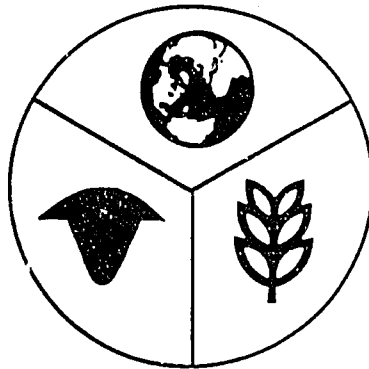


Global Nondegree Training Opportunities In Agriculture

June 1991



Editors:
Susan Elrod
Michael Wallace

WINROCK INTERNATIONAL
Route 3, Box 376, Morrilton, Arkansas 72110-9537

Issued June 1991

This directory has been compiled by Winrock International as a resource for implementing its activities in agricultural and rural development. The information describing the courses was provided by the sponsoring institutions and is believed to be accurate at the time of publication.

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A WORD TO THE USER

The information in this compilation of global nondegree training opportunities in agriculture and associated fields is believed to be accurate and complete. However, precise planning should be based on original course brochures or direct communication with the offering agencies. Courses are occasionally cancelled, beginning dates altered, venues modified, contact persons changed, and costs increased. Current information can be obtained directly from the offerors.

Courses have been listed by beginning date. Complete information is given for courses offered on request and courses beginning on or after January 1, 1991. Brief information is given for courses beginning on or before December 31, 1990. Courses which are offered on request are listed with a beginning date of 00/00/00. Our international users are reminded that dates are listed as month/date/year. Keywords have been chosen to indicate the subjects of most importance, and are used to compile the index. A list of keywords and abbreviations follows these remarks.

Each course has an identification number to facilitate finding it in the directory. When known, names of contact persons are provided. Course locations are noted because training venues may differ from those of the offering organizations. A list of agencies and their course numbers follows the keyword list. We encourage users to bring errors and changes to our attention.

This listing is computerized, and we can sort and compile information according to any of the categories used in each entry. If you have special needs in this regard, let us know:

Training Unit	Phone	501-727-5435
Winrock International	Fax	501-727-5242
Route 3	Telex	910-720-6616 WI HQ UD
Morrilton, Arkansas 72110		
USA		

This directory is distributed through Winrock's Agribookstore:

Winrock International	Phone	703-525-9430
Agribookstore	Fax	703-525-1744
1611 North Kent Street		
Arlington, VA 22209-2134		
USA		

Many Winrock staff have contributed to the production of this directory. Will Getz initiated the directory in 1986. Mark Turpin developed and refined the directory's computer program. Joyce Olds designed the title page, and Rhonda Newsom originated the format for the course listings.

Many users have, through their comments, helped to improve this directory. Your comments are appreciated.

Susan Elrod
Michael Wallace
Editors

KEYWORDS

KEYWORDS

ACCOUNTING
ADMINISTRATION
AGRIBUSINESS
AGRICULTURE
AGROFORESTRY
AGRONOMY
ANALYSIS
ANIMAL POWER
ANIMAL PRODUCTION
ANIMAL SCIENCE
AQUACULTURE
ASSESSMENT

BEEKEEPING
BREEDING
BUSINESS

CATAJOG
CATTLE
COMMUNICATION
COMPUTER
CONSERVATION
COOPERATIVE
CREDIT
CULTURE

DAIRY
DATA
DESIGN
DEVELOPMENT
DISEASE

ECOLOGY
ECONOMICS
EDUCATION
ENGINEERING
ENGLISH
ENTERPRISE
ENTOMOLOGY
ENVIRONMENT
EQUIPMENT
EVALUATION
EXTENSION

FEED
FERTILIZER
FINANCE
FIRE
FISH
FOOD PRODUCTION
FOOD SCIENCE
FORAGE
FORESTRY
FRUIT
FUELWOOD

GENDER
GENETIC
GEOGRAPHY
GOATS
GRAIN

HORTICULTURE
HUMAN RESOURCES
HYDROLOGY

INFORMATION
IRRIGATION

LABOR
LAND USE
LANGUAGE
LEADERSHIP
LIVESTOCK

MAIZE
MANAGEMENT
MAPPING
MARINE
MARKETING
MONITORING

NATURAL RESOURCES
NUTRITION

ORGANIZATION

PASTURE
PERISHABLE
PERSONNEL
PEST
PLANNING
PLANT PROTECTION
PLANT SCIENCE
POLICY
POSTHARVEST
POULTRY
PRODUCTION
PROGRAM
PROJECT

REMOTE SENSING
RESEARCH
RHIZOBIUM
RICE
RUMINANT
RURAL

SEED
SHEEP
SOIL
STATISTICS
STORAGE
SURVEY
SUSTAINABLE
SWINE
SYSTEMS

TISSUE
TOUR
TRAINING
TROPICAL

VEGETABLE
VETERINARY
VIDEO

WASTE
WATER
WATER MANAGEMENT
WATER TREATMENT
WEED
WILDLIFE
WOMEN

ABBREVIATIONS

A = ARABIC
E = ENGLISH
F = FRENCH

O = OTHER
P = PORTUGUESE
S = SPANISH

TRANS = TRANSLATION
AVAILABLE

AGENCY LIST

AGENCY LIST

AGRIDEC - Agricultural Development Consultants, Inc.	152												
ANUTECH Pty Ltd.	336												
Academy for Educational Development	438												
Agricultural Cooperative Development International	346	542	690										
Agricultural Research Institute	865												
Agricultural Technical Institute	800												
Agricultural University Wageningen	831												
American Breeders Service	150												
American Graduate School of International Management	796												
American Management Association	32												
American Water Foundation	901												
Aprovecho Institute	422	536											
Arizona-Sonora Field School	834	849	869	898	922	941	963						
Asian Institute of Technology	13	212	230	242	255	256	293	314	337	370			
	387	396	512	513	538	606	657	665	666	668	749	760	772
	775	847	859	866	867	885	903	911	927	928	960	983	
Auburn University	531	741											
Australian National University	14	907	1028										
Banff Centre	1026	1049											
Bermuda Biological Station for Research, Inc.	380	423	447	474	478	508	583	595					
California State Polytechnic University	8	9	10	383	411	412	431	440	463				
	499	530	540	549	573	586	596	597	603	863	897	921	924
Central State University	581	591											
Centre for Environmental Management and Planning	503												
Clark Atlanta University	871	872	880	925	994	1006							
Colorado State University	25	384	389	428	429	459	460	492	493	494			
	515	550	562	593	613	614	623	662	777	923	926	1030	
Colorado State University - Conference Services	268	275	393	420	462	548	584	588					
	594	598											
Colorado State University-CIIM	2	3	4	12	39	49	50	68	99				
	241	266	333	409	491	568	621						
Colorado State University-ICARD	482	497	624	642	672	798	879	887	894				
	920	958	982	1005									
Colorado State University-ISFNR	433	461	615	716									
Commonwealth Agricultural Bureaux International	6	7	320										
Consortium for International Development	804												
Cornell University	182	401	471	546	547	636	637	701	873	877	910		
	947												

Council Headquarters	266											
Coverdale Organization, Inc.	841											
Cranfield School of Management	711											
Custed	768											
Dairy Training Centre-Friesland	214	334										
Dev. Training and Communications Planning/United Nations	962					819	833	844	868	904	930	
Duke University	72	73	91	92	93	94	95	649	651	722	731	
	735	757	763	765								
EF International Language Schools	143											
ETC Foundation	988											
Economics Institute	619											
Forest Engineering Incorporated	563											
German Foundation for International Development						236	273	365	395	454	470	507
	605	656	678	728	799							
Graduate School, USDA	74	189	233	234	235	245	252	253	289	304		
	342	348	349	350	367	369	405	408	425	426	430	570
	639	647	681									617
Harvard Business School	813											
Heifer Project International	392	410	935	939	940							
Howell Living History Farm	752											
IFIS, LTD.	302											
Ian Macdonald and Associates Ltd. - Brighton Polytechnic						397						
Imperial College at Silwood Park	97											
Institute for Sustainable Agriculture	770											
Institute of Development Studies	193	341	797									
Instituto Mexicano de Tecnologia del Agua	257											
Inter-American Institute for Cooperation on Agriculture	31											
Intercultural Communication Institute	443	444										
Intermediate Technology Development Group	331											
International Agricultural Centre	158	163	164	166	167	169	170	171	173			
	174	175	184	186	190	195	196	201	204	219	220	221
	319	421	464									222
International Center for Agricultural Research in the Dry Areas	146											
International Center for Living Aquatic Resources Management	1	141										
International Centre for Advanced Mediterranean Agronomic Studies						192	218	243	283	284		
	307	667	759	776	828	838	967	969	990			
International Council for Research in Agroforestry	239	246	263	339	375	574	726					
	732	761										
International Crops Research Institute for the Semi-Arid Tropics	148	149	692	693	694	695						

International Fertilizer Development Center 32C 402 602 602	168	187	188	202	211	231	247	267		
International Institute for Aerospace Survey and Earth Sciences			5							
International Institute of Tropical Agriculture 1007 1032	814	827	837	843	912	942	987	1001		
International Labor Statistics Program Center	34									
International Laboratory for Research on Animal Diseases			850	961	963					
International Livestock Centre for Africa 675 739	248	260	335	354	355	467	577	652		
International Marketing Institute	509									
International Rice Research Institute 773 774	225	226	227	228	345	436	437	682	758	
International Statistical Program Center	854	855	856	896						
International Training Center	159									
Iowa State University	172	215	608	852						
James Cook University of North Queensland	1027									
Kansas State University 96 296 417	15 543	16 609	17 669	18 723	19 809	20 932	21	22	23	24
Kasetsart University	352	587								
Land Between the Lakes	54									
Land O'Lakes 860 881 936	155 936	249 980	271	285	298	338	364	442	578	654 387
Larenstein International Agricultural College	259	361	362	363						
Louis Berger Int'l Inc. Water and Power Consultancy Services, Ltd.	805									
Louisiana State University 134 135 136	124 137	125 138	126 139	127	128	129	130	131	132	133
Maize Research Institute	840									
Management Training and Development Institute		356	390	391	394	534	653			
Mananga Agricultural Management Centre 848 985 996	262	332	399	640	705	709	751	754		
Massachusetts Institute of Technology	374	407	495	496	572					
Mediterranean Agronomic Institute	145									
Michigan State University	98	272	793							
Ministry of Agriculture	261									
Mississippi State University	929									
NFTA	280									
National Career Workshop	46									
National Training Laboratory	403									
National Water Well Association 449 555 556 561	229 625	237 626	244 673	250 677	258 680	308 704	359 718	368 734	448 742	

750	771	783											
Natural Resource Institute	123												
New Mexico State University	528	646	650	676	900	933							
NIFTAL Project	205												
North American Dairy Sheep Association	360												
North Carolina Agricultural & Technical State University	618												
Northern Illinois University	631	915											
Ohio State University	35	191	500	789									
Oklahoma State University	906												
Oregon State University	55	56	57	58	59	60	61	62	63	64			
65	66	104	105	106	107	108	109	110	111	112	113	114	
115	116	117	372	450	452	475	476	477	479	484	485	576	
698	733	780	808	914	918	944	995	1002	1050				
Otley College	40												
Overseas Development Group	845	884	886										
Padgett-Thompson	33												
Pakistan Institute of Management	140	807	810	817	818	820	822	823	826				
829	832	836	857	858	864	875	882	892					
Plunkett Foundation for Cooperative Studies	803												
Prairie View A & M University	945												
Queensland Department of Primary Industries	165	199	200	210	213								
REDP/ESCAP	778												
Regional Center for Graduate Study and Research in Agriculture	465												
Ridgetown College of Agriculture Technology	630	970											
Rodale Research Center	52												
Royal Institute of Public Administration	36												
Royal Tropical Institute	264												
Rutgers University	821	846											
Santa Clara University	544	545											
Silsoe College	278	291	299	490	607	622	707	710	794	795			
South Dakota State University	238	265	282	294	306	315	318	388	427				
458													
Stanford University	419												
Texas Tech University	664	883											
The Center for Accelerated Learning	748												
The Center for Professional Advancement	279	377	432	435	441	566	638	679					
684	696	706	712	861	899								
The Experiment in International Living	481	660	714	725									
The Pragma Corporation	756												

The School for Field Studies	309	310	311	312	434	537	557	558	559	560
565 571 917										
The University of the West Indies	323	340	353	418	505	553	633	644	686	
689 719 738 740 747										
Thessaloniki International Training Programs	185									
Tillers International	147									
Training Resources Group	554									
U.S. Geological Survey	582									
United States Bureau of the Census	232	240	251	326	327	328	329	376	415	
116 466 501										
United States Department of Agriculture	303	316	321	344	347	379	382	400		
413 446 453 480 488	504	541	551	552	567	585	590	600		
601 610 611 612 627	628	641	643	661	671	674	697	730		
805 842 878 888 895	916	919	934	943	1011	1012	1013	1014		
1015 1016 1017 1018 1019	1020	1021	1022	1023	1024	1029	1033	1034		
1035 1036 1037 1038 1039	1040	1041	1042	1043	1044	1045	1046	1047		
1048										
United States Department of Labor	254	305	386	439	592	699	708	724	753	
889										
University College of North Wales	153									
University for Peace	580	683	715	957						
University of Arkansas	498	659								
University of Arkansas at Little Rock	90									
University of Bradford	26	27	28	297						
University of California	183	292	330	371	404	406	414	424	451	483
721 792 824 853 862	870									
University of Connecticut	905									
University of East Anglia	176	177	178	455	456	457	156	160	161	162
179 180 181 198 206	207	208	209	276	277	300	301	510		
511 529 702 978 981										
University of Florida	381	663	825	902	989					
University of Georgia	784									
University of Hawaii	48	51	67	151	445	486	514	616	634	645
755 835 890 891 908										
University of Idaho	589	320	909							
University of Illinois	274	535	604	655	874	913	979			
University of Illinois-INTSOY	648									
University of Illinois-IWRA	670									
University of London	47	802	893	1051						
University of Manchester	29	30	194	216	269	290	295	717		
University of Michigan	270	324	516	517	518	519	520	521	522	523
524 525 526 527										
University of Minnesota	931									

University of Missouri	575																			
University of Nebraska-Lincoln	569																			
University of Oxford	473	55J																		
University of Queensland	157																			
University of Reading	469	472	703	790	851															
University of Saskatchewan	700																			
University of Sussex	217	801	1008																	
University of Tennessee	506																			
University of Twente	281	691																		
University of Wisconsin-Madison	11	144	288	343	351	532	533	564	599											
658	685	713	720	727	729	736	737	743	744	745	746	762								
764	766	769	779	781	782	786	787	788	791	811	812	815								
816	839	937	1004	1009																
University of Wisconsin-River Falls	142																			
University of Wyoming	118	119	120	121	122	385														
University of Zimbabwe	830	1025																		
University of the Philippines	37	38	75	76	77	78	79	80	81	82										
83	84	85	86	87	89	635	785	938	946	950	951	952								
953	954	955	956	959	964	965	966	971	972	973	974	975								
976	977	984	991	992	993	979	998	999	1000	1003	1052									
Utah State University	53	69	70	71	101	102	197	203	223	224										
286	287	325	357	358	378	468	579	629	632	688	767	949								
VITA	103	317																		
Washington State University	100	398	487	876																
Winrock International	313	373	489																	
Wolverhampton Polytechnic	154	986																		
World Center for Development and Training			41	42	43	44	45	948	1010	1031										
Xavier University	88																			

MASTER INDEX

MASTER INDEX

ACCOUNTING

- | | | | |
|-----|----------|-----|---|
| 342 | 08-26-91 | USA | Financial Management |
| 639 | 05-28-91 | USA | Performance Auditing |
| 980 | 04-15-90 | USA | Managerial Accounting for Non-Accountants |

ADMINISTRATION

- | | | | |
|-----|----------|-----|--|
| 270 | 10-06-91 | USA | Forest Administration and Management - 8th International Seminar |
| 274 | 10-03-91 | USA | Improving Organ. & Mgmt.: a Short Course for Extension Admin. |
| 344 | 08-26-91 | USA | Small Farmer Credit Policy and Administration (140-8) |
| 540 | 06-24-91 | USA | Strategic Management Workshop |

AGRIBUSINESS

- | | | | |
|-----|----------|---------------|---|
| 364 | 08-22-91 | USA | Introduction to Midwest Agriculture |
| 535 | 06-30-91 | USA | Use of Futures and Speculative Markets in Int'l Commodity Trading |
| 543 | 06-24-91 | USA | Agroindustrial Project Analysis (140-4) |
| 544 | 06-24-91 | USA | Agribusiness Management |
| 545 | 06-24-91 | USA | Summer Agribusiness Management Program |
| 551 | 06-24-91 | USA | Agroindustrial Project Analysis |
| 604 | 06-09-91 | USA | Market Management and Strategic Planning for Agribusiness |
| 642 | 05-27-91 | USA | Agribusiness Management for Developing Countries |
| 655 | 05-19-91 | USA | Current Policy and Trade Issues in Agricultural Commodities |
| 687 | 05-05-91 | USA | Agribusiness Management |
| 719 | 04-15-91 | North America | Dev. & Mgmt. of Small & Medium-Sized Enterprise in the Caribbean |
| 303 | 00-00-91 | Europe | Development and Management of Farmers' Co-Operatives |
| 936 | 05-21-90 | USA | Applied Computer Techniques |

AGRICULTURE

- | | | | |
|------|----------|---------------|--|
| 162 | 09-15-92 | Europe | On Farm Trials Techniques |
| 179 | 07-00-92 | Europe | Agricultural Planning |
| 185 | 06-11-92 | Europe | Methods and Management of Practical Agricultural Training |
| 191 | 05-12-92 | USA | Agricultural and Extension Education: Preparing for the 21st Century |
| 205 | 03-02-92 | Asia | Applied Legume BNF Technology for Extension Specialists |
| 219 | 01-13-92 | Netherlands | Development-Oriented Research in Agriculture |
| 259 | 10-21-91 | Europe | Women, Extension Workers and Agriculture |
| 284 | 09-30-91 | Europe | Marketing of Agricultural and Food Products (Advanced) |
| 320 | 09-09-91 | Europe | Information on Agriculture |
| 321 | 09-09-91 | USA | Agricultural Policy Seminar |
| 322 | 09-09-91 | USA | Policy Issues Affecting Fertilizer Sector Dev. & Sustainable Agri. |
| 417 | 08-05-91 | USA | Int'l Agri. Extension: Principles, Practices & Comparisons |
| 502 | 07-08-91 | USA | Agroeconomic Evaluation for Development of Fertilizer |
| 504 | 07-07-91 | USA | Summer Institute for African Agricultural Research |
| 552 | 06-24-91 | USA | Microcomputer Applications in Agricultural Development |
| 624 | 06-03-91 | USA | Developing Markets for Agricultural Products |
| 635 | 06-00-91 | Asia | Diploma in Agriculture |
| 655 | 05-19-91 | USA | Current Policy and Trade Issues in Agricultural Commodities |
| 665 | 05-13-91 | Asia | Management of Rainfed Agriculture (AWR 04) |
| 705 | 04-22-91 | Africa | Agricultural Marketing |
| 710 | 04-22-91 | Europe | Microcomputer Applications in Agricultural Management |
| 740 | 03-24-91 | North America | Solar Drying in Agriculture |
| 767 | 02-17-91 | USA | Potential Crop Production From Irrigated and Dryland Agriculture |
| 1022 | 02-05-90 | USA | Farm Law |

AGROFORESTRY

- | | | | |
|-----|----------|-------------|---|
| 157 | 11-02-92 | Australia | Fodder Tree Legumes - Multipurpose Species for Agriculture |
| 162 | 09-15-92 | Europe | On Farm Trials Techniques |
| 163 | 08-31-92 | Netherlands | The Design of Community Forestry |
| 239 | 11-12-91 | Africa | Agroforestry Field Experimental Methods |
| 246 | 11-04-91 | Africa | Teaching Methods and Curriculum Development in Agroforestry |
| 263 | 10-14-91 | Africa | Agroforestry Research for Development |
| 280 | 10-00-91 | Africa | The Use of Nitrogen Fixing Trees for Animal Production in the Tropics |
| 301 | 09-17-91 | Europe | On Farm Trial Techniques |
| 339 | 09-02-91 | Africa | Socio-Economic Evaluation Methods in Agroforestry |
| 375 | 08-19-91 | Africa | Teaching Materials in Agroforestry |
| 379 | 08-18-91 | USA | 2nd Conference on Agroforestry in North America |
| 445 | 07-17-91 | USA | Production and use of Nitrogen Fixing Trees on Small Farms |
| 453 | 07-15-91 | USA | Tree Establishment in Arid Areas for Fuelwood and Conservation |
| 510 | 07-02-91 | Europe | Tropical Agroforestry |

574	06-17-91	Africa	Regional Conference on Agroforestry Research
587	06-10-91	Asia	Community Forestry
622	06-03-91	Europe	Agroforestry Systems
630	06-02-91	Canada	Windbreaks and Agroforestry - 2nd International Symposium
661	05-13-91	USA	Agroforestry and Training (170-5)
671	05-13-91	North America	Agroforestry Extension and Training
683	05-06-91	South America	Agroforestry: Sustainable Land Use for the Humid Tropics
726	04-08-91	Africa	Computerized Data Handling for Agroforestry Experiments
732	04-00-91	Africa	Agroforestry Information Management
761	03-04-91	Africa	Mycorrhizae/Rhizobium in Agroforestry
831	10-07-90	Europe	Introduction to Ergonomics
918	06-13-90	USA	Agroforestry
922	06-11-90	USA	Community Forestry
941	05-15-90	USA	Tree Nursery Management
944	05-14-90	USA	Regeneration and Stand Management
988	03-26-90	Europe	Principles of Sustainable Agriculture

AGRONOMY

172	07-14-92	USA	International Crop Science Congress
183	06-22-92	USA	Plant Genetic Resource Conservation
196	04-08-92	Netherlands	Seed Production and Seed Technology
201	03-24-92	Netherlands	Plant Protection (With Emphasis on IPM)
204	03-15-92	Netherlands	Applied Plant Breeding
226	00-00-92	Asia	Upland Rice Production (RP)
307	09-16-91	Europe	New Biometrical Tools for Plant Variety Evaluation
354	03-26-91	Africa	Evaluation and Production of Forage Crops
355	08-26-91	Africa	Forage Crop Seed Production
437	07-22-91	Asia	International Network on Sustainable Rice Farming Systems
464	07-15-91	Netherlands	International Course on Plant Variety Research
484	07-08-91	USA	Weed Management Strategies
485	07-08-91	In-Country	Weed Management
507	07-01-91	Europe	Seed Technology: Organization and Management of Seed Programs
616	06-03-91	Asia	Modern Methods for the Study of Rhizobium
634	06-01-91	Asia	Legume Rhizobium Technology
693	05-00-91	India	Production Agronomy
694	05-00-91	India	Legumes Improvement
695	05-00-91	India	Cereals Improvement
707	04-22-91	Europe	Agricultural Water Management
758	03-04-91	Asia	Rice Production (RP)
773	02-04-91	Asia	Genetic Evaluation and Utilization
828	10-15-90	Europe	Plant Breeding
939	05-20-90	USA	Permaculture
1005	03-05-90	USA	Tissue Culture Technologies and Laboratory Practices

ANALYSIS

177	07-00-92	Europe	Agricultural Policy Analysis
187	06-08-92	USA	Data Collection, Analysis and Projections for Fertilizer
242	11-11-91	Asia	Business Intelligence: Organization's Growth and Survival (MI 08)
247	11-04-91	USA	Financial, Econ. & Environ. Impact Analysis for Fertilizer Sector Proj.
297	09-23-91	Europe	Planning and Appraisal of Agro-Industrial Projects
314	09-09-91	Asia	Hydrometeorological Measurements and Data Analysis Techniques
326	09-04-91	USA	Sampling and Statistical Methods
335	09-02-91	Africa	Livestock Policy Analysis
349	08-26-91	USA	Project Analysis
366	08-22-91	USA	Int'l Symp. on Soil Testing & Plant Analysis in the Global Comm.
369	08-19-91	USA	Project Analysis Certificate Program
416	08-05-91	USA	Microcomputers for Demographic Analysis
438	07-22-91	USA	Mng. Proj. Cycle: Microcomp. Tools for Proj. Analysis/Implementation
439	07-22-91	USA	Manpower Projections and Analysis for Planning and Development
440	07-22-91	USA	Applied Research: Quantitative Methods
452	07-15-91	USA	Gender Analysis for Development Planning
503	07-07-91	Europe	Annual Seminar on Environmental Assessment and Management
520	07-01-91	USA	Analysis of Survey Data-I
521	07-01-91	USA	Computer Analysis of Survey Data
525	07-01-91	USA	Longitudinal Survey Design and Analysis
526	07-01-91	USA	Event History Design and Analysis
543	06-24-91	USA	Agroindustrial Project Analysis (140-4)
551	06-24-91	USA	Agroindustrial Project Analysis
564	06-18-91	USA	Chemical Detection, Measurement and Monitoring
572	06-17-91	USA	Measuring the Unmeasurable: Non-Market Effects & Pub. Policy Eval.
611	06-03-91	USA	Project Analysis for Agriculture and Rural Development (TC #140-2)
618	06-03-91	USA	Computer-Assisted Analysis of Food and Agricultural Policy

699	04-29-91	USA	Measurement of Wages, Salaries, and Other Compensation
734	03-25-91	USA	Analysis and Design of Aquifer Tests
753	03-11-91	USA	Collection and Analysis of Labor Market Information
798	01-02-91	USA	Project Analysis With Microcomputer Applications
801	01- -91	Europe	Agricultural Policy Analysis for Developing Countries
848	09-03-90	Africa	Agricultural Project Analysis and Management
886	07-16-90	Europe	Agricultural Policy Analysis
889	07-16-90	USA	Measurement of Productivity and Technological Change
911	06-18-90	Asia	Information Systems Analysis and Design
933	05-28-90	USA	Establishing Data Bases and Analytical Systems for Decision Making
934	05-23-90	USA	Agricultural Research Methodology (110-17)
1002	03-12-90	USA	Economics and Problem Solving

ANIMAL POWER

156	04-00-94	Morocco	Donkeys, Mules and Horses in Tropical Agricultural Development
752	03-11-91	USA	Animal Traction-Internship
978	04-15-90	Europe	Draught Animal Technology

ANIMAL PRODUCTION

192	04-27-92	Europe	Animal Reproduction
215	01-17-92	USA	Farm Operations Winter Program
218	01-13-92	Europe	Animal Feeding and Nutrition
280	10-00-91	Africa	The Use of Nitrogen Fixing Trees for Animal Production in the Tropics
283	09-30-91	Europe	Animal Production (Advanced)
362	08-23-91	Europe	Tropical Animal Production
505	07-07-91	North America	Intensive Small Ruminant Production
577	06-17-91	Africa	Rural Dairy Processing
666	05-13-91	Asia	Integrated Farming System Management (AWR 08)
739	03-25-91	Africa	Improving Milk Production in Africa
759	03-04-91	Europe	Carcass and Meat Quality in Ruminants
776	02-04-91	Europe	Goat Production
935	05-23-90	USA	Seventh Institute on Livestock in Development
965	04-30-90	Asia	Dairy Production
968	04-16-90	USA	Production and Management of Small Animals
1050	01-02-90	Asia	Livestock Production

ANIMAL SCIENCE

156	04-00-94	Morocco	Donkeys, Mules and Horses in Tropical Agricultural Development
164	08-24-92	Netherlands	Pig Husbandry
167	08-17-92	Netherlands	Dairy Farming in Rural Development
198	04-06-92	Europe	Recent Advances & Current Concepts in Trop. Vet. Medicine
206	03-00-92	Europe	Cattle Artificial Insemination Course I - Introductory
207	03-00-92	Europe	Cattle Artificial Insem. II-Recent Advances in Reproduction Tech.
208	03-00-92	Europe	An Introduction to Veterinary Data Processing
214	01-20-92	Europe	Dairy Husbandry and Milk Processing
248	11-04-91	Africa	Livestock Research Methods
249	11-02-91	USA	Swine Production
285	09-29-91	USA	Sheep and Goat Production
298	09-22-91	USA	Poultry Production
301	09-17-91	Europe	On Farm Trial Techniques
334	09-02-91	Europe	Dairy Farm Management
578	06-16-91	USA	Dairy Production
635	06-00-91	Asia	Diploma in Agriculture
654	05-19-91	USA	Dairy Processing
659	05-13-91	USA	Intensive Poultry Production Systems (TC #130-9)
752	03-11-91	USA	Animal Traction-Internship
831	10-07-90	Europe	Introduction to Ergonomics
881	07-22-90	USA	Tropical Dairy Production Add-On
955	05-07-90	Asia	Dairy Cattle Health Management
968	04-16-90	USA	Production and Management of Small Animals
978	04-15-90	Europe	Draught Animal Technology
981	04-10-90	Europe	Animal Production and Nutrition
988	03-26-90	Europe	Principles of Sustainable Agriculture
1036	01-08-90	USA	Sheep Management and Production

AQUACULTURE

645	05-26-91	USA	Economic Analysis of Aquaculture Systems
657	05-15-91	Asia	Aquaculture Development and Management - Study Trip (ST 04)
666	05-13-91	Asia	Integrated Farming System Management (AWR 08)
741	03-21-91	USA	Aquaculture Training Program
903	07-02-90	Asia	Low-Cost Aquaculture Development

ASSESSMENT

- | | | | |
|-----|----------|-----|---|
| 189 | 06-01-92 | USA | Environmental Management for International Development |
| 229 | 12-06-91 | USA | Legal Implications of Environmental Property Assessment |
| 429 | 07-29-91 | USA | Risk Assessment Tech. for Resource Mgmt. and Disaster Reduction |
| 593 | 06-10-91 | USA | Building Safety Evaluation and Damage Assessment Methodologies |
| 677 | 05-10-91 | USA | Environmental Property Assessments |
| 735 | 03-25-91 | USA | Environmental Toxicology and Risk Assessment |
| 771 | 02-06-91 | USA | Environmental Property Assessment (EPRA) |

BEEKEEPING

- | | | | |
|-----|----------|--------|---|
| 479 | 07-09-91 | USA | Biology of the Honey Bee |
| 986 | 04-00-90 | Europe | Train the Trainers Course on Beekeeping |
| 99P | 03-19-90 | Asia | Beekeeping for Beginners |

BREEDING

- | | | | |
|-----|----------|-------------|---|
| 204 | 03-15-92 | Netherlands | Applied Plant Breeding |
| 206 | 03-00-92 | Europe | Cattle Artificial Insemination Course I - Introductory |
| 218 | 02-03-92 | Australia | Artificial Insemination and Breeding Management for the Tropics |
| 307 | 09-16-91 | Europe | New Biometrical Tools for Plant Variety Evaluation |
| 773 | 02-04-91 | Asia | Genetic Evaluation and Utilization |
| 776 | 02-04-91 | Europe | Goat Production |
| 828 | 10-15-90 | Europe | Plant Breeding |
| 950 | 05-07-90 | Asia | Swine Production |
| 954 | 05-07-90 | Asia | Artificial Insemination and Pregnancy Diagnosis in Cattle |
| 964 | 04-30-90 | Asia | Smallholder Beef Cattle Production |

BUSINESS

- | | | | |
|------|----------|---------------|---|
| 235 | 11-25-91 | USA | Private Sector Development |
| 242 | 11-11-91 | Asia | Business Intelligence: Organization's Growth and Survival (MI 08) |
| 299 | 09-20-91 | Europe | Food Processing as a Small Business |
| 323 | 09-09-91 | North America | Resp. & Functions of Board Members of Commodity/Organ. |
| 346 | 08-26-91 | USA | Small Farmer Credit Policy and Administration (TC 140-8) |
| 463 | 07-15-91 | USA | New Venture Creation |
| 486 | 07-08-91 | USA | Starting and Managing a Business in Your Community (For Women) |
| 534 | 06-30-91 | USA | Entrepreneurship for Development |
| 711 | 04-21-91 | Europe | Developing Income Generating Enterprise |
| 866 | 08-06-90 | Asia | Small Business Management (MI 10) |
| 1015 | 02-05-90 | USA | Elements of Public Speaking |
| 1023 | 02-05-90 | USA | Rural Economic Issues |
| 1041 | 01-06-90 | USA | Community Leadership |
| 1049 | 01-07-90 | Canada | Community Leadership |

CATALOG

- | | | | |
|------|----------|---------|--|
| 533 | 07-00-91 | USA | Engineering Professional Development Update |
| 796 | 01-03-91 | USA | Thunderbird Winterim |
| 805 | 00-00-91 | VARIOUS | Int'l Short Courses, Workshops and Conferences on Irrigation Mgmt. |
| 1052 | 00-00-90 | Asia | Schedule of Short Courses |

CATTLE

- | | | | |
|------|----------|-----------|--|
| 200 | 03-26-92 | Australia | Feeding and Production of Dairy Cattle in the Tropics |
| 206 | 03-00-92 | Europe | Cattle Artificial Insemination Course I - Introductory |
| 207 | 03-00-92 | Europe | Cattle Artificial Insem. II-Recent Advances in Reproductive Tech. |
| 334 | 09-02-91 | Europe | Dairy Farm Management |
| 577 | 06-17-91 | Africa | Rural Dairy Processing |
| 739 | 03-25-91 | Africa | Improving Milk Production in Africa |
| 759 | 03-04-91 | Europe | Carcass and Meat Quality in Ruminants |
| 850 | 09-03-90 | Africa | Prep. of Reagents for Use in Diag. of Haemoprotozoan Cattle Diseases |
| 954 | 05-07-90 | Asia | Artificial Insemination and Pregnancy Diagnosis in Cattle |
| 955 | 05-07-90 | Asia | Dairy Cattle Health Management |
| 1018 | 02-05-90 | USA | Dairy Herd Management |
| 1019 | 02-05-90 | USA | Genetic Improvement of Dairy Cattle |
| 1047 | 01-08-90 | USA | Beef and Swine Breeding |

COMMUNICATION

- | | | | |
|-----|----------|-----|--|
| 338 | 09-02-91 | USA | Rural Extension Techniques |
| 359 | 08-23-91 | USA | Technical Writing Course |
| 412 | 08-05-91 | USA | Non-Formal Education, Literacy and Communication |
| 443 | 07-18-91 | USA | Intercultural Communications Workshops |
| 444 | 07-18-91 | USA | Communication Workshop - Session I of III |
| 471 | 07-10-91 | USA | Communication Planning and Strategy |
| 495 | 07-08-91 | USA | Enhancing the Tools of Personal Communication |

546	06-24-91	USA	Communication for Social Change
547	06-24-91	USA	Video Communication (II)
573	06-17-91	USA	Inter-Cultr'l Comm.: Cultr'l Factors in Working with Americans
585	06-10-91	USA	Communications & Media Strategies for Agri. and Rural Dev.
636	05-30-91	USA	Video Communication (I)
637	05-30-91	USA	Participatory Research and Communication for Development
644	05-27-91	North America	Communication Skills for Commodity Extension Workers
653	05-19-91	USA	Management-Communication for Development
725	04-08-91	USA	Human Resource Management
785	01-16-91	Asia	International Course for Rural Extension Trainers
810	12-08-90	Pakistan	Effective Communication Skills
833	10-01-90	Asia	Production Techniques for Extension Audio-Visual Aids
864	08-11-90	Pakistan	Improving Your Personal Effectiveness
871	08-06-90	USA	Trainers of Trainers in Management Seminar (ALT90-3003)
877	07-31-90	USA	Participatory Approaches to Action Research
910	06-25-90	USA	Video Production II, Training and Development Applications
930	06-04-90	Asia	Communication Campaign Planning
938	05-21-90	Asia	Sound-Slide Production
962	04-30-90	Asia	Production Techniques for Instructional Audio-Visual Aids
970	04-16-90	USA	Managing Training and Development in the 1990's
991	03-26-90	Asia	Extension Publications Production
992	03-26-90	Asia	Basic Photography
1008	02-19-90	Europe	Effective Communication of Research Findings
1015	02-05-90	USA	Elements of Public Speaking

COMPUTER

168	08-10-92	USA	Computer Simulation for Crop Growth and Nutrient Management
208	03-00-92	Europe	An Introduction to Veterinary Data Processing
215	01-17-92	USA	Farm Operations Winter Program
223	01-05-92	USA	Applied Microcomputer Use in Irrigation and Drainage
224	01-05-92	USA	Computer-Assisted Irrigation System Management
228	00-00-92	Asia	Statistical Procedures & Computer Appl. in Agri. Research
230	12-02-91	Asia	Asian School on Computer Science (ED 06)
232	12-02-91	USA	Introduction to Microcomputers for Statisticians
234	11-25-91	USA	Advanced Computer Software Operations
238	11-12-91	USA	Raster Geographic Information Systems for the Microcomputer
253	10-21-91	USA	Principles of Management Information Systems (MIS)
268	10-07-91	USA	Advanced Topics in Map Analysis With GIS
275	10-02-91	USA	Introduction to GIS
282	09-30-91	USA	Remote Sensing in Land Use Studies
287	09-29-91	USA	Operation, Maintenance & Mgmt. of Irrigation Delivery Systems
294	09-23-91	USA	Introduction to Geographic Information Systems (GIS)
306	09-16-91	USA	The Basics of Digital Image Processing
308	09-16-91	USA	IBM PC Applications in Ground Water Pollution and Hydrology
314	09-09-91	Asia	Hydrometeorological Measurements and Data Analysis Techniques
315	09-09-91	USA	Basic Remote Sensing and Image Interpretation
318	09-09-91	USA	Tools and Techniques for Natural Resource Evaluations
320	09-09-91	Europe	Information on Agriculture
328	09-04-91	USA	Computer Processing and Information Systems
342	08-26-91	USA	Financial Management
348	08-26-91	USA	Computer Applications in Management
350	08-26-91	USA	Computer Assembly (Build Your Own Computer)
356	08-25-91	USA	Managing Development With Microcomputers
372	08-19-91	USA	Computer Applications for Agri. & Natural Resource Mgmt.
381	08-13-91	USA	Computer Simulation of Crop Growth and Management Responses
384	08-12-91	USA	Design of Detention Reservoirs and Small Dams (IICE #9002)
388	08-12-91	USA	PC ARC/INFO - Introduction (a Course Certified by ESRI)
398	08-06-91	USA	Microcomputer Applications in Resource and Pest Management
405	08-05-91	USA	Management Information Systems (MIS) Certificate Program
411	08-05-91	USA	Statistics and Micro-Computers
415	08-05-91	USA	Conducting an Economic Census: a Case Study
416	08-05-91	USA	Microcomputers for Demographic Analysis
427	07-29-91	USA	GIS Appl. of Census Data for Redistricting & Demo. Analyses
438	07-22-91	USA	Mng. Proj. Cycle: Microcomp. Tools for Proj. Analysis & Impl.
456	07-15-91	Europe	Microcomputing & Info. Tech. for Planning & Development
457	07-15-91	Europe	Microcomputing Applications in Monitoring & Evaluation
458	07-15-91	USA	Basics of Geographic Information Systems for Developing Countries
466	07-15-91	USA	Automated Cartography for Censuses and Surveys
467	07-15-91	Africa	Management of Agricultural Information
469	07-11-91	Europe	Statistics in Agriculture
472	07-10-91	Europe	Statistics for Livestock Studies
490	07-08-91	Europe	Computerized Land Information Systems

501	07-08-91	USA	Integrated Microcomputer Processing System
513	07-01-91	Asia	Microcomputer Applications in Water Management (AWR 03)
515	07-01-91	USA	Microcomputer Appl. in Irrig. Data & Project Mgmt.
521	07-01-91	USA	Computer Analysis of Survey Data
530	07-01-91	USA	Robotics
548	06-24-91	USA	GRASS for Resource Analysis
552	06-24-91	USA	Microcomputer Applications in Agricultural Development
566	06-18-91	USA	Modern Methods for Managing Multiple Small Projects
584	06-11-91	USA	GIS Technology in Resource and Environmental Management
613	06-03-91	USA	Computer Simulation and Design of Water Distribution Systems
615	06-03-91	USA	Watershed & Soil Conserv. Survey & Planning Using Microcomp.
617	06-03-91	USA	Computer Programmer Training
618	06-03-91	USA	Computer-Assisted Analysis of Food and Agricultural Policy
668	05-13-91	Asia	Computer Applications in Training and Education (ED 05)
710	04-22-91	Europe	Microcomputer Applications in Agricultural Management
724	04-08-91	USA	Computer Packages for Users of Labor Statistics
726	04-08-91	Africa	Computerized Data Handling for Agroforestry Experiments
737	03-25-91	USA	Applying Computer Programming to Unsteady Stream Flow
742	03-21-91	USA	Introduction to Ground Water Modeling
751	03-11-91	Africa	Computers in Management
763	02-25-91	USA	Mathematical Modeling of Lake and Reservoir Water Quality
777	02-04-91	USA	Water Resources Analysis Using GIS
798	01-02-91	USA	Project Analysis With Microcomputer Applications
802	01- -91	Europe	Managing Rural Dev. - Information Systems, Monitoring and Eval.
808	12-17-90	USA	Computer Appl. for Agri. & Natural Res. Mgmt.
816	11-12-90	USA	Water Treatment Plant Design
845	09-10-90	Europe	Microcomputing Applications in Monitoring and Evaluation
854	08-26-90	USA	Computer Processing and Information Systems
855	08-26-90	USA	Survey and Census Methods
884	07-16-90	Europe	Microcomputing & Info. Tech. for Planning & Dev. Professionals
886	07-16-90	Europe	Agricultural Policy Analysis
887	07-16-90	USA	Applied Watershed Modeling
893	07-10-90	Europe	Microcomputers for Agricultural Development
894	07-09-90	USA	Technical Forest Management and Economics
896	07-09-90	USA	Integrated Microcomputer Processing System (IMPS)
900	07-09-90	USA	Small Scale Irrigation System Design and Operation
905	07-02-90	USA	Development Project Management Workshop
906	06-25-90	USA	Microcomputer Applications in Agricultural Development (140-35)
911	06-18-90	Asia	Information Systems Analysis and Design
913	06-18-90	USA	Women, Public Policy & Dev.: Utilizing Microcomputer Databases
921	06-11-90	USA	Development Management Workshop
936	05-21-90	USA	Applied Computer Techniques
1037	01-08-90	USA	Advanced Microcomputers for Farmers

CONSERVATION

312	09-10-91	Mexico	Marine Mammal Biology and Conservation
325	09-04-91	USA	Soil Conserv. & Mgmt. Study Tour of U.S. Mid-Western States
378	08-18-91	USA	Soil and Water Conservation and Management
379	08-18-91	USA	2nd Conference on Agroforestry in North America
453	07-15-91	USA	Tree Establishment in Arid Areas for Fuelwood and Conservation
487	07-08-91	USA	Conservation Biology
531	07-01-91	USA	Soil Testing, Soil Fertility Management and Conservation
615	06-03-91	USA	Watershed & Soil Conserv. Survey & Planning Using Microcomp.
630	06-02-91	Canada	Windbreaks and Agroforestry - 2nd International Symposium
730	04-01-91	USA	Windbreak Technology
887	07-16-90	USA	Applied Watershed Modeling
916	06-18-90	USA	Tenure and Management of Natural Resources in Sub-Saharan Africa
1043	01-08-90	USA	Soil and Water Conservation

COOPERATIVE

351	08-26-91	USA	Cooperative Development and Management Seminar
542	06-24-91	USA	Cooperative Executive Development
687	05-05-91	USA	Agribusiness Management

CREDIT

332	09-02-91	Africa	Rural Credit Management
344	08-26-91	USA	Small Farmer Credit Policy and Administration (140-8)
346	08-26-91	USA	Small Farmer Credit Policy and Administration (TC 140-8)
690	05-01-91	USA	Managing Rural Banks and Credit Institutions

CULTURE

194	04-27-92	Europe	Cross-Cultural Management Program
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496	07-08-91	USA	Bldg Communities That Work: The Link Between Culture & Power
573	06-17-91	USA	Inter-Cultural Comm.: Cultural Factors in Working with Americans
608	06-04-91	USA	Intensive English and Orientation Program
821	10-30-90	USA	Program in American Language Studies - Evening Program
846	09-04-90	USA	Program in American Language Studies - Daytime Program
948	05-11-90	USA	Training of Trainers for Multicultural Groups
1010	02-09-90	USA	Multicultural Management for the 1990's
1031	01-12-90	USA	Consulting Across Cultures

DAIRY

167	08-17-92	Netherlands	Dairy Farming in Rural Development
200	03-26-92	Australia	Feeding and Production of Dairy Cattle in the Tropics
210	02-26-92	Australia	Transferring Tropical Dairy Research and Technology
214	01-20-92	Europe	Dairy Husbandry and Milk Processing
271	10-06-91	USA	Plant Maintenance
334	09-02-91	Europe	Dairy Farm Management
360	08-23-91	USA	Dairy Sheep Symposium
442	07-21-91	USA	Cheese Production
577	06-17-91	Africa	Rural Dairy Processing
578	06-16-91	USA	Dairy Production
654	05-19-91	USA	Dairy Processing
739	03-25-91	Africa	Improving Milk Production in Africa
825	10-22-90	USA	International Goat Production Symposium
881	07-22-90	USA	Tropical Dairy Production Add-On
945	05-14-90	USA	Goat Management Practices
955	05-07-90	Asia	Dairy Cattle Health Management
956	05-07-90	Asia	Dairy Products Manufactured & Home
959	05-04-90	Asia	Feed Evaluation and Formulation for Dairy Animals
965	04-30-90	Asia	Dairy Production
1017	02-05-90	USA	Dairy Product Processing and Quality
1018	02-05-90	USA	Dairy Herd Management
1019	02-05-90	USA	Genetic Improvement of Dairy Cattle
1027	02-01-90	Australia	Tropical Agriculture
1044	01-08-90	USA	Dairy Marketing

DATA

187	06-08-92	USA	Data Collection, Analysis and Projections for Fertilizer
220	01-07-92	Netherlands	Data Handling for Tropical Fisheries Management
242	11-11-91	Asia	Business Intelligence: Organization's Growth and Survival (MI 08)
254	10-21-91	USA	Construction and Analysis of Price Indexes
275	10-02-91	USA	Introduction to GIS
294	09-23-91	USA	Introduction to Geographic Information Systems (GIS)
305	09-16-91	USA	Analysis of Labor Statistics for Policy Form. in the Human Res. Sector
306	09-16-91	USA	The Basics of Digital Image Processing
316	09-09-91	USA	Basic Agricultural Survey Statistics and Methods Course
317	09-09-91	USA	Information Resources Management
326	09-04-91	USA	Sampling and Statistical Methods
329	09-04-91	USA	Survey and Census Methods
386	08-12-91	USA	Use of Economic Data in Collective Bargaining
388	08-12-91	USA	PC ARC/INFO - Introduction (a Course Certified by ESRI)
395	08-08-91	Europe	Epidemiologic & Econ. Invest. in Planning for Animal Health Prog.
427	07-29-91	USA	GIS Appl. of Census Data for Redistricting & Demo. Analyses
439	07-22-91	USA	Manpower Projections and Analysis for Planning and Development
458	07-15-91	USA	Basics of Geographic Information Systems for Developing Countries
469	07-11-91	Europe	Statistics in Agriculture
472	07-10-91	Europe	Statistics for Livestock Studies
521	07-01-91	USA	Computer Analysis of Survey Data
569	06-17-91	USA	Agricultural Statistics Short Course
582	06-11-91	USA	Techniques of Hydrologic Investigations for International Participants
592	06-10-91	USA	Labor Force Characteristics; Measurement of Employment
643	05-27-91	USA	Establishing Data Bases & Analytical Systems for Decisionmaking
726	04-08-91	Africa	Computerized Data Handling for Agroforestry Experiments
753	03-11-91	USA	Collection and Analysis of Labor Market Information
842	09-10-90	USA	Basic Agricultural Survey Statistics and Methods (USDA TC 140-33)
854	08-26-90	USA	Computer Processing and Information Systems
856	08-26-90	USA	Population and Health Management Information Systems
889	07-16-90	USA	Measurement of Productivity and Technological Change
897	07-09-90	USA	Social Research Methods and Evaluation of Programs
925	06-06-90	USA	Trainer of Trainers Seminar (Men) (ALT90-3002)
932	06-04-90	USA	Postharvest Information Management
933	05-28-90	USA	Est. D-Bases & Analytical Systems for Decision Making (TC# 140-10)

DESIGN

- 163 08-31-92 Netherlands The Design of Community Forestry
326 09-04-91 USA Sampling and Statistical Methods
329 09-04-91 USA Survey and Census Methods
377 08-19-91 USA Applied Hydrogenation Technology
428 07-29-91 USA Design of Buildings and Structures for Mitigation of Wind Damage
516 07-01-91 USA Introduction to Statistical Research Design
518 07-01-91 USA Methods of Survey Sampling
519 07-01-91 USA Questionnaire Design
522 07-01-91 USA Design of Evaluation Research
523 07-01-91 USA Design of Telephone and Mail Surveys
525 07-01-91 USA Longitudinal Survey Design and Analysis
526 07-01-91 USA Event History Design and Analysis
568 06-17-91 USA Design and Management of Local Irrigation Organizations
699 04-29-91 USA Measurement of Wages, Salaries, and Other Compensation
734 03-25-91 USA Analysis and Design of Aquifer Tests
772 02-04-91 Asia Planning and Design of Small Scale Irrigation Projects (AWR 01)
900 07-09-90 USA Small Scale Irrigation System Design and Operation
918 06-13-90 USA Agroforestry

DEVELOPMENT

- 181 07-00-92 Europe Long-Term Development Planning
193 04-27-92 Europe Statistics for Development Policy
235 11-25-91 USA Private Sector Development
245 11-04-91 USA Urban Development/Housing Projects
273 10-04-91 Europe Farming Systems Development-9.05/91 TK76-264-91
322 09-09-91 USA Policy Issues Affecting Fertilizer Sector Dev. & Sustainable Agri.
326 09-04-91 USA Sampling and Statistical Methods
341 08-27-91 Europe Bibliographic Information on Development
356 08-25-91 USA Managing Development With Microcomputers
392 08-11-91 USA Eighth Annual Institute on Livestock in Development
399 08-05-91 Africa Senior Managers Program
403 08-05-91 USA Training and Consultation Skills for Int'l Human Resource Dev.
422 08-00-91 USA Sustainable Development for the Third World
473 07-10-91 Europe Development and Employment Management
502 07-08-91 USA Agroeconomic Evaluation for Development of Fertilizer
506 07-07-91 USA Mgmt. for Natural Res. Dev. & Environmental Protection
534 06-30-91 USA Entrepreneurship for Development
539 06-26-91 Europe Rural Development Forestry
549 06-24-91 USA The Role of Women in Development
552 06-24-91 USA Microcomputer Applications in Agricultural Development
585 06-10-91 USA Communications & Media Strategies for Agri. & Rural Dev.
603 06-10-91 USA Rural Development Project Management
640 05-27-91 Africa Management Development Program (PC-48)
641 05-27-91 USA Organization and Management Development (140-14)
653 05-19-91 USA Management-Communication for Development
670 05-13-91 Morocco Water for Sustainable Development in the 21st Century
702 04-26-91 Europe Sustainable Development
703 04-25-91 Europe Women and Agricultural Development
709 04-22-91 Africa Environmental Management in Development
719 04-15-91 North America Dev. & Mgmt. of Small & Medium-Sized Enterprise in the Caribbean
754 03-11-91 Africa Management of Enterprise Development
770 02-10-91 Nepal Developing a Sustainable World
797 01-03-91 Europe Women, Men and Development
829 10-13-90 Pakistan Development Course for Managers
852 08-28-90 USA Bibliographic Information on Development
893 07-10-90 Europe Microcomputers for Agricultural Development
906 06-25-90 USA Microcomputer Applications in Agricultural Development (140-35)
921 06-11-90 USA Development Management Workshop
989 03-26-90 USA Principles of Sustainable Agriculture

DISEASE

- 382 08-12-91 USA Plant Quarantine (130-5)
393 08-11-91 USA Conference of Wildlife Disease Association
401 08-05-91 USA Postharvest Loss Reduction of Perishable Crops(150-7)
404 08-05-91 USA Prod./Maintenance of Virus-Free Prop. Material of Temp. Fruit
420 08-04-91 USA Vertebrate Pest Problems and Solutions in Developing Countries
451 07-15-91 USA Nematology
567 06-17-91 USA Integrated Pest Management (130-8)
827 10-15-90 Africa Cowpea and Soybean Research and Technology Transfer
850 09-03-90 Africa Reagents for Use in Diagnosis of Haemoprotozoan Cattle Diseases
961 04-30-90 Africa Consultation on Trypanosomiasis in Africa

963	04-30-90	Africa	Control of Tick-Borne Diseases, Emphasis on East Coast Fever Immun.
979	04-15-90	USA	Hemotropic Diseases of Food Animals
1024	02-05-90	USA	Prevention and Control of Diseases of Livestock

ECOLOGY

189	06-01-92	USA	Environmental Management for International Development
309	09-10-91	Australia	Biogeography: Patterns of Ecological Diversity
310	09-10-91	Africa	Wildlife Ecology and Management
311	09-10-91	West Indies	Marine Ecology and Management
312	09-10-91	Mexico	Marine Mammal Biology and Conservation
434	07-24-91	South America	Tropical Ecology: The Dynamics of Deforestation (Introduction)
474	07-10-91	North America	Global Environmental Change
503	07-03-91	North America	Zooplankton Ecology
536	06-28-91	Australia	Biogeography: Patterns of Ecological Diversity
559	06-18-91	Costa Rica	Tropical Cloud Forest Ecology
560	06-18-91	Cent. America	Tropical River Ecology
580	06-13-91	South America	Buffer Zone Management for Neotropical Protected Areas
583	06-11-91	North America	Marine Microbial Ecology
907	06-25-90	Australia	Trees of Arid and Semi-Arid Australia
957	05-06-90	South America	Mobile Workshop on Buffer-Zone Mgmt. for Neotrop. Protected Areas
1028	01-29-90	Australia	Trees of Temperate Australia

ECONOMICS

247	11-04-91	USA	Financial, Econ. & Environ. Impact Analysis for Fertilizer Sector Proj.
254	10-21-91	USA	Construction and Analysis of Price Indexes
327	09-04-91	USA	Economic Statistics
339	09-02-91	Africa	Socio-Economic Evaluation Methods in Agroforestry
342	08-26-91	USA	Financial Management
349	08-26-91	USA	Project Analysis
386	08-12-91	USA	Use of Economic Data in Collective Bargaining
415	08-05-91	USA	Conducting an Economic Census: a Case Study
482	07-08-91	USA	Methods of Applied Economic Research
502	07-08-91	USA	Agroeconomic Evaluation for Development of Fertilizer
572	06-17-91	USA	Meas. the Unmeasurable: Non-Market Effects & Public Policy Eval.
645	05-26-91	USA	Economic Analysis of Aquaculture Systems
708	04-22-91	USA	Economic Indicators
798	01-02-91	USA	Project Analysis With Microcomputer Applications
889	07-16-90	USA	Measurement of Productivity and Technological Change
894	07-09-90	USA	Technical Forest Management and Economics
960	04-30-90	Asia	Technology Orientation for Development Managers
969	04-16-90	Europe	Planning, Economics and Management of Fishing - Advanced Seminar
1002	03-12-90	USA	Economics and Problem Solving
1023	02-05-90	USA	Rural Economic Issues
1045	01-08-90	USA	Farm Financial Management

EDUCATION

191	05-12-92	USA	Agricultural and Extension Education: Preparing for the 21st Century
489	07-08-91	USA	Developing, Writing and Marketing Research Proposals
668	05-13-91	Asia	Computer Applications in Training and Education (ED 05)

ENGINEERING

241	11-11-91	USA	Irrigation Systems Rehabilitation
244	11-06-91	USA	Applied Drilling Engineering for Rotary and Auger Methods
256	10-21-91	Asia	Rural Physical Infrastructure Development (RD 03)
385	08-12-91	USA/IC	Automatic Operation of Irrigation Canals
389	08-12-91	USA	Wind and Solar Powered Water Pumping
428	07-29-91	USA	Design of Buildings and Structures for Mitigation of Wind Damage
435	07-23-91	USA	Batch Processing Engineering
441	07-22-91	USA	Basic Principles of Chemical Engineering
459	07-15-91	USA	Engineering for Air Pollution Mitigation
494	07-08-91	USA	Design of Foundations on Expansive and Collapsing Soils
533	07-00-91	USA	Engineering Professional Development Update
581	06-12-91	USA	Hydrometry: a Course in the Measurement of Hydrological Variables
591	06-10-91	USA	Environmental Aspects of Canals and Streams
607	06-05-91	Europe	Agricultural Machinery Management
614	06-03-91	USA	Water Treatment Plant Design
623	06-03-91	USA	Geotechnical Engineering for Waste Disposal
682	05-06-91	Asia	Engineering for Rice Agriculture
685	05-06-91	USA	Practical Pipeline Design and Construction
733	03-27-91	USA	Forest Engineering Institute
744	03-18-91	USA	Liquid Storage Tank Installation
746	03-18-91	USA	Liquid Storage Tank Technology

762	02-25-91	USA	Underground Stor. Tank Mgmt., Leak Detection & Corrective Action
901	07-09-90	USA	Construction Management Practices for Water Resources Facilities
937	05-21-90	USA	The Engineer in Transition to Management
1030	01-20-90	USA	Infrastructure Engineering and Management
1039	01-08-90	USA	Farm Mechanics
1040	01-08-90	USA	Farm Power

ENGLISH

359	08-23-91	USA	Technical Writing Course
570	06-17-91	USA	The American Experience
608	06-04-91	USA	Intensive English and Orientation Program
789	01-07-91	USA	American Language Program
792	01-03-91	USA	Intensive English Program for International Students
793	01-03-91	USA	English Language Center
821	10-30-90	USA	Program in American Language Studies - Evening Program
846	09-04-90	USA	Program in American Language Studies - Daytime Program

ENTERPRISE

235	11-25-91	USA	Private Sector Development
242	11-11-91	Asia	Business Intelligence: Organization's Growth and Survival (MI 08)
346	08-26-91	USA	Small Farmer Credit Policy and Administration (TC 140-8)
463	07-15-91	USA	New Venture Creation
486	07-08-91	USA	Starting and Managing a Business in Your Community (For Women)
534	06-30-91	USA	Entrepreneurship for Development
660	05-13-91	USA	Management of Small Enterprise Development Programs
711	04-21-91	Europe	Developing Income Generating Enterprise
754	03-11-91	Africa	Management of Enterprise Development
803	00-00-91	Europe	Development and Management of Farmers' Co-Operatives
866	08-06-90	Asia	Small Business Management (MI 10)
872	08-06-90	USA	Management Strategies in Enterprises (ALT90-1101)
880	07-23-90	USA	Mgmt. of Agriculture Projects and Services in Rural Dev.
925	06-06-90	USA	Trainer of Trainers Seminar (Men) (ALT90-3002)
994	03-26-90	USA	Trainers of Trainees Seminar (Women) (ALT90-3001)

ENTOMOLOGY

695	05-00-91	India	Cereals Improvement
1013	02-05-90	USA	Farm Insects

ENVIRONMENT

176	07-00-92	Europe	Environmental Management in Developing Countries
189	06-01-92	USA	Environmental Management for International Development
202	03-23-92	USA	Phosphate Fertilizer and the Environment
212	02-03-92	Asia	Toxic and Hazardous Waste Management (EMT 05)
229	12-06-91	USA	Legal Implications of Environmental Property Assessment
247	11-04-91	USA	Financial, Econ. & Environ. Impact Analysis for Fertilizer Sector Proj.
293	09-23-91	Asia	Community Water Supply and Sanitation for Developing Countries
309	09-10-91	Australia	Biogeography: Patterns of Ecological Diversity
370	08-19-91	Asia	Environmental Impact Assessment (EIA) and Review (EMT 01)
374	08-19-91	USA	The Death of Nature: Ideas of Nature and the Environment
383	08-12-91	USA	Environmental Planning and Management
433	07-26-91	USA	Management of Wildlands and Protected Areas
459	07-15-91	USA	Engineering for Air Pollution Mitigation
474	07-10-91	North America	Global Environmental Change
503	07-07-91	Europe	Annual Seminar on Environmental Assessment and Management
506	07-07-91	USA	Mgmt. for Natural Resources Dev. & Environmental Protection
555	06-21-91	USA	Environmental Site Assessments
584	06-11-91	USA	GIS Technology in Resource and Environmental Management
591	06-10-91	USA	Environmental Aspects of Canals and Streams
595	06-10-91	North America	Analysis of Marine Pollution
630	06-02-91	Canada	Windbreaks and Agroforestry - 2nd International Symposium
665	05-13-91	Asia	Management of Rainfed Agriculture (AWR 04)
677	05-10-91	USA	Environmental Property Assessments
691	05-00-91	Europe	Rural Energy Planning and Environment
709	04-22-91	Africa	Environmental Management in Development
713	04-17-91	USA	Managing Your Infectious and Hazardous Wastes
715	04-15-91	South America	Mng. Tropical Natural Forests for Non-Timber Forest Prod. & Environ.
722	04-08-91	USA	Hazardous Waste Management: the Superfund Program
730	04-01-91	USA	Windbreak Technology
735	03-25-91	USA	Environmental Toxicology and Risk Assessment
736	03-25-91	USA	Invest. & Remediation for Sites Contaminated With Hazardous Waste
745	03-18-91	USA	Asbestos Abatement
750	03-12-91	USA	Appl. of Environ. Isotopes to Practical Ground Water Studies

771	02-06-91	USA	Environmental Property Assessment (EPRA)
779	01-31-91	USA	Control of Air Toxics by Incineration and Other Proven Techniques
827	10-15-90	Africa	Cowpea and Soybean Research and Technology Transfer
838	09-24-90	Europe	Rural Planning in Relation to the Environment - Advanced Course
878	07-23-90	USA	Sanitary Landfill Design
926	06-04-90	USA	Risk Assessment and Strategies for Reducing Hazards (IICE9006)
990	03-26-90	Europe	Environmental Impact Assessment (EIA): Agriculture and Forestry Activities

EQUIPMENT

271	10-06-91	USA	Plant Maintenance
361	08-23-91	Europe	Farm Mechanization
607	06-05-91	Europe	Agricultural Machinery Management
1014	02-05-90	USA	Farm Electrification
1038	01-08-90	USA	Agricultural Safety and Emergencies
1039	01-08-90	USA	Farm Mechanics
1040	01-08-90	USA	Farm Power

EVALUATION

160	09-28-92	Europe	Management of Rural Projects and Their Evaluation
209	03-00-92	Europe	An Introduction to Project Management & Evaluation
289	09-23-91	USA	Project Management/Evaluation
318	09-09-91	USA	Tools and Techniques for Natural Resource Evaluations
333	09-02-91	USA	Monitoring, Eval., Feedback & Mgmt. of Irrigated Agri. Systems
339	09-02-91	Africa	Socio-Economic Evaluation Methods in Agroforestry
354	08-26-91	Africa	Evaluation and Production of Forage Crops
376	08-19-91	USA	Eval. of Population & Housing Censuses: Post Enumeration Survey
390	08-11-91	USA	Project Management and Evaluation
455	07-15-91	Europe	Monitoring and Evaluation of Public Sector Projects and Programs
457	07-15-91	Europe	Microcomputing Applications in Monitoring & Evaluation
481	07-08-91	USA	Project Monitoring and Evaluation
522	07-01-91	USA	Design of Evaluation Research
572	06-17-91	USA	Meas. the Unmeasurable: Non-Market Effects & Public Policy Eval.
593	06-10-91	USA	Building Safety Evaluation and Damage Assessment Methodologies
802	01- -91	Europe	Managing Rural Dev. - Information Systems, Monitoring & Eval.
845	09-10-90	Europe	Microcomputing Applications in Monitoring and Evaluation
863	08-13-90	USA	Research Methods and Program Evaluation
868	08-06-90	Asia	Monitoring and Evaluation of Projects and Programmes
897	07-09-90	USA	Social Research Methods and Evaluation of Programs
928	06-04-90	Asia	Project Monitoring and Evaluation (MI 09)
1009	02-12-90	USA	Identi. Toxicity With Biomonitoring & Toxicity Reduction Eval.
1051	01-01-90	Europe	Design and Implementation of Monitoring and Evaluation

EXTENSION

159	10-00-92	Europe	Forestry for Rural Development
161	09-15-92	Europe	Extension for Women in Agriculture in the Tropics
162	09-15-92	Europe	On Farm Trials Techniques
169	08-08-92	Netherlands	Fertilizer Use and Ext. (Soil Fertility Mgmt. for Sustainable Agri.)
173	07-13-92	Netherlands	Training for Trainers of Extension Workers
174	07-13-92	Netherlands	Management of Extension Programmes
175	07-13-92	Netherlands	Research Extension Linkages
184	06-15-92	Netherlands	Rural Extension
191	05-12-92	USA	Agricultural and Extension Education: Preparing for the 21st Century
205	03-02-92	Asia	Applied Legume BNF Technology for Extension Specialists
259	10-21-91	Europe	Women, Extension Workers and Agriculture
260	10-21-91	Africa	Forage Seed Marketing
272	10-05-91	USA	Symposium - Association for Farming Systems Research-Extension
274	10-03-91	USA	Improving Organ. & Mgmt.: Short Course for Extension Admin.
276	10-01-91	Europe	Agricultural Extension for Women in the Tropics
300	09-17-91	Europe	Agricultural Extension Technology in the Tropics
338	09-02-91	USA	Rural Extension Techniques
343	03-26-91	USA	Development and Operation of Agricultural Extension Programs
347	08-26-91	USA	Dev. & Operation of Agricultural Extension Programs (2 Sections)
363	08-23-91	Europe	Training in Rural Extension and Teaching
364	08-22-91	USA	Introduction to Midwest Agriculture
391	08-11-91	USA	Training of Trainers and the Management of Training
397	08-07-91	Europe	Rural Development Courses
400	08-05-91	USA	Training of Trainers for Agriculture and Rural Development (110-15)
406	08-05-91	USA	Integrated Pest Mgmt.: Principles/Practices for Ext. & Farm Managers
417	08-05-91	USA	Int'l Agri. Extension: Principles, Practices & Comparisons
436	07-22-91	Asia	Farming Systems Research/Extension Course
477	07-09-91	USA	Extension Methods for Reaching Smallholder Women Farmers

483	07-08-91	USA	Integrated Pest Management (IPM): Principles and Practices
488	07-08-91	USA	Farming Systems Approach to Research and Extension for Small Farms
529	07-01-91	Europe	Agricultural Extension Technology in the Tropics
575	06-17-91	USA	International Extension Field School
587	06-10-91	Asia	Community Forestry
644	05-27-91	North America	Communication Skills for Commodity Extension Workers
665	05-13-91	Asia	Management of Rainfed Agriculture (AWR 04)
671	05-13-91	North America	Agroforestry Extension and Training
672	05-13-91	USA	Sustainable Agriculture Utilizing a Systems Approach
676	05-12-91	USA	Keys to Agricultural and Rural Development at the Local Level
681	05-06-91	USA	Training of Trainers
749	03-13-91	Asia	Small Scale Water Resources Development - Study Trip (ST 01)
774	02-04-91	Asia	Training and Technology Transfer
785	01-16-91	Asia	International Course for Rural Extension Trainers
790	01-07-91	Europe	Rural Extension for Foresters
833	10-01-90	Asia	Production Techniques for Extension Audio-Visual Aids
834	10-01-90	USA	Intensive Gardening Extension Training
860	08-19-90	USA	Training for Trainers
930	06-04-90	Asia	Communication Campaign Planning
942	05-14-90	Africa	Root Crops Research and Technology Transfer
991	03-26-90	Asia	Extension Publications Production
1001	03-12-90	Africa	Alley Farming for Tropical Africa

FEED

164	08-24-92	Netherlands	Pig Husbandry
200	03-26-92	Australia	Feeding and Production of Dairy Cattle in the Tropics
218	01-13-92	Europe	Animal Feeding and Nutrition
296	09-23-91	USA	Feed Manufacturing
298	09-22-91	USA	Poultry Production
365	08-22-91	Europe	Ruminant Production in the Tropics 9.13/91 TK75-232-91
652	05-20-91	Africa	Ruminant Nutrition and Feeding Systems
656	05-16-91	Europe	Ruminant Nutrition in the Tropics 9.12/91 TK75-231-91
667	05-13-91	Europe	Feeding Value of Mediterranean Forages and By-Products
946	05-14-90	Asia	Feed Technology
959	05-04-90	Asia	Feed Evaluation and Formulation for Dairy Animals
1012	02-05-90	USA	Poultry Management
1048	01-08-90	USA	Poultry and Swine Feeding

FERTILIZER

169	08-08-92	Netherlands	Fertilizer Use & Ext. (Soil Fertility Mgmt. for Sustainable Agri.)
187	06-08-92	USA	Data Collection, Analysis and Projections for Fertilizer
188	06-08-92	USA	Advances in Fertilizer and Irrigation Technology in the United States
202	03-23-92	USA	Phosphate Fertilizer and the Environment
211	02-10-92	Asia	Fertilizer Distribution and Handling Training Program
231	12-02-91	Asia	Fertilizer Marketing Training Program
247	11-04-91	USA	Financial, Econ. & Environ. Impact Analysis for Fertilizer Sector Proj.
267	10-07-91	USA	Fertilizer Use Strategies for Sustainable Agriculture
322	09-09-91	USA	Policy Issues Affecting Fertilizer Sector Dev. and Sustainable Agri.
402	08-05-91	USA	Fertilizer Marketing Management Training Program
437	07-22-91	Asia	International Network on Sustainable Rice Farming Systems
502	07-08-91	USA	Agroeconomic Evaluation for Development of Fertilizer
531	07-01-91	USA	Soil Testing, Soil Fertility Management and Conservation
602	06-10-91	Europe	Modern Techniques in Fertilizer Distribution and Handling
1000	03-19-90	Asia	Soil Fertility and Fertilizer Management

FINANCE

236	11-18-91	Asia	Rural Finance and Farm Development 9.04/91 TK76-260-91
247	11-04-91	USA	Financial, Econ. & Environ. Impact Analysis for Fertilizer Sector Proj.
342	08-26-91	USA	Financial Management
349	08-26-91	USA	Project Analysis
351	08-26-91	USA	Cooperative Development and Management Seminar
430	07-29-91	USA	Financial Management Certificate Program
499	07-08-91	USA	Financial Management
619	06-03-91	USA	4th Annual Program in World Banking & Finance
875	08-04-90	Pakistan	Marketing Appreciation for Production and Finance Executives
980	04-15-90	USA	Managerial Accounting for Non-Accountants
1045	01-08-90	USA	Farm Financial Management

FIRE

879	07-23-90	USA	Wild/Prescribed Fire Management and Economics
967	04-21-90	Europe	International Course on Fire Prevention

FISH

220	01-07-92	Netherlands	Data Handling for Tropical Fisheries Management
380	08-15-91	North America	Marine Fish Culture
475	07-10-91	USA/IC	Gillnetting
476	07-10-91	USA/IC	Trawling (Commercial Fishing)
478	07-09-91	North America	Biology of Fishes
645	05-26-91	USA	Economic Analysis of Aquaculture Systems
657	05-15-91	Asia	Aquaculture Development and Management - Study Trip (ST 04)
666	05-13-91	Asia	Integrated Farming System Management (AWR 08)
741	03-21-91	USA	Aquaculture Training Program
756	03-06-91	USA	Shrimp Processing and Marketing
903	07-02-90	Asia	Low-Cost Aquaculture Development
969	04-16-90	Europe	Planning, Economics and Management of Fishing - Advanced Seminar

FOOD PRODUCTION

170	08-04-92	Netherlands	Quality Assurance & Mkt. in Food Processing Enterprise
284	09-30-91	Europe	Marketing of Agricultural and Food Products (Advanced)
337	09-02-91	Asia	Quality Control in the Food Industry (MI 14)
340	09-02-91	North America	Abattoir Facilities, Meat Handling and By-Product Utilization
421	08-04-91	Europe	International Course on Food Processing
700	04-28-91	Egypt	International Food Legume Research Conference
758	03-04-91	Asia	Rice Production (RP)
912	06-18-90	Africa	Sustainable Food Production Systems
956	05-07-90	Asia	Dairy Products Manufactured at Home

FOOD SCIENCE

214	01-20-92	Europe	Dairy Husbandry and Milk Processing
221	01-06-92	Netherlands	Food Science and Nutrition
222	01-06-92	Netherlands	International Course on Food Science and Nutrition
271	10-06-91	USA	Plant Maintenance
279	10-00-91	USA	Starch Technology
299	09-20-91	Europe	Food Processing as a Small Business
302	09-17-91	Europe	International Conference on Food Science and Technology Information
337	09-02-91	Asia	Quality Control in the Food Industry (MI 14)
401	08-05-91	USA	Postharvest Loss Reduction of Perishable Crops(150-7)
442	07-21-91	USA	Cheese Production
553	06-24-91	North America	Food and Nutrition Planning
578	06-16-91	USA	Dairy Production
638	05-29-91	USA	Flavor and Color Technology
648	05-20-91	USA	Soybean Processing for Food Uses
654	05-19-91	USA	Dairy Processing
679	05-07-91	USA	Microwave Technology
684	05-06-91	USA	Sensory Evaluation
696	04-30-91	USA	Good Manufacturing Practices (GMP) for the Food Industry
706	04-22-91	USA	Food Extrusion Technology
712	04-17-91	USA	Regulatory Compliance for the Food Industry
780	01-29-91	USA	Better Process Control School (Retort Operators Certification)
861	08-13-90	USA	Food Texture and Technology
899	07-09-90	USA	Food Microbiology
982	04-02-90	USA	Extrusion Processing of Nutritious Foods
1017	02-05-90	USA	Dairy Product Processing and Quality

FORAGE

354	08-26-91	Africa	Evaluation and Production of Forage Crops
355	08-26-91	Africa	Forage Crop Seed Production
646	05-26-91	USA	Multiple Use Management of Arid Rangelands
667	05-13-91	Europe	Feeding Value of Mediterranean Forages and By-Products
675	05-13-91	Africa	Forage Seed Quality Control
794	01-03-91	Europe	Range Management
865	08-10-90	Europe	Nutrnl. Aspects Sheep Grazing/Feeding Under Nrthrn. Conditions
869	08-06-90	USA	Watershed Interventions and Rehabilitation

FORESTRY

159	10-00-92	Europe	Forestry for Rural Development
163	08-31-92	Netherlands	The Design of Community Forestry
270	10-06-91	USA	Forest Administration and Management - 8th International Seminar
309	09-10-91	Australia	Biogeography: Patterns of Ecological Diversity
319	09-09-91	Netherlands	Design of Community Forestry
336	09-02-91	Australia	Forestry Planning and Management
352	08-26-91	Asia	Management Systems in Community Forestry
398	08-06-91	USA	Microcomputer Applications in Resource and Pest Management
434	07-24-91	South America	Tropical Ecology: The Dynamics of Deforestation (Introduction)

445	07-17-91	USA	Production and use of Nitrogen Fixing Trees on Small Farms
453	07-15-91	USA	Tree Establishment in Arid Areas for Fuelwood and Conservation
454	07-15-91	Asia	Application of Remote Sensing and GIS in Tropical Rain Forest
511	07-02-91	Europe	Tropical Forest Management
537	06-28-91	Australia	Tropical Deforestation: Threats to Biological Diversity
539	06-26-91	Europe	Rural Development Forestry
559	06-18-91	Costa Rica	Tropical Cloud Forest Ecology
563	06-18-91	Asia	Symposium of Forest Harvesting in Southeast Asia
576	06-17-91	Asia	Forest Harvesting in Southeast Asia
587	06-10-91	Asia	Community Forestry
589	06-10-91	USA	Land Use Planning for Community Forestry & Natural Res. Dev.
601	06-10-91	USA	Land Use Planning for Community Forestry & Natural Res. Dev.
622	06-03-91	Europe	Agroforestry Systems
650	05-20-91	USA	Forest Nursery Production & Seedling Est. for Developing Countries
715	04-15-91	South America	Mng. Tropical Natural Forests for Non-Timber Forest Prod. & Environ.
730	04-01-91	USA	Windbreak Technology
733	03-27-91	USA	Forest Engineering Institute
765	02-18-91	USA	Elements of Forestry
790	01-07-91	Europe	Rural Extension for Foresters
869	08-06-90	USA	Watered Interventions and Rehabilitation
894	07-09-90	USA	Technical Forest Management and Economics
907	06-25-90	Australia	Trees of Arid and Semi-Arid Australia
922	06-11-90	USA	Community Forestry
929	06-04-90	USA	Forest Tree Seed Technology
941	05-15-90	USA	Tree Nursery Management
944	05-14-90	USA	Regeneration and Stand Management
949	05-07-90	USA	Wildlife Habitat Management
967	04-21-90	Europe	International Course on Fire Prevention
990	03-26-90	Europe	Environ. Impact Assessment (EIA): Agri. & Forestry Activities
1002	03-12-90	USA	Economics and Problem Solving
1028	01-29-90	Australia	Trees of Temperate Australia
1034	01-08-90	USA	Woodland Management

FRUIT

353	08-26-91	North America	Export Market Requirements for Fruits, Veg. & Floriculture
404	08-05-91	USA	Prod./Maintenance of Virus-Free Prop. Material of Temp. Fruit
514	07-01-91	USA	Prod., Postharvest Physiology, Handling & Processing of Trop. Fruits
606	06-05-91	Asia	Fruits and Vegetables Farming - Study Trip (ST 03)
633	06-02-91	North America	Veg. Propagation Tech. (Incl. Tissue Culture) for Fruit Crops
666	05-13-91	Asia	Integrated Farming System Management (AWR 08)
689	05-05-91	North America	Tropical Fruit Crop Production for Export
795	01-03-91	Europe	Fruit, Vegetables and Root Crops
849	09-03-90	USA	Vegetable and Fruit Production and Marketing
862	08-13-90	USA	Postharvest Microbiology of Fruits and Vegetables
891	07-15-90	USA	Adv. in Postharvest Physiology, Handling & Processing of Trop. Fruit
951	05-07-90	Asia	Banana Production
952	05-07-90	Asia	Mango Production
953	05-07-90	Asia	Citrus Production
966	04-23-90	Asia	Tissue Culture of Banana

FUELWOOD

157	11-02-92	Australia	Fodder Tree Legumes - Multipurpose Species for Agriculture
453	07-15-91	USA	Tree Establishment in Arid Areas for Fuelwood and Conservation
922	06-11-90	USA	Community Forestry
941	05-15-90	USA	Tree Nursery Management

GENDER

161	09-15-92	Europe	Extension for Women in Agriculture in the Tropics
276	10-01-91	Europe	Agricultural Extension for Women in the Tropics
407	08-05-91	USA	Women and Work: What Difference Does Gender Make?
452	07-15-91	USA	Gender Analysis for Development Planning
477	07-09-91	USA	Extension Methods for Reaching Smallholder Women Farmers
549	06-24-91	USA	The Role of Women in Development
647	05-25-91	USA	Management Roles for Women in Development
698	04-29-91	USA	Management Skills for Women in Developing Countries
797	01-03-91	Europe	Women, Men and Development
949	05-20-90	USA	Women in Livestock Development

GENETIC

164	08-24-92	Netherlands	Pig Husbandry
178	07-00-92	Europe	Legume Science for Developing Countries
183	03-22-92	USA	Plant Genetic Resource Conservation

950 05-07-90 Asia
 954 05-07-90 Asia
 964 04-30-90 Asia
 1019 02-05-90 USA
 1047 01-08-90 USA

Swine Production
 Artificial Insemination and Pregnancy Diagnosis in Cattle
 Smallholder Beef Cattle Production
 Genetic Improvement of Dairy Cattle
 Beef and Swine Breeding

GEOGRAPHY

238 11-12-91 USA
 268 10-07-91 USA
 275 10-02-91 USA
 294 09-23-91 USA
 388 08-12-91 USA
 427 07-29-91 USA
 458 07-15-91 USA
 461 07-15-91 USA
 462 07-15-91 USA
 536 06-28-91 Australia
 548 06-24-91 USA
 584 06-11-91 USA

Raster Geographic Information Systems for the Microcomputer
 Advanced Topics in Map Analysis With GIS
 Introduction to GIS
 Introduction to Geographic Information Systems (GIS)
 PC ARC/INFO - Introduction (a Course Certified by ESRI)
 GIS Appl. of Census Data for Redistricting & Demo. Analyses
 Basics of Geographic Information Systems for Developing Countries
 Remote Sensing & GIS for Monitoring & Mng. Nat. Res.
 Remote Sensing & GIS for Monitoring & Mng. Nat. Res.
 Biogeography: Patterns of Ecological Diversity
 GRASS for Resource Analysis
 GIS Technology in Resource and Environmental Management

GOATS

285 09-29-91 USA
 759 03-04-91 Europe
 776 02-04-91 Europe
 825 10-22-90 USA
 924 06-11-90 USA
 945 05-14-90 USA

Sheep and Goat Production
 Carcass and Meat Quality in Ruminants
 Goat Production
 International Goat Production Symposium
 Small Ruminant Production Techniques (TC# 130-10)
 Goat Management Practices

GRAIN

278 10-00-91 Europe
 609 06-03-91 USA
 669 05-13-91 USA
 723 04-08-91 USA
 809 12-12-90 USA
 1020 02-05-90 USA
 1046 01-08-90 USA

Postharvest Technology of Grain Crops
 Grain Storage and Marketing
 Maintaining Grain Quality
 U.S. Grain Marketing System Short Course
 U.S. Grain Exports in a Rapidly Changing World
 Grain Crops Production and Management
 Grain Marketing

HORTICULTURE

186 06-08-92 Netherlands
 292 09-23-91 USA
 330 09-03-91 USA
 371 08-19-91 USA
 606 06-05-91 Asia
 795 01-03-91 Europe
 834 10-01-90 USA
 890 07-15-90 USA
 951 05-07-90 Asia
 952 05-07-90 Asia
 953 05-07-90 Asia
 966 04-23-90 Asia
 972 04-16-90 Asia
 973 04-16-90 Asia
 974 04-16-90 Asia
 975 04-16-90 Asia
 976 04-16-90 Asia
 984 04-02-90 Asia
 1033 01-08-90 USA

Stage sur les Plants de Pommes de Terre
 Posthrvt Biology & Tech. of Horticultural Perishables - Mod. 3
 Posthrvt Biology & Tech. of Horticultural Perishables - Mod. 2
 Posthrvt Biology & Tech. of Horticultural Perishables - Mod. 1
 Fruits and Vegetables Farming - Study Trip (ST 03)
 Fruit, Vegetables and Root Crops
 Intensive Gardening Extension Training
 Advances in Posthrvt Handling & Processing of Trop. Fruits & Veg.
 Banana Production
 Mango Production
 Citrus Production
 Tissue Culture of Banana
 Plant Propagation and Nursery Management of Economic Plants
 Propagation and Cultural Management of Selected Medicinal Plants
 Black Pepper Production
 Coffee Production and Processing
 Tech. & Mgmt. for Eggplant, Tomato, Pepper & Watermelon Family
 Cacao Production and Processing
 Vegetable Crops

HUMAN RESOURCES

216 01-15-92 Europe
 269 10-07-91 Europe
 295 09-23-91 Europe
 304 09-16-91 USA
 387 08-12-91 Asia
 394 08-09-91 USA
 403 08-05-91 USA
 408 08-05-91 USA
 419 08-04-91 Asia
 495 07-08-91 USA
 496 07-08-91 USA
 538 06-26-91 Asia
 631 06-02-91 South America

Senior Management Course
 Management of Consultants
 Manpower Studies
 Human Resource Development
 Advanced Management Program for Asia-Pacific Managers (MI 15)
 Re-Entry and Professional Reintegration
 Training & Consultation Skills for Int'l Human Resource Dev.
 Management Analysis
 Executive Program
 Enhancing the Tools of Personal Communication
 Bldg. Communities That Work: The Link Between Culture & Power
 Human Resource Management (MI 04)
 International Career Development Program in Costa Rica

725	04-08-91	USA	Human Resource Management
760	03-04-91	Asia	Management of Change and Conflict in Organizations (MI01)
813	12-02-90	USA	Strategic Human Resource Management
851	09-01-90	Europe	Management Skills for Rural Development
885	07-16-90	Asia	Management of Training Centers (ED 03)
904	07-02-90	Asia	Field and Middle-Level Management and Supervision
915	06-18-90	USA	International Institute for Effective Management and Decision Making

HYDROLOGY

308	09-16-91	USA	IBM PC Applications in Ground Water Pollution and Hydrology
314	09-09-91	Asia	Hydrometeorological Measurements and Data Analysis Techniques
331	09-03-91	Asia	Micro-Hydro Power
357	08-25-91	USA	Design of Wells and Pumps for Irrigation
377	08-19-91	USA	Applied Hydrogenation Technology
384	08-12-91	USA	Design of Detention Reservoirs and Small Dams (IICE #9002)
460	07-15-91	USA	Hydrometry
492	07-08-91	USA	Forecasting and Control of Water Resources Systems
581	06-12-91	USA	Hydrometry: a Course in the Measurement of Hydrological Variables
582	06-11-91	USA	Techniques of Hydrologic Investigations for International Participants
610	06-03-91	USA	Resource Development of Watershed Lands (120-8)
626	06-03-91	USA	Fundamentals of Ground Water and Well Technology
628	06-03-91	USA	Integrated Resource Development of Watershed Lands
680	05-07-91	USA	Principles of Ground Water Hydrology
688	05-05-91	USA	On-Farm Irrigation Design and Evaluation
704	04-24-91	USA	Geologic Modeling of Dep. Environ. & Appl. to Ground Water
718	04-15-91	USA	Modflow for Simulation of Ground Water Flow and Advective Transport
757	03-04-91	USA	Basic Groundwater Hydrology
772	02-04-91	Asia	Planning and Design of Small Scale Irrigation Projects (AWR 01)
815	11-12-90	USA	Effective Techniques for Contaminated Groundwater Treatment
874	08-05-90	USA	Seminar on Hydrology and Water Management of the Amazon Basin
923	06-11-90	USA	Operation of Hydraulic Structures (IICE #9007)
983	04-02-90	Asia	Groundwater Resource Evaluation and Management

INFORMATION

253	10-21-91	USA	Principles of Management Information Systems (MIS)
317	09-09-91	USA	Information Resources Management
320	09-09-91	Europe	Information on Agriculture
328	09-04-91	USA	Computer Processing and Information Systems
341	08-27-91	Europe	Bibliographic Information on Development
369	08-19-91	USA	Project Analysis Certificate Program
425	07-29-91	USA	International Management Development Certificate Program
456	07-15-91	Europe	Microcomp. & Info. Technology for Planning & Dev.
467	07-15-91	Africa	Management of Agricultural Information
490	07-08-91	Europe	Computerized Land Information Systems
732	04-00-91	Africa	Agroforestry Information Management
753	03-11-91	USA	Collection and Analysis of Labor Market Information
852	08-28-90	USA	Bibliographic Information on Development
856	08-26-90	USA	Population and Health Management Information Systems
884	07-16-90	Europe	Microcomp. & Info. Technology for Planning & Dev. Professionals
911	06-18-90	Asia	Information Systems Analysis and Design
932	06-04-90	USA	Postharvest Information Management

IRRIGATION

166	08-19-92	Netherlands	Land Drainage
188	06-08-92	USA	Advances in Fertilizer and Irrigation Technology in the United States
197	04-08-92	USA	Waterlogging and Salinity Technical Study Tour of U.S. Western States
203	03-22-92	USA	Waterlogging, Drainage and Salinity Control
223	01-05-92	USA	Applied Microcomputer Use in Irrigation and Drainage
224	01-05-92	USA	Computer-Assisted Irrigation System Management
241	11-11-91	USA	Irrigation Systems Rehabilitation
266	10-07-91	USA	Training of Trainers for Irrigation Management
286	09-29-91	USA	Maintenance of Pumping System Components
287	09-29-91	USA	Operation, Maintenance and Mgmt. of Irrig. Delivery Systems
333	09-02-91	USA	Monitoring, Eval., Feedback & Mgmt. of Irrigated Agri. Systems
345	08-26-91	Asia	Irrigation Water Management
357	08-25-91	USA	Design of Wells and Pumps for Irrigation
358	08-25-91	USA	Farmer Participation and Irrigation Organizations
385	08-12-91	USA/IC	Automatic Operation of Irrigation Canals
396	08-07-91	Asia	Irrigation System Mgmt. - Seminar Program and Study Tour (ST 02)
409	08-05-91	USA	Study Tour of Irrigation Main Systems in the Western United States
468	07-14-91	USA	On-Farm Water Management
491	07-08-91	USA	Modern Irrigation System Management (CIIM No. 03)

512	07-01-91	Asia	Irrigation System Management (AWR 02)
513	07-01-91	Asia	Microcomputer Applications in Water Management (AWR 03)
515	07-01-91	USA	Microcomp. Applications in Irrigation Data and Project Mgmt.
528	07-01-91	USA	Irrigated Vegetable Production for Developing Countries
568	06-17-91	USA	Design and Management of Local Irrigation Organizations
579	06-16-91	USA	On-Farm Irrigation Scheduling
596	06-10-91	USA	Irrigation and Water Management Systems
613	06-03-91	USA	Computer Simulation and Design of Water Distribution Systems
620	06-03-91	USA	Irrigation Management Research Methodology
621	06-03-91	USA	Colorado Irrigation Study Tour (CIIM No. 1)
629	06-02-91	USA	Planning, Policy and Strategies for Irrigated Agriculture
632	06-02-91	USA	Workshop on Policy, Planning and Strategies for Irrigated Agriculture
678	05-08-91	Europe	Management of Irrigation Projects-TK77-291-91
688	05-05-91	USA	On-Farm Irrigation Design and Evaluation
707	04-22-91	Europe	Agricultural Water Management
721	04-08-91	USA	Reclaimed Municipal Wastewater for Irrigation
749	03-13-91	Asia	Small Scale Water Resources Development - Study Trip (ST 01)
767	02-17-91	USA	Potential Crop Production From Irrigated and Dryland Agriculture
772	02-04-91	Asia	Planning and Design of Small Scale Irrigation Projects (AWR 01)
775	02-04-91	Asia	Irrigation Project Rehabilitation and Management
824	10-23-90	USA	On Farm Management of Pressurized Irrigation Systems
847	09-03-90	Asia	On-Farm Water Management
867	08-06-90	Asia	Rehabilitation of Large Scale Irrigation Systems
888	07-16-90	USA	Small Scale Irrigation and Water Management
898	07-09-90	USA	Small Scale Irrigation and Water Management
900	07-09-90	USA	Small Scale Irrigation System Design and Operation
908	06-25-90	USA	Design of Drip Irrigation Systems
920	06-11-90	USA	Problems and Practices of Irrigation Systems (120-1)
996	03-19-90	Africa	Management of Irrigation Projects

LABOR

305	09-16-91	USA	Analysis of Labor Statistics for Policy Form. in the Human Res. Sector
386	08-12-91	USA	Use of Economic Data in Collective Bargaining
439	07-22-91	USA	Manpower Projections and Analysis for Planning and Development
592	06-10-91	USA	Labor Force Characteristics; Measurement of Employment
724	04-08-91	USA	Computer Packages for Users of Labor Statistics
753	03-11-91	USA	Collection and Analysis of Labor Market Information

LAND USE

180	07-00-92	Europe	Regional Land Use Planning
263	10-14-91	Africa	Agroforestry Research for Development
270	10-06-91	USA	Forest Administration and Management - 8th International Seminar
383	08-12-91	USA	Environmental Planning and Management
433	07-26-91	USA	Management of Wildlands and Protected Areas
490	07-08-91	Europe	Computerized Land Information Systems
589	06-10-91	USA	Land Use Planning for Community Forestry & Natural Resource Dev.
594	06-10-91	USA	International Integrated Resource Management
663	05-06-91	South America	Agroforestry: Sustainable Land Use for the Humid Tropics
720	04-09-91	USA	Sanitary Landfill Leachate and Gas Management
766	02-18-91	USA	Sanitary Landfill Design
839	09-19-90	USA	13th Annual Madison Waste Conference
878	07-23-90	USA	Sanitary Landfill Design
916	06-18-90	USA	Tenure and Management of Natural Resources in Sub-Saharan Africa
1026	02-04-90	Canada	Geographic Information Systems for Integrated Land Use Planning

LANGUAGE

608	06-04-91	USA	Intensive English and Orientation Program
789	01-07-91	USA	American Language Program
792	01-03-91	USA	Intensive English Program for International Students
793	01-03-91	USA	English Language Center
821	10-30-90	USA	Program in American Language Studies - Evening Program
846	09-04-90	USA	Program in American Language Studies - Daytime Program
902	07-08-90	USA	French Language Institutes
958	05-04-90	USA	Intensive English Program

LEADERSHIP

216	01-15-92	Europe	Senior Management Course
367	08-21-91	USA	Leadership and Management Development
394	08-09-91	USA	Re-Entry and Professional Reintegration
399	08-05-91	Africa	Senior Managers Program
419	08-04-91	Asia	Executive Program
426	07-29-91	USA	Management Development for Spanish and French Speakers

496	07-08-91	USA	Bldg. Communities That Work: The Link Between Culture & Power
497	07-08-91	USA	Applied Management Skills for Economic Development
552	06-30-91	USA	Entrepreneurship for Development
554	06-23-91	USA	Facilitator Training Program
653	05-19-91	USA	Management-Communication for Development
664	05-13-91	USA	International Management Workshop
687	05-05-91	USA	Agribusiness Management
701	04-28-91	USA	Southeast Asia Food Executive Program
714	04-15-91	USA	Strategic Management of Non-Governmental Organizations
915	06-18-90	USA	International Institute for Effective Management and Decision Making
919	06-11-90	USA	Program Management (140-3)
1041	01-08-90	USA	Community Leadership
1049	01-07-90	Canada	Community Leadership

LIVESTOCK

248	11-04-91	Africa	Livestock Research Methods
335	09-02-91	Africa	Livestock Policy Analysis
392	08-11-91	USA	Eighth Annual Institute on Livestock in Development
472	07-10-91	Europe	Statistics for Livestock Studies
500	01-00-91	USA	Livestock Production and Veterinary Health Care
935	05-23-90	USA	Seventh Institute on Livestock in Development
939	05-20-90	USA	Permaculture
940	05-20-90	USA	Women in Livestock Development
946	05-14-90	Asia	Feed Technology
964	04-30-90	Asia	Smallholder Beef Cattle Production
1024	02-05-90	USA	Prevention and Control of Diseases of Livestock
1050	01-02-90	Asia	Livestock Production

MAIZE

837	09-24-90	Africa	Maize Research and Technology Transfer - Phase I
840	09-17-90	Europe	Maize Breeding, Production, Processing and Marketing in Mediterranean Countries

MANAGEMENT

158	10-28-92	Netherlands	Food and Nutrition Programme Management
160	09-28-92	Europe	Management of Rural Projects and Their Evaluation
174	07-13-92	Netherlands	Management of Extension Programmes
176	07-00-92	Europe	Environmental Management in Developing Countries
194	04-27-92	Europe	Cross-Cultural Management Program
209	03-00-92	Europe	An Introduction to Project Management & Evaluation
215	01-17-92	USA	Farm Operations Winter Program
216	01-15-92	Europe	Senior Management Course
240	11-12-91	USA	Management of Statistical Activities
252	10-21-91	USA	Strategic Management for Senior Officials
253	10-21-91	USA	Principles of Management Information Systems (MIS)
255	10-21-91	Asia	Crisis and Risk Management (MI 07)
262	10-14-91	Africa	Management of Rural Development
269	10-07-91	Europe	Management of Consultants
270	10-06-91	USA	Forest Administration and Management - 8th International Seminar
281	10-00-91	Europe	Trng. Course on Energy Mgmt. in Small & Medium Scale Indus.
289	09-23-91	USA	Project Management/Evaluation
290	09-23-91	Europe	Management of Agricultural and Rural Development
291	09-23-91	Europe	Management Development Programs for the Agricultural Sector
303	09-16-91	USA	Designing & Mng. Integrated Agri. & Rural Dev. Programs
310	09-10-91	Africa	Wildlife Ecology and Management
323	09-09-91	North America	Resp. & Functions of Board Members of Comm/Organ.
329	09-04-91	USA	Survey and Census Methods
336	09-02-91	Australia	Forestry Planning and Management
348	08-26-91	USA	Computer Applications in Management
351	08-26-91	USA	Cooperative Development and Management Seminar
352	08-26-91	Asia	Management Systems in Community Forestry
356	08-25-91	USA	Managing Development With Microcomputers
367	03-21-91	USA	Leadership and Management Development
372	08-19-91	USA	Computer Applications for Agri. & Natural Res. Mgmt.
373	08-19-91	USA	Management Skills for Agricultural Research
387	08-12-91	Asia	Advanced Management Program for Asia-Pacific Managers (MI 15)
390	08-11-91	USA	Project Management and Evaluation
397	08-07-91	Europe	Rural Development Courses
399	08-05-91	Africa	Senior Managers Program
402	08-05-91	USA	Fertilizer Marketing Management Training Program
405	08-05-91	USA	Management Information Systems (MIS) Certificate Program
408	08-05-91	USA	Management Analysis

419	08-04-91	Asia	Executive Program
425	07-29-91	USA	International Management Development Certificate Program
426	07-29-91	USA	Management Development for Spanish and French Speakers
430	07-29-91	USA	Financial Management Certificate Program
438	07-22-91	USA	Mng. Proj. Cycle: Microcomp. Tools for Proj. Analysis & Impl.
446	07-16-91	USA	Project Implementation for Agriculture and Rural Development
450	07-16-91	USA	Managing International Technical Training Programs
465	07-15-91	Asia	Prospectus for Research Management Enhancement
467	07-15-91	Africa	Management of Agricultural Information
473	07-10-91	Europe	Development and Employment Management
497	07-08-91	USA	Applied Management Skills for Economic Development
498	07-08-91	USA	Experiment Station Operations Management
499	07-08-91	USA	Financial Management
503	07-07-91	Europe	Annual Seminar on Environmental Assessment and Management
506	07-07-91	USA	Mgmt. for Natural Resources Dev. & Environmental Protection
509	07-02-91	USA	Marketing Management Program
531	07-01-91	USA	Soil Testing, Soil Fertility Management and Conservation
532	07-01-91	USA	Tenure and Management of Natural Resources in Sub-Saharan Africa
535	06-30-91	USA	Use of Futures & Speculative Markets in Int'l Commodity Trading
538	06-26-91	Asia	Human Resource Management (MI 04)
540	06-24-91	USA	Strategic Management Workshop
541	06-24-91	USA	Management of Agricultural Research (140-24)
542	06-24-91	USA	Cooperative Executive Development
544	06-24-91	USA	Agribusiness Management
545	06-24-91	USA	Summer Agribusiness Management Program
557	06-18-91	Africa	Wildlife Management
566	06-18-91	USA	Modern Methods for Managing Multiple Small Projects
584	06-11-91	USA	GIS Technology in Resource and Environmental Management
590	06-10-91	USA	Strategies and Tools for Effective Program Management
597	06-10-91	USA	Project Management in Rural Development
600	06-10-91	USA	Strategies and Tools for Program Management
603	06-10-91	USA	Rural Development Project Management
604	06-09-91	USA	Market Management and Strategic Planning for Agribusiness
605	06-07-91	Europe	System-Oriented Management of Self-Help Organizations 9.07a91
620	06-03-91	USA	Irrigation Management Research Methodology
640	05-27-91	Africa	Management Development Program (PC-48)
641	05-27-91	USA	Organization and Management Development (140-14)
647	05-25-91	USA	Management Roles for Women in Development
651	05-20-91	USA	Macro-Policies and Management of State Oil and Mining Industries
653	05-19-91	USA	Management-Communication for Development
660	05-13-91	USA	Management of Small Enterprise Development Programs
664	05-13-91	USA	International Management Workshop
674	05-13-91	USA	Management of Public Sector Organizations
687	05-05-91	USA	Agribusiness Management
690	05-01-91	USA	Managing Rural Banks and Credit Institutions
698	04-29-91	USA	Management Skills for Women in Developing Countries
701	04-28-91	USA	Southeast Asia Food Executive Program
709	04-22-91	Africa	Environmental Management in Development
710	04-22-91	Europe	Microcomputer Applications in Agricultural Management
714	04-15-91	USA	Strategic Management of Non-Governmental Organizations
719	04-15-91	North America	Dev. & Mgmt. of Small & Medium-Sized Enterprise in the Caribbean
720	04-09-91	USA	Sanitary Landfill Leachate and Gas Management
751	03-11-91	Africa	Computers in Management
754	03-11-91	Africa	Management of Enterprise Development
760	03-04-91	Asia	Management of Change and Conflict in Organizations (MI01)
802	01-91	Europe	Managing Rural Dev. - Information Systems, Monitoring & Eval.
807	12-22-90	Pakistan	How to Improve Morale, Motivation & Commitment
808	12-17-90	USA	Computer Applications for Agri. & Natural Resource Mgmt.
810	12-08-90	Pakistan	Effective Communication Skills
813	12-02-90	USA	Strategic Human Resource Management
817	11-10-90	Pakistan	Negotiation Skills
818	11-10-90	Pakistan	Goal Setting and Work Planning System
820	11-03-90	Pakistan	Problem Solving and Decision Making Skills
823	10-27-90	Pakistan	Managerial Skills for the General Manager
826	10-20-90	Pakistan	Human Relations
829	10-13-90	Pakistan	Development Course for Managers
832	10-06-90	Pakistan	Management Course for Junior Executives
836	09-29-90	Pakistan	Team-Work: Getting People to Work Together
841	09-17-90	USA	Practice of Management Principles
844	09-10-90	Asia	Planning and Management of Training Programs
848	09-03-90	Africa	Agricultural Project Analysis and Management
851	09-01-90	Europe	Management Skills for Rural Development

858	08-24-90	Pakistan	Advanced Management Program
859	08-20-90	Asia	Managing Rural Development (RD 01)
864	08-11-90	Pakistan	Improving Your Personal Effectiveness
866	08-06-90	Asia	Small Business Management (MI 10)
870	08-06-90	USA	Agricultural Research Management
871	08-06-90	USA	Trainers of Trainers in Management Seminar (ALT90-3003)
872	08-06-90	USA	Management Strategies in Enterprises (ALT90-1101)
879	07-23-90	USA	Wild/Prescribed Fire Management and Economics
885	07-16-90	Asia	Management of Training Centers (ED 03)
892	07-14-90	Pakistan	Introduction to Management
904	07-02-90	Asia	Field and Middle-Level Management and Supervision
905	07-02-90	USA	Development Project Management Workshop
909	06-25-90	USA	Training Program for Southeast Asia Wildlife Preserve Managers
915	06-18-90	USA	International Institute for Effective Management and Decision Making
917	06-15-90	Virgin Island	Marine Parks Management (Advanced)
919	06-11-90	USA	Program Management (140-3)
921	06-11-90	USA	Development Management Workshop
925	06-06-90	USA	Trainer of Trainers Seminar (Men) (ALT90-3002)
927	06-04-90	Asia	Project Management (MI 02)
937	05-21-90	USA	The Engineer in Transition to Management
943	05-14-90	USA	Management of Government Organizations (140-23)
949	05-07-90	USA	Wildlife Habitat Management
960	04-30-90	Asia	Technology Orientation for Development Managers
970	04-16-90	USA	Managing Training and Development in the 1990's
985	04-01-90	Africa	Food Policy Management
1006	03-05-90	USA	Regional, Sector and National Planning Seminar (ALT90-2101)
1007	02-19-90	Africa	Research Farm Management
1010	02-09-90	USA	Multicultural Management for the 1990's
1016	02-05-90	USA	Advanced Soil Management
1029	01-22-90	Asia	Project Implementation and Management Skills
1030	01-20-90	USA	Infrastructure Engineering and Management
1034	01-08-90	USA	Woodland Management
1035	01-08-90	USA	Wildlife Management
1045	01-08-90	USA	Farm Financial Management

MAPPING

268	10-07-91	USA	Advanced Topics in Map Analysis With GIS
565	06-18-91	Caribbean	Mapping Marine Ecosystems

MARINE

311	09-10-91	West Indies	Marine Ecology and Management
312	09-10-91	Mexico	Marine Mammal Biology and Conservation
380	08-15-91	North America	Marine Fish Culture
423	07-30-91	North America	Biological Oceanography
447	07-16-91	North America	Tropical Marine Invertebrates
478	07-09-91	North America	Biology of Fishes
508	07-03-91	North America	Zooplankton Ecology
565	06-18-91	Caribbean	Mapping Marine Ecosystems
583	06-11-91	North America	Marine Microbial Ecology
595	06-10-91	North America	Analysis of Marine Pollution
731	04-01-91	USA	Coastal Zone Management
756	03-06-91	USA	Shrimp Processing and Marketing
917	06-15-90	Virgin Island	Marine Parks Management (Advanced)

MARKETING

170	08-04-92	Netherlands	Quality Assurance and Marketing in Food Processing Enterprises
231	12-02-91	Asia	Fertilizer Marketing Training Program
233	11-25-91	USA	Principles of Marketing
260	10-21-91	Africa	Forage Seed Marketing
284	09-30-91	Europe	Marketing of Agricultural and Food Products (Advanced)
402	08-05-91	USA	Fertilizer Marketing Management Training Program
480	07-08-91	USA	Vegetable Crop Production and Marketing (130-11)
509	07-02-91	USA	Marketing Management Program
535	06-30-91	USA	Use of Futures & Speculative Mkts. in Int'l Commodity Trading
543	06-24-91	USA	Agroindustrial Project Analysis (140-4)
586	06-10-91	USA	International Marketing Strategies
604	06-09-91	USA	Market Management and Strategic Planning for Agribusiness
609	06-03-91	USA	Grain Storage and Marketing
612	06-03-91	USA	Developing Markets for Agricultural Products (150-5)
624	06-03-91	USA	Developing Markets for Agricultural Products
640	05-27-91	Africa	Management Development Program (PC-48)
701	04-28-91	USA	Southeast Asia Food Executive Program

705	04-22-91	Africa	Agricultural Marketing
711	04-21-91	Europe	Developing Income Generating Enterprise
712	04-17-91	USA	Regulatory Compliance for the Food Industry
723	04-08-91	USA	U.S. Grain Marketing System Short Course
756	03-06-91	USA	Shrimp Processing and Marketing
759	03-04-91	Europe	Carcass and Meat Quality in Ruminants
784	01-20-91	USA	Processing and Marketing of Poultry and Poultry Products
822	10-28-90	Pakistan	Conference on Strategic Marketing
840	09-17-90	Europe	Maize Breeding, Prod., Processing & Mkt. in Mediterranean Countries
849	09-03-90	USA	Vegetable and Fruit Production and Marketing
857	08-25-90	Pakistan	Developing Marketing Skills
875	08-04-90	Pakistan	Marketing Appreciation for Production and Finance Executives
882	07-21-90	Pakistan	Introduction to Marketing Concepts
1044	01-08-90	USA	Dairy Marketing
1046	01-08-90	USA	Grain Marketing

MONITORING

237	11-18-91	USA	Theory & Appl. of Vadose Zone Monitoring, Sampling & Rem.
333	09-02-91	USA	Monitoring, Eval., Feedback & Mgmt. of Irrigated Agri. Systems
438	07-22-91	USA	Mng. Proj. Cycle: Microcomp. Tools for Proj. Analysis & Impl.
455	07-15-91	Europe	Monitoring and Evaluation of Public Sector Projects and Programs
457	07-15-91	Europe	Microcomputing Applications in Monitoring & Evaluation
461	07-15-91	USA	Remote Sensing & GIS for Monitoring & Managing Natural Res.
462	07-15-91	USA	Remote Sensing & GIS for Monitoring & Managing Natural Res.
481	07-08-91	USA	Project Monitoring and Evaluation
564	06-18-91	USA	Chemical Detection, Measurement and Monitoring
598	06-10-91	USA	Design of Water Quality Monitoring Networks
625	06-03-91	USA	Ground Water Monitoring and Sampling
802	01- -91	Europe	Managing Rural Dev. - Information Systems, Monitoring and Eval.
845	09-10-90	Europe	Microcomputing Applications in Monitoring and Evaluation
868	08-06-90	Asia	Monitoring and Evaluation of Projects and Programmes
928	06-04-90	Asia	Project Monitoring and Evaluation (MI 09)
1009	02-12-90	USA	Ident. Toxicity With Biomonitoring & Toxicity Reduction Eval.
1051	01-01-90	Europe	Design and Implementation of Monitoring and Evaluation

NATURAL RESOURCES

318	09-09-91	USA	Tools and Techniques for Natural Resource Evaluations
372	08-19-91	USA	Computer Appl. for Agri. and Natural Resource Mgmt.
374	08-19-91	USA	The Death of Nature: Ideas of Nature and the Environment
383	08-12-91	USA	Environmental Planning and Management
398	08-06-91	USA	Microcomputer Applications in Resource and Pest Management
429	07-29-91	USA	Risk Assessment Tech. for Resource Mgmt. and Disaster Reduction
461	07-15-91	USA	Remote Sensing & GIS for Monitoring & Managing Natural Res.
462	07-15-91	USA	Remote Sensing & GIS for Monitoring & Managing Natural Res.
487	07-08-91	USA	Conservation Biology
506	07-07-91	USA	Mgmt. for Natural Resources Dev. & Environmental Protection
532	07-01-91	USA	Tenure and Management of Natural Resources in Sub-Saharan Africa
548	06-24-91	USA	GRASS for Resource Analysis
560	06-18-91	Cent. America	Tropical River Ecology
580	06-13-91	South America	Buffer Zone Management for Neotropical Protected Areas
589	06-10-91	USA	Land Use Planning for Community Forestry and Natural Res. Dev.
594	06-10-91	USA	International Integrated Resource Management
601	06-10-91	USA	Land Use Planning for Community Forestry & Natural Res. Dev.
610	06-03-91	USA	Resource Development of Watershed Lands (120-8)
628	06-03-91	USA	Integrated Resource Development of Watershed Lands
649	05-20-91	USA	Macro-Policies and Management of State Oil and Mining Industries
651	05-20-91	USA	Macro-Policies and Management of State Oil and Mining Industries
692	05-00-91	India	Resource Management
715	04-15-91	South America	Mng. Trop. Natural Forests for Non-Timber Forest Prod. & Environ.
716	04-15-91	USA	Management for Biotic Diversity Workshop
808	12-17-90	USA	Computer Appl. for Agri. and Natural Resource Mgmt.
916	06-18-90	USA	Tenure and Management of Natural Resources in Sub-Saharan Africa
926	06-04-90	USA	Risk Assessment and Strategies for Reducing Hazards (IICE9006)
957	05-06-90	South America	Mobile Workshop on Buffer-Zone Management for Neotropical Protected Areas

NUTRITION

158	10-28-92	Netherlands	Food and Nutrition Programme Management
178	07-00-92	Europe	Legume Science for Developing Countries
218	01-13-92	Europe	Animal Feeding and Nutrition
221	01-06-92	Netherlands	Food Science and Nutrition
222	01-06-92	Netherlands	International Course on Food Science and Nutrition

553	06-24-91	North America	Food and Nutrition Planning
648	05-20-91	USA	Soybean Processing for Food Uses
652	05-20-91	Africa	Ruminant Nutrition and Feeding Systems
656	05-16-91	Europe	Ruminant Nutrition in the Tropics 9.12/91 TK75-231-91
667	05-13-91	Europe	Feeding Value of Mediterranean Forages and By-Products
776	02-04-91	Europe	Goat Production
946	05-14-90	Asia	Feed Technology
959	05-04-90	Asia	Feed Evaluation and Formulation for Dairy Animals
981	04-10-90	Europe	Animal Production and Nutrition
987	03-26-90	Africa	Food Crops Utilization and Nutrition
1011	02-05-90	USA	Swine Management and Production

ORGANIZATION

358	08-25-91	USA	Farmer Participation and Irrigation Organizations
641	05-27-91	USA	Organization and Management Development (140-14)
674	05-13-91	USA	Management of Public Sector Organizations
943	05-14-90	USA	Management of Government Organizations (140-23)

PASTURE

199	04-01-92	Australia	Tropical Pasture Seed Production
646	05-26-91	USA	Multiple Use Management of Arid Rangelands
794	01-03-91	Europe	Range Management
865	08-10-90	Europe	Nut. Aspects of Sheep Grazing & Feeding Under Nrthrn Cond.
869	08-06-90	USA	Watershed Interventions and Rehabilitation
1027	02-01-90	Australia	Tropical Agriculture

PERISHABLE

292	09-23-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 3
330	09-03-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 2
371	08-19-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 1
413	08-05-91	USA	Postharvest Loss of Reduction of Perishable Crops
853	08-27-90	USA	Postharvest Loss Reduction in Perishable Crops

PERSONNEL

269	10-07-91	Europe	Management of Consultants
295	09-23-91	Europe	Manpower Studies
367	08-21-91	USA	Leadership and Management Development
369	08-19-91	USA	Project Analysis Certificate Program
387	08-12-91	Asia	Advanced Management Program for Asia-Pacific Managers (MI 15)
408	08-05-91	USA	Management Analysis
426	07-29-91	USA	Management Development for Spanish and French Speakers
473	07-10-91	Europe	Development and Employment Management
538	06-26-91	Asia	Human Resource Management (MI 04)
542	06-24-91	USA	Cooperative Executive Development
717	04-15-91	Europe	Personnel Management
760	03-04-91	Asia	Management of Change and Conflict in Organizations (MI01)
807	12-22-90	Pakistan	How to Improve Morale, Motivation & Commitment
826	10-20-90	Pakistan	Human Relations
851	09-01-90	Europe	Management Skills for Rural Development

PEST

182	07-00-92	USA	Integrated Pest Management
201	03-24-92	Netherlands	Plant Protection (With Emphasis on IPM)
225	00-00-92	Asia	Weed Science
227	00-00-92	Asia	Integrated Pest Management
382	08-12-91	USA	Plant Quarantine (130-5)
398	08-06-91	USA	Microcomputer Applications in Resource and Pest Management
406	08-05-91	USA	Integrated Pest Mgmt.: Principles/Practices for Ext. & Farm Managers
414	08-05-91	USA	Integrated Pest Management: Research Issues and Applications of IPM
420	08-04-91	USA	Vertebrate Pest Problems and Solutions in Developing Countries
424	07-29-91	USA	Integrated Pest Management: Focus on Research Methodologies
451	07-15-91	USA	Nematology
483	07-08-91	USA	Integrated Pest Management (IPM): Principles and Practices
567	06-17-91	USA	Integrated Pest Management (130-8)
663	05-13-91	USA	Integrated Pest Management (IPM) Short Course
686	05-06-91	North America	Pesticide Safety (Including Application Technology)
755	03-06-91	USA	Tropical Plant Pest Quarantine
883	07-18-90	USA	Pest Management Systems
942	05-14-90	Africa	Root Crops Research and Technology Transfer
995	03-20-90	Asia	Pesticide Management Training Strategies
997	03-19-90	Asia	Sustainable Agriculture
998	03-19-90	Asia	Beekeeping for Beginners

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|------|----------|-----|--|
| 1003 | 03-12-90 | USA | Bionomics and Control of Rodents, Termites and Household Pests |
| 1013 | 02-05-90 | USA | Farm Insects |
| 1021 | 02-05-90 | USA | Weed Identification and Control |

PLANNING

- | | | | |
|------|----------|---------------|---|
| 179 | 07-00-92 | Europe | Agricultural Planning |
| 180 | 07-00-92 | Europe | Regional Land Use Planning |
| 181 | 07-00-92 | Europe | Long-Term Development Planning |
| 217 | 01-13-92 | Europe | Rural Research and Rural Policy |
| 251 | 10-28-91 | USA | Planning an Income and Expenditure Survey |
| 252 | 10-21-91 | USA | Strategic Management for Senior Officials |
| 297 | 09-23-91 | Europe | Planning and Appraisal of Agro-Industrial Projects |
| 303 | 09-16-91 | USA | Designing & Mng. Integrated Agri. & Rural Deve. Programs |
| 336 | 09-02-91 | Australia | Forestry Planning and Management |
| 383 | 08-12-91 | USA | Environmental Planning and Management |
| 439 | 07-22-91 | USA | Manpower Projections and Analysis for Planning and Development |
| 456 | 07-15-91 | Europe | Microcomp. & Information Technology for Planning & Dev. |
| 471 | 07-10-91 | USA | Communication Planning and Strategy |
| 546 | 06-24-91 | USA | Communication for Social Change |
| 553 | 06-24-91 | North America | Food and Nutrition Planning |
| 601 | 06-10-91 | USA | Land Use Planning for Community Forestry and Natural Res. Dev. |
| 615 | 06-03-91 | USA | Watershed & Soil Conserv. Survey & Planning Using Microcomp. |
| 632 | 06-02-91 | USA | Workshop on Policy, Planning and Strategies for Irrigated Agriculture |
| 688 | 05-05-91 | USA | On-Farm Irrigation Design and Evaluation |
| 691 | 05-00-91 | Europe | Rural Energy Planning and Environment |
| 697 | 04-29-91 | USA | Project Planning for Agriculture and Rural Development (140-15) |
| 714 | 04-15-91 | USA | Strategic Management of Non-Governmental Organizations |
| 725 | 04-06-91 | USA | Human Resource Management |
| 772 | 02-04-91 | Asia | Planning and Design of Small Scale Irrigation Projects (AWR 01) |
| 778 | 02-01-91 | Asia | Energy Planning: Special Program for Least Developed Countries |
| 818 | 11-10-90 | Pakistan | Goal Setting and Work Planning System |
| 838 | 09-24-90 | Europe | Rural Planning in Relation to the Environment - Advanced Course |
| 844 | 09-10-90 | Asia | Planning and Management of Training Programs |
| 914 | 06-18-90 | USA | Planning & Implementing Tech. & Vocational Training Prog. |
| 969 | 04-16-90 | Europe | Planning, Economics and Management of Fishing - Advanced Seminar |
| 1006 | 03-05-90 | USA | Regional, Sector and National Planning Seminar (ALT90-2101) |

PLANT PROTECTION

- | | | | |
|------|----------|---------------|---|
| 183 | 06-22-92 | USA | Plant Genetic Resource Conservation |
| 201 | 03-24-92 | Netherlands | Plant Protection (With Emphasis on IPM) |
| 227 | 00-00-92 | Asia | Integrated Pest Management |
| 404 | 08-05-91 | USA | Prod./Maintenance of Virus-Free Prop. Material of Temp. Fruit |
| 418 | 08-05-91 | North America | Weed Management |
| 424 | 07-29-91 | USA | Integrated Pest Management: Focus on Research Methodologies |
| 755 | 03-06-91 | USA | Tropical Plant Pest Quarantine |
| 835 | 10-00-90 | Asia | Biological Nitrogen Fixation Technology and Inoculant Utilization |
| 1021 | 02-05-90 | USA | Weed Identification and Control |

PLANT SCIENCE

- | | | | |
|-----|----------|---------------|--|
| 168 | 08-10-92 | USA | Computer Simulation for Crop Growth and Nutrient Management |
| 171 | 08-03-92 | Netherlands | Vegetable Production |
| 172 | 07-14-92 | USA | International Crop Science Congress |
| 178 | 07-00-92 | Europe | Legume Science for Developing Countries |
| 183 | 06-22-92 | USA | Plant Genetic Resource Conservation |
| 186 | 06-08-92 | Netherlands | Stage sur les Plants de Pommes de Terre |
| 190 | 05-18-92 | Netherlands | Glasshouse Crop Production |
| 195 | 04-14-92 | Netherlands | Potato: Production, Storage and Seed Technology |
| 196 | 04-08-92 | Netherlands | Seed Production and Seed Technology |
| 201 | 03-24-92 | Netherlands | Plant Protection (With Emphasis on IPM) |
| 204 | 03-15-92 | Netherlands | Applied Plant Breeding |
| 225 | 00-00-92 | Asia | Weed Science |
| 226 | 00-00-92 | Asia | Upland Rice Production (RP) |
| 227 | 00-00-92 | Asia | Integrated Pest Management |
| 261 | 10-20-91 | Africa | Symposium of the International Society for Tropical Root Crops |
| 264 | 10-14-91 | Europe | International Course in Soil and Plant Analysis |
| 307 | 09-16-91 | Europe | New Biometrical Tools for Plant Variety Evaluation |
| 313 | 09-10-91 | USA | International Conference on Energy From Sugarcane |
| 353 | 08-26-91 | North America | Export Market Requir. for Fruits, Vegetables, & Floriculture |
| 354 | 08-26-91 | Africa | Evaluation and Production of Forage Crops |
| 355 | 08-26-91 | Africa | Forage Crop Seed Production |
| 381 | 08-13-91 | USA | Computer Simulation of Crop Growth and Management Responses |
| 382 | 08-12-91 | USA | Plant Quarantine (130-5) |

401	08-05-91	USA	Postharvest Loss Reduction of Perishable Crops(150-7)
451	07-15-91	USA	Nematology
464	07-15-91	Netherlands	International Course on Plant Variety Research
480	07-08-91	USA	Vegetable Crop Production and Marketing (130-11)
484	07-08-91	USA	Weed Management Strategies
485	07-08-91	In-Country	Weed Management
558	06-18-91	South America	Ethnobotany: Uses of Plants by Native Peoples
635	06-00-91	Asia	Diploma in Agriculture
675	05-13-91	Africa	Forage Seed Quality Control
682	05-06-91	Asia	Engineering for Rice Agriculture
693	05-00-91	India	Production Agronomy
694	05-00-91	India	Legumes Improvement
695	05-00-91	India	Cereals Improvement
747	03-18-91	North America	Tropical Floriculture Production for Export
758	03-04-91	Asia	Rice Production (RP)
814	11-19-90	Africa	Plantain Research and Technology Transfer
828	10-15-90	Europe	Plant Breeding
834	10-01-90	USA	Intensive Gardening Extension Training
837	09-24-90	Africa	Maize Research and Technology Transfer - Phase I
853	08-27-90	USA	Postharvest Loss Reduction in Perishable Crops
907	06-25-90	Australia	Trees of Arid and Semi-Arid Australia
942	05-14-90	Africa	Root Crops Research and Technology Transfer
972	04-16-90	Asia	Plant Propagation and Nursery Management of Economic Plants
973	04-16-90	Asia	Propagation and Cultural Management of Selected Medicinal Plants
974	04-16-90	Asia	Black Pepper Production
975	04-16-90	Asia	Coffee Production and Processing
976	04-16-90	Asia	Tech. & Mgmt. for Eggplant, Tomato, Pepper and Watermelon Family
977	04-16-90	Asia	Vegetable Production (for Beginners)
984	04-02-90	Asia	Cacao Production and Processing
987	03-26-90	Africa	Food Crops Utilization and Nutrition
993	03-26-90	Asia	Serological Detection of Plant Viruses and Plant Pathogenic Bacteria
1005	03-05-90	USA	Tissue Culture Technologies and Laboratory Practices
1020	02-05-90	USA	Grain Crops Production and Management
1021	02-05-90	USA	Weed Identification and Control
1032	01-08-90	Africa	Advanced Soil and Plant Analysis Workshop

POLICY

177	07-00-92	Europe	Agricultural Policy Analysis
193	04-27-92	Europe	Statistics for Development Policy
217	01-13-92	Europe	Rural Research and Rural Policy
270	10-06-91	USA	Forest Administration and Management - 8th International Seminar
321	09-09-91	USA	Agricultural Policy Seminar
322	09-09-91	USA	Policy Issues Affecting Fertilizer Sector Dev. & Sustainable Agri.
335	09-02-91	Africa	Livestock Policy Analysis
383	08-12-91	USA	Environmental Planning and Management
504	07-07-91	USA	Summer Institute for African Agricultural Research
618	06-03-91	USA	Computer-Assisted Analysis of Food and Agricultural Policy
632	06-02-91	USA	Workshop on Policy, Planning and Strategies for Irrigated Agriculture
651	05-20-91	USA	Macro-Policies and Management of State Oil and Mining Industries
655	05-19-91	USA	Current Policy and Trade Issues in Agricultural Commodities
801	01-91	Europe	Agricultural Policy Analysis for Developing Countries
886	07-16-90	Europe	Agricultural Policy Analysis
913	06-18-90	USA	Women, Public Policy & Dev.: Utilizing Microcomputer D-Bases
931	06-04-90	USA	Agricultural Policy Seminar (140-1)
985	04-01-90	Africa	Food Policy Management

POSTHARVEST

186	06-08-92	Netherlands	Stage sur les Plants de Pommes de Terre
278	10-00-91	Europe	Postharvest Technology of Grain Crops
292	09-23-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 3
330	09-03-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 2
371	08-19-91	USA	Posthrvst Biology & Tech. of Horticultural Perishables - Mod. 1
401	08-05-91	USA	Postharvest Loss Reduction of Perishable Crops(150-7)
413	08-05-91	USA	Postharvest Loss of Reduction of Perishable Crops
420	08-04-91	USA	Vertebrate Pest Problems and Solutions in Developing Countries
514	07-01-91	USA	Prod., Posthrvst Physiology, Handling & Processing of Trop. Fruits
563	06-18-91	Asia	Symposium of Forest Harvesting in Southeast Asia
576	06-17-91	Asia	Forest Harvesting in Southeast Asia
853	08-27-90	USA	Postharvest Loss Reduction in Perishable Crops
862	08-13-90	USA	Postharvest Microbiology of Fruits and Vegetables
890	07-15-90	USA	Advances in Posthrvst Handling & Processing of Trop. Fruits & Veg.
891	07-15-90	USA	Adv. in Posthrvst Physiology, Handling & Processing of Trop. Fruit

932 06-04-90 USA Postharvest Information Management
 999 03-19-90 Asia Post Harvest Handling of Perishable Crops

POULTRY

298 09-22-91 USA Poultry Production
 659 05-13-91 USA Intensive Poultry Production Systems (TC #130-9)
 784 01-20-91 USA Processing and Marketing of Poultry and Poultry Products
 971 04-16-90 Asia Poultry Production
 1012 02-05-90 USA Poultry Management
 1048 01-08-90 USA Poultry and Swine Feeding

PRODUCTION

136 06-08-92 Netherlands Stage sur les Plants de Pommes de Terre
 200 03-26-92 Australia Feeding and Production of Dairy Cattle in the Tropics
 249 11-02-91 USA Swine Production
 285 09-29-91 USA Sheep and Goat Production
 298 09-22-91 USA Poultry Production
 365 08-22-91 Europe Ruminant Production in the Tropics 9.13/91 TK75-232-91
 514 07-01-91 USA Prod., Posthrvst Physiology, Handling & Processing of Trop. Fruits
 659 05-13-91 USA Intensive Poultry Production Systems (TC #130-9)
 689 05-05-91 North America Tropical Fruit Crop Production for Export
 767 02-17-91 USA Potential Crop Production From Irrigated and Dryland Agriculture
 825 10-22-90 USA International Goat Production Symposium
 1011 02-05-90 USA Swine Management and Production
 1012 02-05-90 USA Poultry Management
 1020 02-05-90 USA Grain Crops Production and Management

PROGRAM

303 09-16-91 USA Designing & Mng. Integrated Agri. & Rural Dev. Prog.
 343 08-26-91 USA Development and Operation of Agricultural Extension Programs
 347 08-26-91 USA Development and Operation of Agricultural Extension Programs 110-5
 455 07-15-91 Europe Monitoring and Evaluation of Public Sector Projects and Programs
 590 06-10-91 USA Strategies and Tools for Effective Program Management
 600 06-10-91 USA Strategies and Tools for Program Management
 660 05-13-91 USA Management of Small Enterprise Development Programs
 863 08-13-90 USA Research Methods and Program Evaluation
 919 06-11-90 USA Program Management (140-3)

PROJECT

160 09-28-92 Europe Management of Rural Projects and Their Evaluation
 209 03-00-92 Europe An Introduction to Project Management & Evaluation
 289 09-23-91 USA Project Management/Evaluation
 369 08-19-91 USA Project Analysis Certificate Program
 390 08-11-91 USA Project Management and Evaluation
 410 08-05-91 USA East Central United States Project Tour
 446 07-16-91 USA Project Implementation for Agriculture and Rural Development
 455 07-15-91 Europe Monitoring and Evaluation of Public Sector Projects and Programs
 481 07-08-91 USA Project Monitoring and Evaluation
 551 06-24-91 USA Agroindustrial Project Analysis
 611 06-03-91 USA Project Analysis for Agriculture and Rural Development (TC #140-2)
 697 04-29-91 USA Project Planning for Agriculture and Rural Development (140-15)
 798 01-02-91 USA Project Analysis With Microcomputer Applications
 848 09-03-90 Africa Agricultural Project Analysis and Management
 868 08-06-90 Asia Monitoring and Evaluation of Projects and Programmes
 880 07-23-90 USA Mgmt. of Agriculture Projects and Services in Rural Dev.
 905 07-02-90 USA Development Project Management Workshop
 927 06-04-90 Asia Project Management (MI 02)
 928 06-04-90 Asia Project Monitoring and Evaluation (MI 09)
 1006 03-05-90 USA Regional, Sector and National Planning Seminar (ALT90-2101)
 1029 01-22-90 Asia Project Implementation and Management Skills

REMOTE SENSING

265 10-08-91 USA Remote Sensing: a Tool for Soil Surveys and Resource Inventories
 282 09-30-91 USA Remote Sensing in Land Use Studies
 315 09-09-91 USA Basic Remote Sensing and Image Interpretation
 454 07-15-91 Asia Application of Remote Sensing and GIS in Tropical Rain Forest
 461 07-15-91 USA Remote Sensing & GIS for Monitoring & Managing Natural Res.
 462 07-15-91 USA Remote Sensing & GIS for Monitoring & Managing Natural Res.
 1026 02-04-90 Canada Geographic Information Systems for Integrated Land Use Planning

RESEARCH

162 09-15-92 Europe On Farm Trials Techniques

175	07-13-92	Netherlands	Research Extension Linkages
210	02-26-92	Australia	Transferring Tropical Dairy Research and Technology
217	01-13-92	Europe	Rural Research and Rural Policy
219	01-13-92	Netherlands	Development-Oriented Research in Agriculture
228	00-00-92	Asia	Statistical Procedures & Computer Applications in Agri. Res.
248	11-04-91	Africa	Livestock Research Methods
263	10-14-91	Africa	Agroforestry Research for Development
272	10-05-91	USA	Symposium - Association for Farming Systems Research-Extension
301	09-17-91	Europe	On Farm Trial Techniques
373	08-19-91	USA	Management Skills for Agricultural Research
414	08-05-91	USA	Integrated Pest Management: Research Issues and Applications of IPM
424	07-29-91	USA	Integrated Pest Management: Focus on Research Methodologies
436	07-22-91	Asia	Farming Systems Research/Extension Course
440	07-22-91	USA	Applied Research: Quantative Methods
465	07-15-91	Asia	Prospectus for Research Management Enhancement
482	07-08-91	USA	Methods of Applied Economic Research
488	07-08-91	USA	Farming Systems Approach to Research and Extension for Small Farms
489	07-08-91	USA	Developing, Writing and Marketing Research Proposals
498	07-08-91	USA	Experiment Station Operations Management
504	07-07-91	USA	Summer Institute for African Agricultural Research
516	07-01-91	USA	Introduction to Statistical Research Design
517	07-01-91	USA	Introduction to Survey Research
522	07-01-91	USA	Design of Evaluation Research
541	06-24-91	USA	Management of Agricultural Research (140-24)
574	06-17-91	Africa	Regional Conference on Agroforestry Research
620	06-03-91	USA	Irrigation Management Research Methodology
637	05-30-91	USA	Participatory Research and Communication for Development
814	11-19-90	Africa	Plantain Research and Technology Transfer
830	10-08-90	Africa	The Experimentation Phase Workshop
843	09-10-90	Africa	On-Farm Experimentation
863	08-13-90	USA	Research Methods and Program Evaluation
870	08-06-90	USA	Agricultural Research Management
877	07-31-90	USA	Participatory Approaches to Action Research
897	07-09-90	USA	Social Research Methods and Evaluation of Programs
934	05-23-90	USA	Agricultural Research Methodology (110-17)
942	05-14-90	Africa	Root Crops Research and Technology Transfer
1001	03-12-90	Africa	Alley Farming for Tropical Africa
1007	02-19-90	Africa	Research Farm Management
1008	02-19-90	Europe	Effective Communication of Research Findings
1025	02-05-90	Africa	The Diagnostic Phase Workshop

RHIZOBIUM

616	06-03-91	Asia	Modern Methods for the Study of Rhizobium
634	06-01-91	Asia	Legume Rhizobium Technology

RICE

226	00-00-92	Asia	Upland Rice Production (RP)
682	05-06-91	Asia	Engineering for Rice Agriculture
758	03-04-91	Asia	Rice Production (RP)
773	02-04-91	Asia	Genetic Evaluation and Utilization

RUMINANT

285	09-29-91	USA	Sheep and Goat Production
365	08-22-91	Europe	Ruminant Production in the Tropics 9.13/91 TK75-232-91
652	05-20-91	Africa	Ruminant Nutrition and Feeding Systems
656	05-16-91	Europe	Ruminant Nutrition in the Tropics 9.12/91 TK75-231-91
924	06-11-90	USA	Small Ruminant Production Techniques (TC# 130-10)

RURAL

159	10-00-92	Europe	Forestry for Rural Development
160	09-28-92	Europe	Management of Rural Projects and Their Evaluation
174	07-13-92	Netherlands	Management of Extension Programmes
175	07-13-92	Netherlands	Research Extension Linkages
184	06-15-92	Netherlands	Rural Extension
217	01-13-92	Europe	Rural Research and Rural Policy
236	11-18-91	Asia	Rural Finance and Farm Development 9.04/91 TK76-260-91
256	10-21-91	Asia	Rural Physical Infrastructure Development (RD 03)
262	10-14-91	Africa	Management of Rural Development
273	10-04-91	Europe	Farming Systems Development-9.05/91 TK76-264-91
290	09-23-91	Europe	Management of Agricultural and Rural Development
291	09-23-91	Europe	Management Development Programs for the Agricultural Sector
303	09-16-91	USA	Designing & Managing Integrated Agri. & Rural Dev. Prog.

332	09-02-91	Africa	Rural Credit Management
338	09-02-91	USA	Rural Extension Technique
347	08-26-91	USA	Development and Operation of Agricultural Extension Programs 110-5
363	08-23-91	Europe	Training in Rural Extension and Teaching
397	08-07-91	Europe	Rural Development Courses
400	08-05-91	USA	Training of Trainers for Agriculture and Rural Development (110-15)
431	07-29-91	USA	Rural Development and Resources
446	07-16-91	USA	Project Implementation for Agriculture and Rural Development
477	07-09-91	USA	Extension Methods for Reaching Smallholder Women Farmers
539	06-26-91	Europe	Rural Development Forestry
577	06-17-91	Africa	Rural Dairy Processing
585	06-10-91	USA	Communications & Media Strategies for Agriculture & Rural Dev.
597	06-10-91	USA	Project Management in Rural Development
603	06-10-91	USA	Rural Development Project Management
605	06-07-91	Europe	System-Oriented Management of Self-Help Organizations
611	06-03-91	USA	Project Analysis for Agriculture and Rural Development (TC #140-2)
676	05-12-91	USA	Keys to Agricultural and Rural Development at the Local Level
691	05-00-91	Europe	Rural Energy Planning and Environment
697	04-29-91	USA	Project Planning for Agriculture and Rural Development (140-15)
728	04-05-91	Europe	Promotion of Rural Development in the Tropics and Subtropics
790	01-07-91	Europe	Rural Extension for Foresters
802	01- -91	Europe	Managing Rural Dev. - Information Systems, Monitoring and Eval.
819	11-05-90	Asia	Training Methods
838	09-24-90	Europe	Rural Planning in Relation to the Environment - Advanced Course
859	08-20-90	Asia	Managing Rural Development (RD 01)
873	08-05-90	USA	Keys to Rural Development at the Local Level 140-32 Section 4
880	07-23-90	USA	Management of Agri. Projects and Services in Rural Dev.
927	06-04-90	Asia	Project Management (MI 02)
947	05-13-90	USA	Keys to Rural Development at the Local Level (140-32) Section 2
1022	02-05-90	USA	Farm Law
1023	02-05-90	USA	Rural Economic Issues
1042	01-08-90	USA	Trends and Issues in Rural Life

SEED

195	04-14-92	Netherlands	Potato: Production, Storage and Seed Technology
196	04-08-92	Netherlands	Seed Production and Seed Technology
199	04-01-92	Australia	Tropical Pasture Seed Production
260	10-21-91	Africa	Forage Seed Marketing
355	08-26-91	Africa	Forage Crop Seed Production
507	07-04-91	Europe	Seed Technology: Organization and Management of Seed Programs
627	06-03-91	USA	Seed Improvement
650	05-20-91	USA	Forest Nursery Prod. & Seedling Est. for Developing Countries
675	05-13-91	Africa	Forage Seed Quality Control
773	02-04-91	Asia	Genetic Evaluation and Utilization
840	09-17-90	Europe	Maize Breeding, Prod., Processing & Mkt. in Med. Countries
929	06-04-90	USA	Forest Tree Seed Technology
972	04-16-90	Asia	Plant Propagation and Nursery Management of Economic Plants

SHEEP

165	08-24-92	Australia	Sustaining Sheep Production in the Tropics
285	09-29-91	USA	Sheep and Goat Production
360	08-23-91	USA	Dairy Sheep Symposium
759	03-04-91	Europe	Carcass and Meat Quality in Ruminants
865	08-10-90	Europe	Nut. Aspects of Sheep Grazing and Feeding Under Northern Cond.
924	06-11-90	USA	Small Ruminant Production Techniques (TC# 130-10)
1036	01-08-90	USA	Sheep Management and Production

SOIL

166	08-19-92	Netherlands	Land Drainage
250	10-28-91	USA	Principles of Subsurface Contaminant Fate and Transport Modeling
264	10-14-91	Europe	International Course in Soil and Plant Analysis
265	10-08-91	USA	Remote Sensing: a Tool for Soil Surveys and Resource Inventories
325	09-04-91	USA	Soil Cons. & Mgmt. Study Tour of U.S. Mid-Western States
366	08-22-91	USA	Int'l Symp. on Soil Testing & Plant Analysis in the Global Comm.
378	08-18-91	USA	Soil and Water Conservation and Management
379	08-18-91	USA	2nd Conference on Agroforestry in North America
437	07-22-91	Asia	International Network on Sustainable Rice Farming Systems
494	07-08-91	USA	Design of Foundations on Expansive and Collapsing Soils
531	07-01-91	USA	Soil Testing, Soil Fertility Management and Conservation
561	06-18-91	USA	Microbial Processes in the Degradation of Ground Water Contaminants
615	06-03-91	USA	Watershed & Soil Conserv. Survey & Planning Using Microcomp.
630	06-02-91	Canada	Windbreaks and Agroforestry - 2nd International Symposium

730	04-01-91	USA	Windbreak Technology
766	02-18-91	USA	Sanitary Landfill Design
786	01-14-91	USA	Waste Geotechnics-Appl. of the Earth Sciences to Solve Waste Disp.
787	01-14-91	USA	Controlling Sediment From Construction Sites
887	07-16-90	USA	Applied Watershed Modeling
1000	03-19-90	Asia	Soil Fertility and Fertilizer Management
1016	02-05-90	USA	Advanced Soil Management
1032	01-08-90	Africa	Advanced Soil and Plant Analysis Workshop
1043	01-08-90	USA	Soil and Water Conservation

STATISTICS

193	04-27-92	Europe	Statistics for Development Policy
228	00-00-92	Asia	Statistical Procedures & Computer Appl. in Agricultural Res.
232	12-02-91	USA	Introduction to Microcomputers for Statisticians
240	11-12-91	USA	Management of Statistical Activities
254	10-21-91	USA	Construction and Analysis of Price Indexes
305	09-16-91	USA	Analysis of Labor Stat. for Policy Form. in the Human Res. Sector
316	09-09-91	USA	Basic Agricultural Survey Statistics and Methods Course
324	09-07-91	Africa	Survey Sampling in Developing Countries
327	09-04-91	USA	Economic Statistics
328	09-04-91	USA	Computer Processing and Information Systems
386	08-12-91	USA	Use of Economic Data in Collective Bargaining
411	08-05-91	USA	Statistics and Micro-Computers
415	08-05-91	USA	Conducting an Economic Census: a Case Study
440	07-22-91	USA	Applied Research: Quantitative Methods
456	07-15-91	Europe	Microcomputing & Information Tech. for Planning & Dev.
469	07-11-91	Europe	Statistics in Agriculture
472	07-10-91	Europe	Statistics for Livestock Studies
516	07-01-91	USA	Introduction to Statistical Research Design
517	07-01-91	USA	Introduction to Survey Research
518	07-01-91	USA	Methods of Survey Sampling
519	07-01-91	USA	Questionnaire Design
525	07-01-91	USA	Longitudinal Survey Design and Analysis
526	07-01-91	USA	Event History Design and Analysis
527	07-01-91	USA	Reducing Errors in Surveys
569	06-17-91	USA	Agricultural Statistics Short Course
592	06-10-91	USA	Labor Force Characteristics; Measurement of Employment
643	05-27-91	USA	Establishing Data Bases and Analytical Systems for Decisionmaking
708	04-22-91	USA	Economic Indicators
724	04-08-91	USA	Computer Packages for Users of Labor Statistics
842	09-10-90	USA	Basic Agricultural Survey Statistics and Methods (USDA TC 140-33)
854	08-26-90	USA	Computer Processing and Information Systems
855	08-26-90	USA	Survey and Census Methods
889	07-16-90	USA	Measurement of Productivity and Technological Change
896	07-09-90	USA	Integrated Microcomputer Processing System (IMPS)
933	05-28-90	USA	Establishing Data Bases and Analytical Systems for Decision Making

STORAGE

178	07-00-92	Europe	Legume Science for Developing Countries
186	06-08-92	Netherlands	Stage sur les Plants de Pommes de Terre
195	04-14-92	Netherlands	Potato: Production, Storage and Seed Technology
413	08-05-91	USA	Postharvest Loss of Reduction of Perishable Crops
493	07-08-91	USA	Water Storage Capacities - Theory and Design
609	06-03-91	USA	Grain Storage and Marketing
669	05-13-91	USA	Maintaining Grain Quality
723	04-08-91	USA	U.S. Grain Marketing System Short Course
744	03-18-91	USA	Liquid Storage Tank Installation
746	03-18-91	USA	Liquid Storage Tank Technology
762	02-25-91	USA	Underground Stor. Tank Mgmt., Leak Det. & Corrective Action
781	01-28-91	USA	Designing Facilities for the Stor. & Handling of Hazardous Mat.
999	03-19-90	Asia	Post Harvest Handling of Perishable Crops

SURVEY

251	10-28-91	USA	Planning an Income and Expenditure Survey
324	09-07-91	Africa	Survey Sampling in Developing Countries
326	09-04-91	USA	Sampling and Statistical Methods
327	09-04-91	USA	Economic Statistics
328	09-04-91	USA	Computer Processing and Information Systems
329	09-04-91	USA	Survey and Census Methods
376	08-19-91	USA	Eval. of Population & Housing Censuses: Post Enumeration Survey
415	08-05-91	USA	Conducting an Economic Census: a Case Study
466	07-15-91	USA	Automated Cartography for Censuses and Surveys

517	07-01-91	USA	Introduction to Survey Research
518	07-01-91	USA	Methods of Survey Sampling
519	07-01-91	USA	Questionnaire Design
520	07-01-91	USA	Analysis of Survey Data-I
521	07-01-91	USA	Computer Analysis of Survey Data
523	07-01-91	USA	Design of Telephone and Mail Surveys
524	07-01-91	USA	Cognitive Psychology and Survey Methods
525	07-01-91	USA	Longitudinal Survey Design and Analysis
527	07-01-91	USA	Reducing Errors in Surveys
699	04-29-91	USA	Measurement of Wages, Salaries, and Other Compensation
855	08-26-90	USA	Survey and Census Methods
856	08-26-90	USA	Population and Health Management Information Systems
933	05-28-90	USA	Establishing Data Bases and Analytical Systems for Decision Making

SUSTAINABLE

169	08-08-92	Netherlands	Fertilizer Use & Extension (Soil Fertility Mgmt for Sust. Agri.)
243	11-11-91	Europe	Sustainable Agriculture
272	10-05-91	USA	Symposium - Association for Farming Systems Research-Extension
322	09-09-91	USA	Policy Issues Affecting Fertilizer Sector Dev. and Sustainable Agri.
410	08-05-91	USA	East Central United States Project Tour
422	08-00-91	USA	Sustainable Development for the Third World
437	07-22-91	Asia	International Network on Sustainable Rice Farming Systems
500	07-08-91	Nigeria	International Conference on Tillage for Sustainable Crop Production
670	05-13-91	Morocco	Water for Sustainable Development in the 21st Century
672	05-13-91	USA	Sustainable Agriculture Utilizing a Systems Approach
702	04-26-91	Europe	Sustainable Development
770	02-10-91	Nepal	Developing a Sustainable World
831	10-07-90	Europe	Introduction to Ergonomics
912	06-18-90	Africa	Sustainable Food Production Systems
939	05-20-90	USA	Permaculture
988	03-26-90	Europe	Principles of Sustainable Agriculture
997	03-19-90	Asia	Sustainable Agriculture

SWINE

164	08-24-92	Netherlands	Pig Husbandry
249	11-02-91	USA	Swine Production
950	05-07-90	Asia	Swine Production
1011	02-05-90	USA	Swine Management and Production
1047	01-08-90	USA	Beef and Swine Breeding
1048	01-08-90	USA	Poultry and Swine Feeding

SYSTEMS

190	05-18-92	Netherlands	Glasshouse Crop Production
333	09-02-91	USA	Monitoring, Eval., Feedback & Mgmt. of Irrigated Agri. Systems
436	07-22-91	Asia	Farming Systems Research/Extension Course
488	07-08-91	USA	Farming Systems Approach to Research and Extension for Small Farms
629	06-02-91	USA	Planning, Policy and Strategies for Irrigated Agriculture
843	09-10-90	Africa	On-Farm Experimentation
870	08-06-90	USA	Agricultural Research Management
895	07-09-90	USA	Water Mgmt. & Runoff Farming Methods for Small-Scale Agri.
989	03-26-90	USA	Principles of Sustainable Agriculture
1001	03-12-90	Africa	Alley Farming for Tropical Africa
1007	02-19-90	Africa	Research Farm Management

TISSUE

966	04-23-90	Asia	Tissue Culture of Banana
1005	03-05-90	USA	Tissue Culture Technologies and Laboratory Practices

TOUR

409	08-05-91	USA	Study Tour of Irrigation Main Systems in the Western United States
447	07-16-91	North America	Tropical Marine Invertebrates
491	07-08-91	USA	Modern Irrigation System Management (CIIM No. 03)
570	06-17-91	USA	The American Experience
575	06-17-91	USA	International Extension Field School
596	06-10-91	USA	Irrigation and Water Management Systems
606	06-05-91	Asia	Fruits and Vegetables Farming - Study Trip (ST 03)
621	06-03-91	USA	Colorado Irrigation Study Tour (CIIM No. 1)
657	05-15-91	Asia	Aquaculture Development and Management - Study Trip (ST 04)
749	03-13-91	Asia	Small Scale Water Resources Development - Study Trip (ST 01)

TRAINING

173	07-13-92	Netherlands	Training for Trainers of Extension Workers
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185	06-11-92	Europe	Methods and Management of Practical Agricultural Training
246	11-04-91	Africa	Teaching Methods and Curriculum Development in Agroforestry
266	10-07-91	USA	Training of Trainers for Irrigation Management
277	10-01-91	Europe	Training Techniques for Scientists and Technologists
338	09-02-91	USA	Rural Extension Techniques
364	08-22-91	USA	Introduction to Midwest Agriculture
375	08-19-91	Africa	Teaching Materials in Agroforestry
391	08-11-91	USA	Training of Trainers and the Management of Training
397	08-07-91	Europe	Rural Development Courses
400	08-05-91	USA	Training of Trainers for Agriculture and Rural Development (110-15)
403	08-05-91	USA	Training and Consultation Skills for Int'l Human Resource Dev.
412	08-05-91	USA	Non-Formal Education, Literacy and Communication
450	07-16-91	USA	Managing International Technical Training Programs
554	06-23-91	USA	Facilitator Training Program
661	05-13-91	USA	Agroforestry and Training (170-5)
668	05-13-91	Asia	Computer Applications in Training and Education (ED 05)
681	05-06-91	USA	Training of Trainers
748	03-13-91	USA	Accelerated Training Workshop
774	02-04-91	Asia	Training and Technology Transfer
785	01-16-91	Asia	International Course for Rural Extension Trainers
799	01-01-91	Europe	Training of Trainers in the Field of Agriculture 9.16/91-TK77-290-91
806	00-00-91	USA	Technical Training Catalog (FY-91)
819	11-05-90	Asia	Training Methods
844	09-10-90	Asia	Planning and Management of Training Programs
860	08-19-90	USA	Training for Trainers
871	08-06-90	USA	Trainers of Trainers in Management Seminar (ALT90-3003)
885	07-16-90	Asia	Management of Training Centers (ED 03)
914	06-18-90	USA	Planning & Implem. Technical & Vocational Training Prog.
938	05-21-90	Asia	Sound-Slide Production
948	05-11-90	USA	Training of Trainers for Multicultural Groups
962	04-30-90	Asia	Production Techniques for Instructional Audio-Visual Aids
970	04-16-90	USA	Managing Training and Development in the 1990's
986	04-00-90	Europe	Train the Trainers Course on Beekeeping
994	03-26-90	USA	Trainers of Trainers Seminar (Women) (ALT90-3001)
1010	02-09-90	USA	Multicultural Management for the 1990's
1031	01-12-90	USA	Consulting Across Cultures
1052	00-00-90	Asia	Schedule of Short Courses

TROPICAL

156	04-00-94	Morocco	Donkeys, Mules and Horses in Tropical Agricultural Development
161	09-15-92	Europe	Extension for Women in Agriculture in the Tropics
165	08-24-92	Australia	Sustaining Sheep Production in the Tropics
198	04-06-92	Europe	Recent Advances & Current Concepts in Trop. Vet. Medicine
199	04-01-92	Australia	Tropical Pasture Seed Production
200	03-26-92	Australia	Feeding and Production of Dairy Cattle in the Tropics
210	02-26-92	Australia	Transferring Tropical Dairy Research and Technology
213	02-03-92	Australia	Artificial Insemination and Breeding Management for the Tropics
220	01-07-92	Netherlands	Data Handling for Tropical Fisheries Management
261	10-20-91	Africa	Symposium of the International Society for Tropical Root Crops
267	10-07-91	USA	Fertilizer Use Strategies for Sustainable Agriculture
280	10-00-91	Africa	The Use of Nitrogen Fixing Trees for Animal Production in the Tropics
300	09-17-91	Europe	Agricultural Extension Technology in the Tropics
301	09-17-91	Europe	On Farm Trial Techniques
362	08-23-91	Europe	Tropical Animal Production
365	08-22-91	Europe	Ruminant Production in the Tropics 9.13/91 TK75-232-91
434	07-24-91	South America	Tropical Ecology: The Dynamics of Deforestation (Introduction)
447	07-16-91	North America	Tropical Marine Invertebrates
454	07-15-91	Asia	Application of Remote Sensing and GIS in Tropical Rain Forest
470	07-11-91	Europe	Appropriate Strategies, System-Oriented Mgmt. & Planning Bases
510	07-02-91	Europe	Tropical Agroforestry
511	07-02-91	Europe	Tropical Forest Management
514	07-01-91	USA	Prod., Posthrvst Physiology, Handling & Processing of Trop. Fruits
529	07-01-91	Europe	Agricultural Extension Technology in the Tropics
537	06-28-91	Australia	Tropical Deforestation: Threats to Biological Diversity
559	06-18-91	Costa Rica	Tropical Cloud Forest Ecology
560	06-18-91	Cent. America	Tropical River Ecology
580	06-13-91	South America	Buffer Zone Management for Neotropical Protected Areas
606	06-05-91	Asia	Fruits and Vegetables Farming - Study Trip (ST 03)
656	05-16-91	Europe	Ruminant Nutrition in the Tropics 9.12/91 TK75-231-91
683	05-06-91	South America	Agroforestry: Sustainable Land Use for the Humid Tropics
689	05-05-91	North America	Tropical Fruit Crop Production for Export
715	04-15-91	South America	Mng. Trop. Natural Forests for Non-Timber Forest Prod. & Environ.

719	04-15-91	North America	Dev. & Mgmt. of Small & Medium-Sized Enterprise in the Caribbean
728	04-05-91	Europe	Promotion of Rural Development in the Tropics and Subtropics
738	03-25-91	North America	New Approaches for the Production of Onions for the Caribbean
747	03-18-91	North America	Tropical Floriculture Production for Export
755	03-06-91	USA	Tropical Plant Pest Quarantine
881	07-22-90	USA	Tropical Dairy Production Add-On
890	07-15-90	USA	Advances in Postharvest Handling & Processing of Tropical Fruits & Veg.
891	07-15-90	USA	Adv. in Postharvest Physiology, Handling & Processing of Trop. Fruit
957	05-06-90	South America	Mobile Wkshp on Buffer-Zone Mgmt. for Neotrop. Protected Areas
979	04-15-90	USA	Hemotropic Diseases of Food Animals
995	03-20-90	Asia	Pesticide Management Training Strategies
1027	02-01-90	Australia	Tropical Agriculture

VEGETABLE

171	08-03-92	Netherlands	Vegetable Production
353	08-26-91	North America	Export Market Requir. for Fruits, Veg. & Floriculture
480	07-08-91	USA	Vegetable Crop Production and Marketing (130-11)
528	07-01-91	USA	Irrigated Vegetable Production for Developing Countries
606	06-05-91	Asia	Fruits and Vegetables Farming - Study Trip (ST 03)
633	06-02-91	North America	Vegetative Propagation Tech. (Tissue Culture) for Fruit Crops
666	05-13-91	Asia	Integrated Farming System Management (AWR 08)
738	03-25-91	North America	New Approaches for the Production of Onions for the Caribbean
795	01-03-91	Europe	Fruit, Vegetables and Root Crops
849	09-03-90	USA	Vegetable and Fruit Production and Marketing
862	09-13-90	USA	Postharvest Microbiology of Fruits and Vegetables
976	04-16-90	Asia	Tech. & Mgmt. for Eggplant, Tomato, Pepper and Watermelon Family
977	04-16-90	Asia	Vegetable Production (for Beginners)
1033	01-08-90	USA	Vegetable Crops

VETERINARY

198	04-06-92	Europe	Recent Advances and Current Concepts in Trop. Vet. Medicine
207	03-00-92	Europe	Cattle Artificial Insem. II-Recent Advances in Reprod. Tech.
208	03-00-92	Europe	An Introduction to Veterinary Data Processing
395	08-08-91	Europe	Epidemiologic & Econ. Invest. in Planning for Animal Health Prog.
470	07-11-91	Europe	Appropriate Strategies. System-Oriented Mgmt. & Planning Bases
800	01-00-91	USA	Livestock Production and Veterinary Health Care
876	08-01-90	USA	Summer Veterinary Program for University Students
945	05-14-90	USA	Goat Management Practices

VIDEO

547	06-24-91	USA	Video Communication (II)
636	05-30-91	USA	Video Communication (I)
681	05-06-91	USA	Training of Trainers
833	10-01-90	Asia	Production Techniques for Extension Audio-Visual Aids
910	06-25-90	USA	Video Production II, Training and Development Applications
962	04-30-90	Asia	Production Techniques for Instructional Audio-Visual Aids

WASTE

212	02-03-92	Asia	Toxic and Hazardous Waste Management (EMT 05)
256	10-21-91	Asia	Rural Physical Infrastructure Development (RD 03)
288	09-25-91	USA	Madison Waste Conference: Municipal & Industrial Waste
293	09-23-91	Asia	Community Water Supply and Sanitation for Developing Countries
368	08-20-91	USA	Treatment Technology for Contaminated Ground Water
550	06-24-91	USA	Activated Sludge Process Control
562	06-18-91	USA	Hazardous Materials/Waste Manager Training Course
623	06-03-91	USA	Geotechnical Engineering for Waste Disposal
662	05-13-91	USA	Appropriate Tech. for Water Supply & Sanitation in Dev. Countries
713	04-17-91	USA	Managing Your Infectious and Hazardous Wastes
720	04-09-91	USA	Sanitary Landfill Leachate and Gas Management
721	04-08-91	USA	Reclaimed Municipal Wastewater for Irrigation
722	04-08-91	USA	Hazardous Waste Management: the Superfund Program
727	04-08-91	USA	Designing Wastewater Pumping Systems and Lift Stations
729	04-03-91	USA	Noncomplying Municipal Wastewater Treatment Plants
736	03-25-91	USA	Invest. & Remediation for Sites Contaminated With Hazardous Waste
743	03-20-91	USA	Managing Your Infectious and Hazardous Waste
745	03-18-91	USA	Asbestos Abatement
764	02-25-91	USA	Small Community Wastewater System Design
766	02-18-91	USA	Sanitary Landfill Design
769	02-11-91	USA	Upgrading Your Sanitary Sewer Maintenance Program
779	01-31-91	USA	Control of Air Toxics by Incineration and Other Proven Techniques
781	01-28-91	USA	Designing Facilities for the Stor. & Handling of Hazardous Mat.
786	01-14-91	USA	Waste Geotechnics-Appl. of the Earth Sciences to Solve Waste Disp.

816	11-12-90	USA	Water Treatment Plant Design
839	09-19-90	USA	13th Annual Madison Waste Conference
878	07-23-90	USA	Sanitary Landfill Design
1004	03-12-90	USA	Understanding Site Remediation
1009	02-12-90	USA	Identifying Toxicity With Biomonitoring and Toxicity Reduction Evaluations

WATER

166	08-19-92	Netherlands	Land Drainage
197	04-08-92	USA	Waterlogging and Salinity Technical Study Tour of U.S. Western States
203	03-22-92	USA	Waterlogging, Drainage and Salinity Control
223	01-05-92	USA	Applied Microcomputer Use in Irrigation and Drainage
237	11-18-91	USA	Theory & Appl. of Vadose Zone Monitoring, Sampling & Rem.
244	11-06-91	USA	Applied Drilling Engineering for Rotary and Auger Methods
250	10-28-91	USA	Principles of Subsurface Contaminant Fate and Transport Modeling
256	10-21-91	Asia	Rural Physical Infrastructure Development (RD 03)
257	10-21-91	Mexico	Efficient Water Use
258	10-21-91	USA	Innovative Ground Water Technologies for the 90's
266	10-07-91	USA	Training of Trainers for Irrigation Management
293	09-23-91	Asia	Community Water Supply and Sanitation for Developing Countries
308	09-16-91	USA	IBM PC Applications in Ground Water Pollution and Hydrology
314	09-09-91	Asia	Hydrometeorological Measurements and Data Analysis Techniques
345	08-26-91	Asia	Irrigation Water Management
368	08-20-91	USA	Treatment Technology for Contaminated Ground Water
384	08-12-91	USA	Design of Detention Reservoirs and Small Dams (IICE #9002)
389	08-12-91	USA	Wind and Solar Powered Water Pumping
396	08-07-91	Asia	Irrigation System Management - Seminar Program and Study Tour
448	07-16-91	USA	Corrective Action for Containing & Controlling Grnd Water Contam.
449	07-16-91	USA	Introduction to Ground Water Geochemistry
460	07-15-91	USA	Hydrometry
468	07-14-91	USA	On-Farm Water Management
491	07-08-91	USA	Modern Irrigation System Management (CIIM No. 03)
492	07-08-91	USA	Forecasting and Control of Water Resources Systems
493	07-08-91	USA	Water Storage Capacities - Theory and Design
512	07-01-91	Asia	Irrigation System Management (AWR 02)
513	07-01-91	Asia	Microcomputer Applications in Water Management (AWR 03)
515	07-01-91	USA	Microcomp. Applications in Irrigation Data & Project Mgmt.
555	06-21-91	USA	Environmental Site Assessments
556	06-19-91	USA	Theory & Appl. of Surface Geophysics to Ground Water Invest.
560	06-18-91	Cent. America	Tropical River Ecology
561	06-18-91	USA	Microbial Processes in the Degradation of Ground Water Contaminants
568	06-17-91	USA	Design and Management of Local Irrigation Organizations
579	06-16-91	USA	On-Farm Irrigation Scheduling
582	06-11-91	USA	Techniques of Hydrologic Investigations for International Participants
591	06-10-91	USA	Environmental Aspects of Canals and Streams
596	06-10-91	USA	Irrigation and Water Management Systems
598	06-10-91	USA	Design of Water Quality Monitoring Networks
599	06-10-91	USA	Extended Time Period Simulation of Water Distribution Systems
610	06-03-91	USA	Resource Development of Watershed Lands (120-8)
613	06-03-91	USA	Computer Simulation and Design of Water Distribution Systems
614	06-03-91	USA	Water Treatment Plant Design
615	06-03-91	USA	Watershed & Soil Conserv. Survey & Planning Using Microcomp.
625	06-03-91	USA	Ground Water Monitoring and Sampling
626	06-03-91	USA	Fundamentals of Ground Water and Well Technology
658	05-14-91	USA	Understanding and Applying Stormwater Management Techniques
662	05-13-91	USA	Appropriate Tech. for Water Supply & Sanitation in Dev. Countries
673	05-13-91	USA	Conference on Aquifer Restoration, Ground Water Monitoring
678	05-08-91	Europe	Management of Irrigation Projects-TK77-291-91
680	05-07-91	USA	Principles of Ground Water Hydrology
685	05-06-91	USA	Practical Pipeline Design and Construction
704	04-24-91	USA	Geologic Modeling of Dep. Environ. & Appl. to Ground Water
707	04-22-91	Europe	Agricultural Water Management
718	04-15-91	USA	Modflow for Simulation of Ground Water Flow and Advective Transport
721	04-08-91	USA	Reclaimed Municipal Wastewater for Irrigation
727	04-08-91	USA	Designing Wastewater Pumping Systems and Lift Stations
729	04-03-91	USA	Noncomplying Municipal Wastewater Treatment Plants
731	04-01-91	USA	Coastal Zone Management
734	03-25-91	USA	Analysis and Design of Aquifer Tests
737	03-25-91	USA	Applying Computer Programming to Unsteady Stream Flow
742	03-21-91	USA	Introduction to Ground Water Modeling
750	03-12-91	USA	Appl. of Environ. Isotopes to Practical Ground Water Studies
757	03-04-91	USA	Basic Groundwater Hydrology

- 763 02-25-91 USA Mathematical Modeling of Lake and Reservoir Water Quality
772 02-04-91 Asia Planning and Design of Small Scale Irrigation Projects (AWR 01)
775 02-04-91 Asia Irrigation Project Rehabilitation and Management
777 02-04-91 USA Water Resources Analysis Using GIS
782 01-28-91 USA Effective Application of Automated Systems for Processing Water
783 01-22-91 USA Application of Borehole Geophysics to Ground Water & Waste Disposal
786 01-14-91 USA Waste Geotechnics-Appl. of the Earth Sciences to Solve Waste Disp.
788 01-10-91 USA Water Loss Reduction and Meter Application Sizing
791 01-07-91 USA Water Distribution System Analysis and Design
811 12-06-90 USA Groundwater Flow Through Fractured Media
812 12-03-90 USA Groundwater Flow and Well Hydraulics
847 09-03-90 Asia On-Farm Water Management
867 08-06-90 Asia Rehabilitation of Large Scale Irrigation Systems
874 08-05-90 USA Seminar on Hydrology and Water Management of the Amazon Basin
887 07-16-90 USA Applied Watershed Modeling
888 07-16-90 USA Small Scale Irrigation and Water Management
895 07-09-90 USA Water Mgmt. & Runoff Farming Methods for Small-Scale Agri.
898 07-09-90 USA Small Scale Irrigation and Water Management
901 07-09-90 USA Construction Management Practices for Water Resources Facilities
908 06-25-90 USA Design of Drip Irrigation Systems
920 06-11-90 USA Problems and Practices of Irrigation Systems (120-1)
923 06-11-90 USA Operation of Hydraulic Structures (IICE #9007)
983 04-02-90 Asia Groundwater Resource Evaluation and Management
996 03-19-90 Africa Management of Irrigation Projects

WATER MANAGEMENT

- 432 07-29-91 USA Management of Contaminated Groundwater and Aquifer Restoration
588 06-10-91 USA Slow Sand Diatomaceous Earth Filtration Design (IICE #9011)
628 06-03-91 USA Integrated Resource Development of Watershed Lands
749 03-13-91 Asia Small Scale Water Resources Development - Study Trip (ST 01)

WATER TREATMENT

- 588 06-10-91 USA Slow Sand Diatomaceous Earth Filtration Design (IICE #9011)
815 11-12-90 USA Effective Techniques for Contaminated Groundwater Treatment
816 11-12-90 USA Water Treatment Plant Design

WEED

- 484 07-08-91 USA Weed Management Strategies
485 07-08-91 In-Country Weed Management

WILDLIFE

- 310 09-10-91 Africa Wildlife Ecology and Management
379 08-18-91 USA 2nd Conference on Agroforestry in North America
393 08-11-91 USA Conference of Wildlife Disease Association
536 06-28-91 Australia Biogeography: Patterns of Ecological Diversity
557 06-18-91 Africa Wildlife Management
571 06-17-91 Kenya Studies in Symbiosis: Humans Guide and Honeyguides
909 06-25-90 USA Training Program for Southeast Asia Wildlife Preserve Managers
949 05-07-90 USA Wildlife Habitat Management
1035 01-08-90 USA Wildlife Management

WOMEN

- 161 09-15-92 Europe Extension for Women in Agriculture in the Tropics
259 10-21-91 Europe Women, Extension Workers and Agriculture
276 10-01-91 Europe Agricultural Extension for Women in the Tropics
397 08-07-91 Europe Rural Development Courses
407 08-05-91 USA Women and Work: What Difference Does Gender Make?
477 07-09-91 USA Extension Methods for Reaching Smallholder Women Farmers
486 07-08-91 USA Starting and Managing a Business in Your Community (for Women)
647 05-25-91 USA Management Roles for Women in Development
698 04-29-91 USA Management Skills for Women in Developing Countries
703 04-25-91 Europe Women and Agricultural Development
797 01-03-91 Europe Women, Men and Development
913 06-18-90 USA Women, Public Policy & Dev.: Utilizing Microcomputer D-bases
940 05-20-90 USA Women in Livestock Development
986 04-00-90 Europe Train the Trainers Course on Beekeeping
994 03-26-90 USA Trainers of Trainers Seminar (Women) (ALT90-3001)

COURSE DESCRIPTIONS

ADDENDA

These courses are not included in the index or the agency list.

Leadership and Communication in Agricultural Institutions

Winrock International

Morrilton, Arkansas , USA

Begins 00/00/00 Training Unit
Deadline 00/00/00 Route 3 Box 376
Duration 1 Week Petit Jean Mountain
Language E Morrilton, AR 72110 , USA
Fees 1,200 US\$; inclusive of room and board based on double occupancy

Phone 501-727-5435
Fax 501-727-5242
Telex 910-720-6616 WI HQ UD

Participants will: identify, demonstrate, and practice leadership skills they may use effectively in any situation; analyze organizational structures, relationships, channels, and individuals, as systems of communication, decisionmaking and implementation; plan and develop communication strategies to achieve specific objectives, and to select the most appropriate methods and media of communication; observe, listen, ask questions, and lead discussions; plan and conduct effective programs for teaching the principles and methods of a specific science or discipline; communicate with colleagues about what one has learned and experienced; mobilize staff members into effective teams for solving problems, developing consensus, and taking action; identify specific roles in research or other projects and to prepare for effective performance in a chosen or assigned role; demonstrate objectivity with respect to conceptual, analytical, and synthesizing skills in identifying, planning, and implementing a research project or program; demonstrate commitment to and acceptance of personal responsibility for achieving excellence in carrying out professional tasks in the home work organization.

Keywords COMMUNICATION, LEADERSHIP, HUMAN RESOURCES

Planning and Collaboration in Agricultural Research

Winrock International

Morrilton, Arkansas , USA

Begins 00/00/00 Training Unit
Deadline 00/00/00 Route 3 Box 376
Duration 1 Week Petit Jean Mountain
Language E Morrilton, AR 72110 , USA
Fees 1,200 US\$; inclusive of room and board based on double occupancy

Phone 501-727-5435
Fax 501-727-5242
Telex 910-720-6616 WI HQ UD

Participants will: describe and compare different methods of identifying potential research problems; outline the sequence of steps necessary in planning and initiating a research project; identify other disciplinary interests in a given research project and enlist the cooperation of other scientists in planning an interdisciplinary approach; identify and solicit issues (technology, economic, ethics, equity) associated with a proposed research project; take into account the possible consequences - intended and unintended, positive and negative - of pursuing a particular line of research; recognize and accept the professional and personal responsibility for planning and initiating research; identify and mobilize sources of assistance and collaboration in the public and private sectors; communicate effectively with other scientists regardless of their discipline.

Keywords PLANNING, HUMAN RESOURCES, RESEARCH

Short Term Training Courses in Agroforestry

University of the Philippines

Los Banos, Philippines , Asia

Begins 00/00/00 Program Director, College of Forestry Admin. Bldg.
Deadline 00/00/00 University of the Philippines
Duration
Language E Los Banos, Philippines 4031 , Asia
Fees not available

Phone 2657
Fax
Telex

Courses: Seed Technology and Nursery Management - Provides adequate knowledge on applicable technologies for production of inexpensive high quality and sufficient planting materials as well as effective nursery management for agroforestry development (2 weeks - 02/24/91); Integrated Pest Management - Covers concepts, principles and practices of IPM including familiarization with major agroforestry pests, their biology, ecology and control tactics (1 week - 03/17/91); Agroforestry Production and Post-Production Systems (APPS) - Deals with how to's of establishing appropriate agroforestry system and technologies for post-production (3 weeks - 03/31/91); Soil and Water Conservation and Management - Deals with cost-effective soil and water conservation measures and management appropriate for sustainable agroforestry production (2 weeks - 03/29/91); Technology Verification Through On-Farm Trials - Focuses on processes involved in technology development and on-farm evaluation and verification of agroforestry technologies (1 week - 05/19/91).

Keywords CATALOG, AGROFORESTRY

Fisheries Information

1

International Center for Living Aquatic Resources Management

Metro Manila, Philippines , Asia

Begins 00/00/00 Director General, ICLARM
Deadline 00/00/00 Int'l Center For Living Aquatic Resources Mngmnt
Duration 04 Weeks MCC P.O. Box 1501
Language E Makati, Metro Manila, Philippines , Asia
Fees 1,000 US\$; per trainee

Phone 818-0466/9293
Fax
Telex ITT 45658 ICLARM PM; MANILA

Can be arranged for groups of 2 to 4 trainees. Includes: publication course; librarianship course; data acquisition; communications media (and related topics).

Keywords AQUACULTURE, FISH

Modern Surface Irrigation Design and Management

2

Colorado State University-CIIM

Fort Collins, Colorado , USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 3 Weeks Colorado State University
Language E Fort Collins, CO 80523 , USA
Fees 3,000 US\$; exclusive of room and board

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Provides understanding of soil and water engineering principles necessary for successful implementation of surface systems. Including: system selection; system hydraulics; system design and specification; evaluation and management. Oriented to senior level professionals involved in design, planning, implementation, and management. Cost and dates negotiable. Course offered upon request.

Keywords IRRIGATION, WATER MANAGEMENT, ENGINEERING

Flow Regulation and Measurement in Irrigation Systems

3

Colorado State University-CIIM

Fort Collins, Colorado , USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 4 Weeks Colorado State University
Language E Fort Collins, CO 80523 , USA
Fees 3,500 US\$; exclusive of board and room

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Teaches: 1) principles of hydraulic control and application in discharge measurement and regulation of surface systems; 2) purposes and need for water control; 3) hydraulics control concept; 4) regulation of discharge and water level; 5) automation and data management using microcomputers. Designed for agricultural, civil or irrigation engineers involved in design and management. Course offered upon request.

Keywords IRRIGATION, WATER MANAGEMENT, ENGINEERING

Water Users Associations in Irrigation Management

4

Colorado State University-CIIM

Fort Collins, Colorado , USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 3 Weeks Colorado State University
Language E Fort Collins, CO 80523 , USA
Fees 3,000 US\$; exclusive of room and board

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Primary focus given to ways and means of working with and organizing water users. Course will examine: goals; objectives; strategies; institutional alternatives and approaches in organizing water users associations; determine legal, social, economic and technical requirements and approaches in implementing or improving such organizations. Successful approaches will be evaluated and selected case studies plus field visits will be used in this course. Course offered upon request.

Keywords IRRIGATION, WATER, WATER MANAGEMENT

Soil Survey Technologist Course

5

International Institute for Aerospace Survey and Earth Sciences

Enschede, Netherlands , Europe

Begins 00/00/00 ITC - Soils Division
Deadline 00/00/00 P. O. Box 6
Duration 3 Months
Language E 7500 AA Enschede, The Netherlands , Europe
Fees 150,000 British pounds

Phone 053-874444
Fax 05-387-4400
Telex

This course is given in host country. Negotiable dates. Includes: elementary photogrammetry and aerial photography (short introduction on geometrical properties and handling of photographs under stereoscope); general pedology (description of factors and processes that play a role in development of soils); physiography and soils (relationship that exists between landscape and distribution of soils); aerial photo interpretation in soil survey; soil morphology and classification.

Keywords PLANT SCIENCE, SOIL, SURVEY

Mircen Course			6
Commonwealth Agricultural Bureaux International			Kew, United Kingdom , Europe
Begins	11/28/00	Head	Phone 0491-32111
Deadline	11/28/00	CAB International Development Services	Fax
Duration	1 Week	Farnham House	Telex 847964 COMAGG G
Language		Farnham Royal, Slough SL2 3BN , UK	
Fees	not available		
Biodeterioration of materials, with emphasis on cultural properties and on problems encountered in museums and library.			
Keywords INFORMATION			
Plant Quarantine			7
Commonwealth Agricultural Bureaux International			Trinidad , Caribbean
Begins	00/00/00	Head	Phone 0491-32111
Deadline	00/00/00	CAB International Development Services	Fax
Duration	4 Weeks	Farnham House	Telex 847964 COMAGG G
Language		Farnham Royal, Slough SL2 3BN , UK	
Fees	not available		
Covers the main technical elements of plant quarantine procedure with special reference to the Caribbean and adjacent regions.			
Keywords DISEASE, PLANT SCIENCE			
Private Enterprise Development/New Venture Creation			8
California State Polytechnic University			Pomona, California , USA
Begins	00/00/00	Dr. Richard F. Pedersen, Director	Phone 714-869-3336
Deadline	00/00/00	International Center	Fax 714-869-3282
Duration		3801 West Temple Avenue	Telex 9105811478
Language	E	Pomona, CA 91768 , USA	
Fees	not available		
Course available on request. This program provides an interdisciplinary study and application of the general steps involved in preparing a preliminary venture feasibility analysis and initiating a small business.			
Keywords ENTERPRISE, BUSINESS			
Management Training in Health and Nutrition Planning			9
California State Polytechnic University			Pomona, California , USA
Begins	00/00/00	Dr. Richard F. Pedersen, Director	Phone 714-869-3336
Deadline	00/00/00	International Center	Fax 714-869-3282
Duration		3801 West Temple Avenue	Telex 9105811478
Language	E	Pomona, CA 91768 , USA	
Fees	not available		
Course available on request. This training program emphasizes the multifaceted and interdependent disciplines of health, nutrition (food consumption) and agriculture (food production, handling and storage). A systems approach is emphasized in planning, management and problem solving.			
Keywords NUTRITION, AGRICULTURE			
English for Special Purposes			10
California State Polytechnic University			Pomona, California , USA
Begins	00/00/00	Dr. Richard F. Pedersen, Director	Phone 714-869-3336
Deadline	00/00/00	International Center	Fax 714-869-3282
Duration		3801 West Temple Avenue	Telex 9105811478
Language	E	Pomona, CA 91768 , USA	
Fees	650 US\$; tuition only		
Course available on request. Special programs may be arranged for business English, English for science and technology, TOEFL preparation, remedial English, English in the classroom and English for secretaries.			
Keywords LANGUAGE, ENGLISH			
Waste Composting (Correspondence Course) A-184			11
University of Wisconsin			Madison, Wisconsin , USA
Begins	00/00/00	Phil O'Leary, Dept. of Engineering Prof. Dev.	Phone 603-262-0493
Deadline	00/00/00	432 North Lake Street	Fax
Duration		University of Wisconsin	Telex
Language	E	Madison, Wisconsin 53706 , USA	
Fees	83 US\$; course fee		
Topics: scientific principles of composting; composting municipal solid wastes; composting yard wastes; yard waste collection alternatives; developing a composting project; integrating composting with alternate techniques; operating a successful facility; and markets for compost. Materials include: extended reference list, answers to homework questions, and series of fact sheets with more data and checklists on specific topics. Two open book tests.			
Keywords WASTE			

Applications in Irrigated and Agricultural Farming Systems

12

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 4 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 3,500 US\$

Phone 303-491-2293
Fax
Telex 9109309011 CSU CID FTCN

Designed for professionals responsible for research, planning and managing irrigation and agricultural farming systems. Includes: instruction in fundamental concepts; properties of satellite and other digital images; ground investigation procedures and GSI utilization. Exercises and case studies will include data and images from Asia, Africa, Latin America and the Western USA. Applications in classification, identification of salinity, water, pest and disease constraints. Course offered upon request.
Keywords IRRIGATION, SYSTEMS

Water Quality Management: Modelling and Monitoring

13

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 00/00/00 The Director
Deadline 00/00/00 GPO Box 2754
Duration 6 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees not available

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Focus on systems approach to management of rivers and lakes: the component parts, problems, planning and management strategies; review basic materials including differential calculus, differential equations, vector-matrix algebra; modelling, data collection, time-series analysis and microcomputer exercises. For engineers.
Keywords COMPUTER, WATER, WATER MANAGEMENT, DATA

Rural Development and Project Planning

14

Australian National University

Canberra, Australia

Begins 00/00/00 Dr. Barry Shaw
Deadline 00/00/00 Australia Trees Short Course
Duration P. O. Box 4 GPO, Australian National University
Language E Canberra, Australia, Australia
Fees not available

Phone
Fax
Telex

Given in numerous locations, including Australia, as requests and demand dictate. For senior to middle-level professionals in Asia and Pacific.
Keywords PLANNING, RURAL, PROJECT

Embryo Transfer Technology (Bovine)

15

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 2 Weeks Kansas State University
Language E Manhattan, KS 66506, USA
Fees 2,500 US\$; inclusive of room and board, materials, in-program trans.

Phone 913-532-6533
Fax 913-532-7059
Telex

Course will increase participants' knowledge and skills in embryo transfer and learn proper techniques in non-surgical embryo transfer. Lectures include: recipient and donor management; superovulation and collection procedures; collection and storage media; embryo evaluation and freezing. Students will participate in wet labs on collection, embryo handling and evaluation and freezing. Course offered upon request.
Keywords ANIMAL SCIENCE, GENETIC, BREEDING

Artificial Insemination

16

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 1 Week Kansas State University
Language E Manhattan, KS 66506, USA
Fees 600 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Course will include: gross anatomy of reproductive tract; re-productive functions; insemination practice; proper handling of frozen semen. Related topics: heat detection; sire selection (beef and dairy); nutrition and estrous control. Will acquaint students with methods of collecting and freezing semen. Course offered upon request.
Keywords ANIMAL SCIENCE, CATTLE, BREEDING

Dairy Foods Processing

17

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 3 Weeks Kansas State University
Language E Manhattan, KS 66506, USA
Fees 3,070 US\$; includes room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Designed to: increase knowledge and skill in chemistry of milk and functional properties of component parts; microbiology of milk and milk products; milk plant operation; quality assurance; cleaning and sanitizing dairy equipment; sanitation. For technical officers, extension specialists or government/crop personnel. Courses held in summer months or upon request.

Keywords DAIRY, FOOD SCIENCE**Beef Cow Herd Management**

18

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 3 Weeks Kansas State University
Language E/(S/F TRANS) Manhattan, KS 66506, USA
Fees 3,070 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Designed to: increase knowledge and skills in cattle breeding, nutrition, reproduction, disease prevention and control; develop an understanding of new and alternative techniques of cow management. Can be taught overseas by arrangement. For technical officers, extension specialists and others that are involved in beef cow management. Course offered upon request.

Keywords ANIMAL SCIENCE, CATTLE**Cattle Feedlot Feeding**

19

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 4 Weeks Kansas State University
Language E/(TRANS) Manhattan, KS 66506, USA
Fees 3,750 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Designed to increase knowledge and skills about development of feedlots including design, layout and construction. Includes discussions on animal husbandry aspects of cattle feeding and marketing. Target audience: tech officers, extension specialists and others that are involved in the development of feedlot facilities and management. Course offered upon request.

Keywords FEED, CATTLE, ANIMAL SCIENCE**Swine Management**

20

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 3 Weeks Kansas State University
Language E/(TRANS) Manhattan, KS 66506, USA
Fees 3,200 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Includes discussions, lectures and field trips illustrating swine management, breeding and reproduction, nutrition and disease prevention. Focuses on how swine production can be used to improve production potential and increase farm family income. Both large and small enterprises will be discussed. For technical officers, extensionists and others in swine production. Course offered upon request.

Keywords SWINE, ANIMAL SCIENCE**Food Processing and Preservation**

21

Kansas State University

Manhattan, Kansas, USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 2 Weeks Kansas State University
Language E/(TRANS) Manhattan, KS 66506, USA
Fees 2,140 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Topics include: cause of food spoilage; plant and food sanitation; preservation by cold, heat, dehydration, irradiation, chemicals; unit processing; packaging; additives and regulations; contrast waste disposal and utilization; and discuss quality control and how it contributes to proper food processing and preservation. Target audience: technical officers, corporate and/or government personnel and others involved with food and/or meat products. Course offered upon request.

Keywords FOOD SCIENCE, POSTHARVEST

Forage Conservation and Feeding Systems

22

Kansas State University

Manhattan, Kansas , USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 2 Weeks Kansas State University
Language E Manhattan, KS 66506 , USA
Fees 2,040 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Will focus on how to efficiently harvest, store and utilize forages as silage or hay. Will include: principles of silage fermentation; hay preservation; choice of equipment and facilities; determination of forage quality; beef and dairy cattle ration formulation. Silage and hay management techniques for both temperate and tropical forages will be presented. Course offered upon request.
Keywords CATTLE, FEED, PASTURE, FORAGE

Meat Evaluation and Specifications

23

Kansas State University

Manhattan, Kansas , USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 3 Weeks Kansas State University
Language E Manhattan, KS 66506 , USA
Fees 3,070 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

Focus on U.S. beef, pork and lamb packing industry. Course content stresses development of a working understanding of USDA livestock grading systems. Will include U.S. packing industry fabrication procedures and USDA IMP (International Meat Purchase) specifications. For technical officers, corporate and government agricultural personnel and others. Course offered upon request.
Keywords ANIMAL SCIENCE, FOOD SCIENCE

Dairy Cattle Management

24

Kansas State University

Manhattan, Kansas , USA

Begins 00/00/00 Dr. Bill Able
Deadline 00/00/00 Weber Hall
Duration 3 Weeks Kansas State University
Language E Manhattan, KS 66506 , USA
Fees 3,070 US\$; including room and board, materials, in-program transport

Phone 913-532-6533
Fax 913-532-7059
Telex

To provide student with working knowledge of modern dairy production unit. Principles of dairy breeding, reproduction, nutrition, herd health, sanitation, facilities planning, milking management and cow behavior will be taught using a lecture-laboratory experience approach. Target Audience: technical officers; extension specialists; workers; others directly involved in dairy production programs. Course offered in summer months or upon request.
Keywords ANIMAL SCIENCE, DAIRY, CATTLE

Practical Water Resources Systems Analysis

25

Colorado State University

Fort Collins, Colorado , USA

Begins 00/00/00
Deadline 00/00/00 IICE
Duration 2 Weeks
Language E Fort Collins, CO 80523 , USA
Fees not available

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Practical applications of systems analysis methodologies for planning, design and operation of water resource systems. Concepts of simulation, optimization, expert systems and decision analysis techniques using examples of their applications for water resources problems. Emphasis more on how systems analysis techniques can enhance water resources management in practical sense, than on math details of how techniques work. Course offered upon request.
Keywords IRRIGATION, WATER, MANAGEMENT

Agricultural Project Planning

26

University of Bradford

Bradford, West Yorkshire, UK , Europe

Begins 00/00/00 Prof. J. D. MacArthur, Head of Department
Deadline 00/00/00 Development and Project Planning Centre
Duration 12 Weeks Bradford University
Language E Bradford, West Yorkshire BD7 1DP, UK , Europe
Fees not available

Phone 0274-733466
Fax 44-274-726918
Telex 51309 UNIBFD G

Aims to enhance institutional and national capabilities by following the development process through various phases of project planning. After introduction, the course covers areas of project identification, preparation, appraisal, project organization, and management, implementation, monitoring and evaluation.
Keywords PLANNING, MANAGEMENT, PROJECT

Agricultural and Rural Project Management University of Bradford		Bradford, West Yorkshire, UK , Europe	27
Begins	00/00/00	Prof. J. D. MacArthur, Head of Department	Phone 0274-733466
Deadline	00/00/00	Development and Project Planning Centre	Fax 44-274-726918
Duration	12 Weeks	Bradford University	Telex 51309 UNIBFD G
Language	E	Bradford, West Yorkshire BD7 1DP, UK , Europe	
Fees	not available		
Course directed towards senior and middle-level members of project management teams and examines management role in wide range of projects. Keywords MANAGEMENT, RURAL, PROJECT			
Planning and Appraisal of Rural Development Projects University of Bradford		Bradford, West Yorkshire, UK , Europe	28
Begins	00/00/00	Prof. J. D. MacArthur, Head of Department	Phone 0274-733466
Deadline	00/00/00	Development and Project Planning Centre	Fax 44-274-726918
Duration	12 Weeks	Bradford University	Telex 51309 UNIBFD G
Language	E	Bradford, West Yorkshire BD7 1DP, UK , Europe	
Fees	Not available		
Emphasis is on decentralized investment: small-scale, spatially scattered and labor-intensive projects and programs; where popular participation and local initiative are important. Keywords PLANNING, ANALYSIS, PROJECT			
Management in Higher Education Institutions University of Manchester		Manchester, United Kingdom , Europe	29
Begins	00/00/00	Prof. Paul Mosley, Head	Phone 061-275-2800
Deadline	00/00/00	Institute for Development Policy and Management	Fax 061-273-8829
Duration	12 Weeks	Manchester University, Precinct Centre Oxford Rd	Telex 669755 OFFICE E Att: IDPM
Language	E	Manchester M13 9QS , UK	
Fees	6,580 British pounds; incl. basic fee and self-catering accomod.		
Focus on administration and management of the British system and develop skills as line and functional managers. Exchanges of experience. Areas of specialization, such as agriculture, vary with interest of participants. For experienced administrators from overseas. This course is offered early April with a deadline of early January (annually). Keywords ADMINISTRATION, MANAGEMENT, TRAINING, EDUCATION			
Management of Development Finance Institutions University of Manchester		Manchester, United Kingdom , Europe	30
Begins	00/00/00	Prof. Paul Mosley, Head	Phone 061-275-2800
Deadline	00/00/00	Institute for Development Policy and Management	Fax 061-273-8829
Duration	12 Weeks	Manchester University, Precinct Centre Oxford Rd	Telex 669755 OFFICE E att IDPM
Language	E	Manchester M13 9QS , UK	
Fees	6,580 British pounds; inclusive of basic fee/self-catering accomod.		
Provides information and skills in design, appraisal, supervision and evaluation of lending programs (especially those for small business and small farmers). Deal with set of problems distinct from normal banking business. For middle and higher-level officials of commercial and development banks. Course begins early April, deadline early January (annually). Keywords DEVELOPMENT, MANAGEMENT, CREDIT, FINANCE			
Communication for Rural Development Inter-American Institute for Cooperation on Agriculture		Coronado, Costa Rica , Cent. America	31
Begins	00/00/00	Antonio Cabezas E., Dean of Studies	Phone (506) 29 0222
Deadline	00/00/00	IICA-RNTC	Fax
Duration		Apartado 55-2200	Telex 2144 IICA
Language	S/E	Coronado, Costa Rica , Cent America	
Fees	not available		
This institute regularly offers courses on development communication, among them: Mass Communication for Rural Development; Planning Communication Projects to Support Rural Development; Video Production Principles of Distance Education. Keywords COMMUNICATION, DEVELOPMENT, VIDEO			

Management, Administration, Accounting, Computers, Marketing & Information

32

American Management Association

Numerous Cities , USA

Begins 00/00/00 The Register
Deadline 00/00/00 P.O. Box 319
Duration 3 Days
Language E Saranac Lake, NY 12983 , USA
Fees Costs vary from about 800 to 1,100 US\$

Phone 518-891-0065
Fax
Telex

The American Management Association provides a vast array of 2 to 5 day seminars on topics related to the areas in this title. The seminars are located in numerous US cities throughout the year. Most persons attending will be people from the USA. Many of the skills learned may be useful to nationals of other countries.

Keywords ADMINISTRATION, INFORMATION, MANAGEMENT

Basic Supervision

33

Padgett-Thompson

Numerous Cities , USA

Begins 00/00/00 Registrar
Deadline 00/00/00 Padgett-Thompson Bldg.
Duration 1 Day P.O. Box 8297
Language E Overland Park, KS 66208 , USA
Fees 98 US\$; exclusive of room and board

Phone 800-255-4141
Fax
Telex

One-day seminars for managers, supervisors, and trainers. Topics include: how to delegate and make it stick; new ways to motivate; how to discipline and fire; goal setting; how to increase productivity; understanding your role.

Keywords PERSONNEL, ADMINISTRATION

Training Programs in Labor Statistics

34

International Labor Statistics Program Center

Washington, DC , USA

Begins 00/00/00 John T. McCracken, Director
Deadline 00/00/00 ILSPC/BLS/USDL
Duration Room S1310, 200 Constitution Ave., NW
Language E/S Washington, DC 20212 , USA
Fees 4,140 US\$; inclusive of room and board

Phone 202-523-9231
Fax
Telex

Each year the ILSPC of the Bureau of Labor Statistics conducts a number of seminars of 4 to 8 weeks duration at its training facilities in DC. Each seminar is designed to strengthen capabilities in collecting and analyzing economic, labor and social statistics, as well as applying them to policy formation.

Keywords LABOR, STATISTICS, DATA

In-Country Pesticide

35

Ohio State University

Columbus, Ohio , USA

Begins 00/00/00 Short Term Technical Training Coordinator
Deadline 00/00/00 256 Bevis Hall, 1080 Carmack Road
Duration Ohio State University
Language E Columbus, OH 43210-1002 , USA
Fees not available

Phone 614-292-7252
Fax
Telex 272894 OSUA UR

Course may be conducted at any time during year but a lead time of 3 months. Course length flexible. Subject matter includes: classification of pesticides; their mode of action; physiological effects; persistence in environment; benefits, hazards, toxicity, safe use, application and performance. Will emphasize selection of pesticide formulations and adjuvants for specific types of pest problems in developing countries and new approach developments for these problems and application theory.

Keywords PEST

International Short Courses

36

Royal Institute of Public Administration

London, United Kingdom , Europe

Begins 00/00/00 Mr. Philip Ward, Director
Deadline 00/00/00 Overseas Unit/R.I.P.A.
Duration 12 Weeks Regents' College, Inner Circle, Regents' Park
Language E London NW 1 4 NS , UK
Fees not available

Phone 01-925-0496
Fax
Telex 261507 Ref 1983

A series of programs based on practicality and student involvement. Some courses only for 4 weeks duration. Not oriented specifically to agriculture but subject matter may be relevant. For applicants from all countries.

Keywords ADMINISTRATION

Research Project Implementation Management

37

University of the Philippines

UPLB, Philippines , Asia

Begins 00/00/00 Research Management Center
Deadline 00/00/00 University of the Philippines
Duration 10 Days
Language E/O Los Banos, Philippines 4031 , Asia
Fees Determined on an as-needed basis

Phone
Fax
Telex

To present and explain concepts, principles and tools for effective research project implementation management; to provide learning experiences where the participant can have opportunities to internalize these inputs. Research and social change; technology assessment and research utilization (performance parameters, technical assessment, processes and strategies); the project system; research management approaches; systematic managerial analysis; supervisory tasks; administration.
Keywords RESEARCH, MANAGEMENT, PROJECT

Institution Building Workshop

38

University of the Philippines

UPLB, Philippines , Asia

Begins 00/00/00 Research Management Center
Deadline 00/00/00 University of the Philippines
Duration 1 Week
Language E/O Los Banos, Philippines 4031 , Asia
Fees not available

Phone
Fax
Telex

Aims to facilitate the forming, clarifying and internalizing of an institutional blueprint and mode of work consisting of mandate, role, working structural set-up and program of work. This workshop is an example of the kind of training that can be provided.
Keywords PROGRAM, ADMINISTRATION, MANAGEMENT

Design and Management of Small Sprinkler and Drip Systems

39

Colorado State University-CIIM

Fort Collins, Colorado , USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 3 Weeks Colorado State University
Language E Fort Collins, CO 80523 , USA
Fees 3,000 US\$; exclusive of room, board, and registration

Phone 303-491-2293
Fax
Telex 9109309011 CSU CID FTCN

Microirrigation includes all pressurized on-farm irrigation systems which operate under low pressure and have small wetted areas and low discharge rates. Course is designed for engineers and professionals involved in microirrigation design and operation. Course will provide basic understanding and working knowledge of principles needed in design, management and evaluation of microirrigation systems. Course offered upon request.
Keywords IRRIGATION, WATER MANAGEMENT, DESIGN

Technical and Professional Development Training Program

40

Otley College

Otley, Ipswich, England , Europe

Begins 00/00/00 The Principal
Deadline 00/00/00 Otley College of Agriculture and Horticulture
Duration 12 Weeks
Language E Otley, Ipswich, England IP6 9EY , Europe
Fees not available

Phone 04-738-5543
Fax
Telex 987708

Technical instruction is available in: livestock production; mechanized operations; forestry; farm shop; machinery maintenance and repair; farm and estate maintenance; computer studies; management and accounting; agricultural extension; research techniques; horticulture; methods of teaching.

Keywords ANIMAL SCIENCE, PLANT SCIENCE, ENGINEERING, EQUIPMENT

Project Analysis and Management

41

World Center for Development and Training

Arlington, Virginia , USA

Begins 00/00/00 Michael J. Marquardt, Exec. Dir.
Deadline 00/00/00 1730 North Lynn Street
Duration 1 Week Suite 410
Language E Arlington, VA 22209 , USA
Fees Information regarding schedules and costs available on request

Phone 703-524-2700
Fax
Telex 440192 VITAU1

Conducted 2-3 times per year. Incorporate latest theoretical learnings with practical hands-on experiences and field trips. Faculty are senior technicians and managers from both the corporate and public sectors.
Keywords ANALYSIS, PROJECT

Development Administration

42

World Center for Development and Training

Arlington, Virginia, USA

Begins 00/00/00 Michael J. Marquardt, Exec. Dir.
Deadline 00/00/00 1730 North Lynn Street
Duration 1 Week Suite 410
Language E Arlington, VA 22209, USA
Fees Information regarding schedules and costs available on request

Phone 703-524-2700
Fax
Telex 440192 VITTAUI

Conducted 2-3 times per year. Incorporate latest theoretical learnings with practical hands-on experiences and field trips. Faculty are senior technicians and managers from both the corporate and public sectors.

Keywords DEVELOPMENT, ADMINISTRATION

Food and Agriculture - Diploma Program

43

World Center for Development and Training

Arlington, Virginia, USA

Begins 00/00/00 Michael J. Marquardt, Exec. Dir.
Deadline 00/00/00 1730 North Lynn Street
Duration Suite 410
Language E Arlington, VA 22209, USA
Fees 4,000 US\$; includes fees, consultations, transp/lodging for 3 trips

Phone 703-524-2700
Fax
Telex 440192 VITTAUI

Three to 12 months duration. For senior level officials and managers from government agencies, international organizations and private companies. Field experience program ideal for professionals with focused area of interest. 500 word essay required for admission and complete a project paper related to field of study. Offeror will help arrange appropriate curriculum.

Keywords FOOD SCIENCE, AGRICULTURE

Human Resource Development

44

World Center for Development and Training

Arlington, Virginia, USA

Begins 00/00/00 Michael J. Marquardt, Exec. Dir.
Deadline 00/00/00 1730 North Lynn Street
Duration Suite 410
Language E Arlington, VA 22209, USA
Fees 4,000 US\$; includes fees, consultations, transp/lodging for 3 trips

Phone 703-524-2700
Fax
Telex 440192 VITTAUI

Three to 12 months duration. For senior level officials and managers from government agencies, international organizations and private companies. Field experience program ideal for professionals with focused area of interest. 500 word essay required for admission and complete a project paper related to field of study. Offeror will help arrange appropriate curriculum.

Keywords HUMAN RESOURCES

Computer Information Systems

45

World Center for Development and Training

Arlington, Virginia, USA

Begins 00/00/00 Michael J. Marquardt, Exec. Dir.
Deadline 00/00/00 1730 North Lynn Street
Duration Suite 410
Language E Arlington, VA 22209, USA
Fees 4,000 US\$; includes fees, consultations, transp/lodging for 3 trips

Phone 703-524-2700
Fax
Telex 440192 VITTAUI

Three to 12 months duration. For senior level officials and managers from government agencies, international organizations and private companies. Field experience program ideal for professionals with focused area of interest. 500 word essay required for admission and complete a project paper related to field of study. Offeror will help arrange appropriate curriculum.

Keywords COMPUTER

How to Organize and Manage Priorities

46

National Career Workshop

Various Cities, USA

Begins 00/00/00 Seminar Registration
Deadline 00/00/00 6901 West 63rd St.
Duration 1 Day P.O. Box 2949
Language E Shawnee Mission, Kansas 66201-1349, USA
Fees 98 US\$/125 US\$ Canada/98 british pounds UK; excl. of room and board

Phone 800-268-7246
Fax
Telex

One-day seminars held throughout the U.S., Canada and the United Kingdom on a year-round schedule. Major topics: include achieving success in multiple-demand situations; getting things done; planning and organizing for results; achieving your goal and objectives; handling problems; crisis and difficult situations; keeping your perspective; enjoying each day. This seminar will be useful for persons in any field who handle multiple responsibilities.

Keywords MANAGEMENT, HUMAN RESOURCES

Agricultural Research Policy and Management			47
University of London			Kent, England, Europe
Begins	00/00/00	Director of Short Courses	Phone 0-233-81-2401
Deadline	00/00/00	Wye College, University of London	Fax 0-233-81-3320
Duration		Ashford,	Telex 94017832 WYE C G
Language	E	Kent TN25 5AH, England, Europe	
Fees	not available		
Keywords AGRICULTURE, RESEARCH, MANAGEMENT, POLICY			
Monitoring Microorganisms in the Environment			48
University of Hawaii			Honolulu, Hawaii, USA
Begins	00/00/00	NIFTAL Project	Phone 808-579-9568
Deadline	00/00/00	College of Trop Ag & Human Res, Univ. of Hawaii	Fax
Duration	4 Weeks	Gilmore Hall, Rm. 214, 3050 Maile Way	Telex NIFTAL 7430315 (ITT)
Language	E	Honolulu, HI 96822, USA	
Fees	not available		
Serological techniques; biochemical techniques; genetic techniques; bacteriophage typing; applications. Hands-on experience, lectures, seminars on ecological concepts and principles will relate to the fate of exotic organisms in the environment. Must have degree in a life science and knowledge of microorganisms. For microbial ecologists, plant pathologists, food scientists, microbial germplasm curators, industrial microbiologists, inoculant producers, graduate students and environmental agencies.			
Keywords ENVIRONMENT, MONITORING			
Irrigation Management Study Tours			49
Colorado State University-CIIM			Fort Collins, Colorado, USA
Begins	00/00/00	Colorado Institute for Irrigation Management	Phone 303-491-2293
Deadline	00/00/00	410 University Services	Fax
Duration		Colorado State University	Telex 9109309011 CSU CID FTCN
Language	E	Fort Collins, CO 80523, USA	
Fees	negotiable		
Custom designed study tours that involve: irrigation projects; major irrigation water storage/control facilities; salinity control/reclamation projects; private and public irrigation project management offices; research and development institutions; work session with hands-on training in water delivery methods; upstream/downstream water level control systems. Discussion of observations and technologies. Advance notice of 90 days to begin class. Course offered upon request (1-3 week duration) cost negotiable.			
Keywords IRRIGATION, MANAGEMENT			
Remote Sensing, Image Processing and Geographical Information Systems (GIS)			50
Colorado State University-CIIM			Fort Collins, Colorado, USA
Begins	00/00/00	Colorado Institute for Irrigation Management	Phone 303-491-2293
Deadline	00/00/00	410 University Services	Fax
Duration	4 Weeks	Colorado State University	Telex 9109309011 CSU CID FTCN
Language	E	Fort Collins, CO 80523, USA	
Fees	3,500 US\$; exclusive of room and board		
Review methods and techniques for using image processing/GIS tools (acquisition of digital images, ground sampling, error assessment and classification accuracy determinations). Applications: resource inventory and mapping; agricultural land use classification; identification of drainage and salinity problems; irrigation water requirements; water balance computations; land capability mapping; feasibility studies. Labs, case studies, field trips and data processing included. Course offered upon request.			
Keywords IRRIGATION, MAPPING, REMOTE SENSING			
Inoculant Technology			51
University of Hawaii			Honolulu, Hawaii, USA
Begins	00/00/00	NIFTAL Project	Phone 808-579-9568
Deadline	00/00/00	College of Trop Ag & Human Res, Univ. of Hawaii	Fax
Duration	4 Weeks	Gilmore Hall, Rm. 214, 3050 Maile Way	Telex NIFTAL 7430315 (ITT)
Language	E	Honolulu, HI 96822, USA	
Fees	not available		
Laboratory and commercial scale inoculant production, inoculant application and techniques of general microbiology essential for quality control procedures. Topics: general rhizobial microbiology; rhizobium culture production in mass; carrier and inoculant preparation and quality assurance; inoculant application. Exercises, lectures, discussions and sessions on economics of small-to-medium scale production and marketing. For entrepreneurs, inoculant producers, researchers and agronomists.			
Keywords RHIZOBIUM, DISEASE			

Agricultural Internships

52

Rodale Research Center

Kutztown, Pennsylvania, USA

Begins 00/00/00 Internship Program
Deadline 00/00/00 R.D. #1, Box 323
Duration
Language E Kutztown, PA 19530, USA
Fees not available

Phone 215-683-6383
Fax
Telex

Intern positions in regenerative agriculture research. Interns assist researchers with research projects while gaining hands-on experience in their area of interest. Both paid and unpaid positions are available in the areas of agronomy, entomology, legumes, new crops and research farm operations.

Keywords AGRICULTURE, AGRONOMY

Applied Hydraulics (AH) - Videotape Course

53

Utah State University

Logan, Utah, USA

Begins 00/00/00 Utah State Univ. Found.- Int'l Irrig. Center
Deadline 00/00/00
Duration Utah State University
Language E Logan, UT 84322-4150, USA
Fees 5,000 US\$ + \$35 for book

Phone 801-750-2603
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

The videotapes coupled with a proven self-study text, form an efficient and powerful way to learn the principles and practices of AH. Tapes cover essentially 26 of the 41 chapters of the textbook. Stresses application of the fundamental principles and concepts of fluid mechanics to the solution of hydraulic problems. Designed for non-engineering disciplines where knowledge and skills of AH is essential, AH engineering techs, engineering students needing a fluid mechanics course.

Keywords IRRIGATION, ENGINEERING, VIDEO

Communication Skills

54

Land Between the Lakes

Goldenpond, Kentucky, USA

Begins 00/00/00 James C. Carpenter, Program Administrator
Deadline 00/00/00 Professions Development, Land Between the Lakes
Duration TVA, 100 Van Morgan Drive
Language E Golden Pond, KY 42211-9001, USA
Fees not available

Phone 502-924-5602
Fax
Telex

Designed to improve participants' speaking skills, planning speaker support, making good media impression and principles of public debate are some of the sessions available. Video sessions of speeches are used as learning tool. Applied, hands-on, active training is utilized.

Keywords COMMUNICATION, VIDEO

Fruit and Nut Production

55

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 600 to 800 US\$; per week

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Customized training programs designed to meet the needs of the sponsor and trainee. Topics may include: distribution of deciduous fruits and nuts; temperature, water, light and nutritional requirements and limitations; soil management; pollination, thinning and pruning; growth regulators; orchard economics; and more. Practical training experiences with Oregon producers may be arranged.

Keywords FRUIT, PRODUCTION, HORTICULTURE

Harvest, Storage and Transportation of Fruits and Vegetables

56

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E/S/P/F Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

1-3 weeks as needed. Course will be adapted to meet the needs of participants. Topics may include: factors influencing losses of fresh fruits and vegetables; methods to reduce post harvest losses of fresh crops; training and supervision of harvesters, handlers and marketers to protect quality; evaluation and loss assessment skills; applies technology to local situations; postharvest handling technology.

Keywords POSTHARVEST, HORTICULTURE, FRUIT, VEGETABLE

Pest and Pesticide Management

Oregon State University

Corvallis, Oregon or Host Country, USA/IC 57

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E/S/F/A Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

For research, extension, industry personnel, students, involved in pest and pesticide management in developing countries. Emphasis on concept of pest and appropriate management techniques. Practical information on safe and effective use of pesticides, including purchase, transportation, mixing, loading, application, disposal and storage, equipment use (calibration and rate calculations) and maintenance. FAO Code of Conduct is discussed. Course is variable from 1 day to 1 month.
Keywords PEST

Remote Sensing Techniques

Oregon State University

Corvallis, Oregon, USA 58

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

6-10 Weeks. Course will focus on the use of satellite imagery, aerial photography, ground truthing, image processing and resource classification to develop watershed plans. The OSU Geographic Technology Laboratory is an outstanding instructional facility for applications of remote sensing, computer cartography and geographic information management systems.
Keywords IRRIGATION, GEOGRAPHY, MAPPING, REMOTE SENSING

Small Fruit and Grape Production

Oregon State University

Corvallis, Oregon, USA 59

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Customized training programs designed to meet the needs of the sponsor and trainee. Topics include production and management practices for small fruits and grapes. Practical training experiences with Oregon producers may be arranged.
Keywords FRUIT, PRODUCTION, HORTICULTURE

Vegetable Production

Oregon State University

Corvallis, Oregon, USA 60

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course will be adapted to meet the needs of the participants. Topics include: seed, plant production, varieties, irrigation, nutrition, harvesting and other aspects of major vegetable crop production; environmental effects; and economic considerations.
Keywords PRODUCTION, VEGETABLE, HORTICULTURE

Using Microcomputers for Data Management

Oregon State University

Corvallis, Oregon, USA 61

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course will focus on techniques of data management using computers. Training can be adapted to a wide range of desired topics, including database management applications, text search technology, use of spreadsheets for feasibility analysis and expert systems applications.
Keywords COMPUTER, DATA

Home Economics in International Development

62

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 400 to 600 US\$; per week/exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course will focus on household resource dynamics and their relevance to economic and social development in developing countries. Impact of development efforts on quality of life for families and community welfare will be analyzed using micro/macro interactive resource dynamics approach. Health and sanitation; food and nutrition; shelter; family income; education; population; natural resource environment. Course is 3 to 4 weeks long, between April through September 1992 with 6 months notice.

Keywords ECONOMICS**Aquatic Toxicology**

63

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration 1 Week Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Workshop in aquatic toxicology for graduate students in which fish will provide the focal point. Invertebrates will also be discussed. Topics will include: bioassays and their application and interpretation; pharmacokinetics; toxicant mixtures; organ system toxicology.

Keywords FISH, AQUACULTURE**Food Policy Analysis**

64

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course emphasizes principles of public policy formation and implementation. Covers agricultural price and income policies and their implications for food prices, economic development and international trade. Attention is given to interrelationships among policies and programs, as well as quantitative techniques for analyzing these interrelationships.

Keywords POLICY**Chemistry, Biochemistry and Toxicology of Pesticides**

65

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course will be adapted to the needs of participants and to meet the specific requirements of individual countries. Course will be of interest to laymen, undergraduate and graduate students and those involved with fundamental research. The course could be created for the purpose of training trainers as well as training technicians.

Keywords PEST**Clonal Germplasm Repository Management**

66

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Designed for faculty and technicians in the management of clonal germplasm taught at a U.S. national repository. The facility is dedicated to the preservation of temperate fruit and nuts, but coursework has broad applications to clonal collections.

Keywords SEED, GENETIC, TISSUE

Microcomputers in Plant Protection in Developing Countries

67

University of Hawaii

Manila Garden Hotel, Manila, Philippines

Begins 00/00/00 Coordinator for International Programs
Deadline 00/00/00 College of Trop Ag & Human Res, Univ. of Hawaii
Duration Gilmore Hall, Rm. 214, 3050 Maile Way
Language E Honolulu, HI 96822, USA
Fees not available

Phone 808-948-6441
Fax 808-948-6442
Telex 7430725 SPRAD HR

Date and duration according to participants' needs. Helps plant protection scientists become competent users of microcomputers in research and extension of developing countries; develop general understanding of computer operations; become competent in common hard/software; knowledgeable of diverse applications of computers in plant protection. Computer skills in: pest surveillance; disease prediction; crop and pest population modeling; data collection/analysis; agriculture database management.
Keywords COMPUTER, PLANT PROTECTION

Drainage for Irrigated Lands

68

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 00/00/00 Colorado Institute for Irrigation Management
Deadline 00/00/00 410 University Services
Duration 3 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 3,000 US\$; exclusive of room and board

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Course will provide understanding of the soil and water engineering principles which are necessary for the successful implementation of drainage in arid irrigated areas. Includes: drainage principles, impacts of irrigation and their modification; effects of waterlogging and salinity on crops; drainage design, evaluation and management. Focus will be on mitigation of drainage problems in arid irrigated areas. COURSE OFFERED ON REQUEST.
Keywords IRRIGATION, WATER, WATER MANAGEMENT

Instructional Methods and Products for Irrigation Training

69

Utah State University

Logan, Utah, USA

Begins 00/00/00 International Irrigation Center
Deadline 00/00/00
Duration 4 Weeks Utah State University
Language E Logan, UT 84322-4150, USA
Fees 2,700 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOG

Available on request. Designed for irrigation water management trainers. Covers instructional design, training methods and techniques, design and production of various media. Participants gain hands-on experience through developing specific training objectives for their own situations, an appropriate curriculum, instructional products and training methods. Participants acquire interdisciplinary perspectives and skills in developing, implementing and evaluating programs.
Keywords IRRIGATION, TRAINING

Irrigation Water Management (Trainer's) Study Tour of U.S. Western States

70

Utah State University

Utah, Colorado, Arizona and California, USA

Begins 00/00/00 International Irrigation Center
Deadline 00/00/00
Duration 3 Weeks Utah State University
Language E Logan, UT 84322-4150, USA
Fees 2,400 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Available on request. Intensive field study tour has an Provides overview of US irrigation and drainage systems, agricultural production and supporting organizations and institutions. Participants observe and gain understanding of: design, operation and maintenance system management; improved agriculture practices; organizational aspects of small and large scale irrigation projects. Covers management and conservation of soil and water resources for sustained production.
Keywords IRRIGATION, WATER

Applied Remote Sensing in Agriculture

71

Utah State University

Logan and Salt Lake City, Utah, USA

Begins 00/00/00 International Irrigation Center
Deadline 00/00/00
Duration 4 Weeks Utah State University
Language E Logan, UT 84322-4150, USA
Fees 2,700 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Available on request. Designed for engineers, agriculturalists, social scientists and others concerned with agricultural development. Participants: gain an understanding of the theory and technical concepts behind remote sensing; develop skills in recognizing agricultural problems that are detected by remote sensing; gain a knowledge of how to organize a remote sensing project for agricultural applications; obtain satellite data; evaluate costs and benefits of such a project.
Keywords REMOTE SENSING, MAPPING

Timberland Investments

72

Duke University

Durham, North Carolina, USA

Begins 00/00/00 Intensive Course Coordinator
Deadline 00/00/00 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706, USA
Fees not available

Phone 909-684-2195
Fax
Telex

Investment characteristics of timberlands in terms of the objectives and constraints of institutional investors and factors which contribute to risk and return of timberland investments. Topics include: mathematics of finance; investment constraints, preferences, and strategy; portfolio theory; demand for forest products; inventory dynamics; timber supply and stumpage price; federal and partnership taxes; timber accounting.

Keywords FINANCE, FORESTRY**Forest Taxation**

73

Duke University

Durham, North Carolina, USA

Begins 00/00/00 Dr. Milton S. Heath, Jr.
Deadline 00/00/00 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706, USA
Fees 650 US\$; exclusive of room and board

Phone 909-684-2195
Fax
Telex

Presents principles of timber taxation as they apply to forest management. Emphasis is on practical solutions to current problems rather than on a theoretical or analytical approach. Topics include: legislative history of special timber tax rules; federal taxation of timber proceeds (income vs capital gains; expenses (capitalized, deferred or expensed) under applicable rules; tax treatment of various transactions (outright sales, contracts, leases); depletion basis and casualty losses.

Keywords FORESTRY, FINANCE**Introduction to Microcomputers**

74

Graduate School, USDA

Washington D.C., USA

Begins 00/00/00 Dr. Robert Mashburn, Director
Deadline 00/00/00 International Education and Training
Duration 3 Days 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 750 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-447-7476
Telex 756563 GS INTL WSHH

Introduces the microcomputer functions, its component parts, the differences among standard operating systems and the proper care of soft and hardware. Learn to use DOS. Lectures and discussions cover the processes involved in identifying hardware needs and purchasing computers, peripherals and supplies. The course is three consecutive Saturdays during a training course.

Keywords COMPUTER**Rapid Agribusiness Investment Appraisal**

75

University of the Philippines

Los Banos, Philippines, Asia

Begins 00/00/00 Dept of Agribusiness Management
Deadline 00/00/00 University of the Philippines
Duration
Language Los Banos, Philippines 4031, Asia
Fees not available

Phone
Fax
Telex

Facilitates the students' understanding of pre-feasibility study preparation and analysis across various crop, livestock and fish commodity groups. It presents how, with the aid of a microcomputer, the process of pre-feasibility is done to facilitate rapid investment appraisal.

Keywords ANALYSIS, AGRIBUSINESS**Management and Analysis of Smaller Agro-Industrial Projects**

76

University of the Philippines

Los Banos, Philippines, Asia

Begins 00/00/00 Dept. of Agribusiness Management
Deadline 00/00/00 University of the Philippines
Duration
Language E Los Banos, Philippines 4031, Asia
Fees not available

Phone
Fax
Telex

Analyzes strategic and operational problems of smaller agro-industrial projects and their management. Examines the transformation of raw agricultural produce to higher value-added products which can suit the specifications of non-traditional markets.

Keywords AGRIBUSINESS, MANAGEMENT, ANALYSIS, PROJECT

Small Agribusiness Development			77
University of the Philippines			Los Banos, Philippines , Asia
Begins	00/00/00	Dept. of Agribusiness Management	Phone
Deadline	00/00/00	University of the Philippines	Fax
Duration			Telex
Language	E	Los Banos, Philippines 4031 , Asia	
Fees	not available		
<p>Focuses on possible agribusiness enterprise models which will showcase, among others, feasible integrative arrangements between farmers and entrepreneurs. Participants will critically examine the mechanics through which off-farm businessmen and non-government organizations can link with farmers on small and beneficial joint-business undertakings.</p> <p>Keywords AGRIBUSINESS, ENTERPRISE, DEVELOPMENT</p>			
Management Development for Public and Private Organizations in Agribusiness			78
University of the Philippines			Los Banos, Philippines , Asia
Begins	00/00/00		Phone
Deadline	00/00/00	University of the Philippines	Fax
Duration			Telex
Language	E	Los Banos, Philippines 4031 , Asia	
Fees	not available		
<p>Covers the broadening of perspective in preparation for movement into higher supervisory and managerial positions of personnel directly involved in agribusiness activities. This program is tailored to fit the unique developmental requirements of the participants given the demands of the agribusiness system's environment.</p> <p>Keywords AGRIBUSINESS, ENTERPRISE, DEVELOPMENT</p>			
Case Research and Materials Development for Agribusiness Management Education			79
University of the Philippines			Los Banos, Philippines , Asia
Begins	00/00/00	Office of the Director of Extension	Phone
Deadline	00/00/00	University of the Philippines	Fax
Duration			Telex
Language		Los Banos, Philippines 4031 , Asia	
Fees	not available		
<p>Approaches in the development of teaching and training materials. Participants will discuss various modern approaches and methods, and examine their effectiveness for classroom and field use specifically in developing areas.</p> <p>Keywords AGRIBUSINESS, EDUCATION</p>			
Agribusiness Summer Program			80
University of the Philippines			Los Banos, Philippines , Asia
Begins	00/00/00		Phone
Deadline	00/00/00	University of the Philippines	Fax
Duration	6 Weeks		Telex
Language		Los Banos, Philippines 4031 , Asia	
Fees	not available		
<p>Modular course that provides basic understanding of relevant managerial concepts and their applications in agriculture-related ventures. Modules include: Today's Agriculture: Problems and Concepts (working knowledge of commercial-scale farm management); Accounting and Control for Non-Accountants; Quantitative Management and Microcomputers: Tools for Decision-Making (computers as aid to research and for operation of business; also software applications); Essentials of Agribusiness Management (concepts, principles and techniques of managing private and public agribusiness organizations).</p> <p>Keywords AGRIBUSINESS, MANAGEMENT, ACCOUNTING, COMPUTER</p>			
Graduate Diploma in Agribusiness Management			81
University of the Philippines			Los Banos, Philippines , Asia
Begins	00/00/00	The Dept of Agribusiness Management	Phone
Deadline	00/00/00	University of the Philippines	Fax
Duration	36 Weeks		Telex
Language		Los Banos, Philippines 4031 , Asia	
Fees	not available		
<p>A post-graduate course for entrepreneurs, managers and development planners of institutions engaged in agricultural ventures. Heightens understanding of the technical and management peculiarities in analyzing, planning and operating agriculture-based projects and organized entities. Contents: agribusiness commodity systems; enterprise formation and project management; management systems for farm enterprises - processing plants and service; research methods in agribusiness.</p> <p>Keywords AGRIBUSINESS, MANAGEMENT</p>			

Enterprise Formation and Management in the Rural Areas		82
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00 Dept. of Agribusiness Management	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration		Telex
Language	Los Banos, Philippines 4031 , Asia	
Fees	not available	
Integrates and applies theories and teachings in the organization and management of new enterprises in the rural areas. Describes and analyzes the inter-relationship of the rural environment and its institutions with the development and growth of enterprises.		
Keywords ENTERPRISE, AGRIBUSINESS, RURAL		
Writing Clinic for Foreign Students		83
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration	2 Weeks	Telex
Language	E Los Banos, Philippines 4031 , Asia	
Fees	1,000 Philippine pesos; exclusive of room and board	
Basic writing skills for foreign students.		
Keywords COMMUNICATION		
Environmental Journalism		84
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration	2 Weeks	Telex
Language	E Los Banos, Philippines 4031 , Asia	
Fees	1,000 Philippine pesos; exclusive of room and board	
Teaches balanced and responsible reporting in creating environmental awareness.		
Keywords COMMUNICATION, ENVIRONMENT		
Communication of Scientific and Technical Information		85
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration	2 Weeks	Telex
Language	E Los Banos, Philippines 4031 , Asia	
Fees	1,000 Philippine pesos; exclusive of room and board	
Retrieving, processing and interpreting scientific and technical information for the utilization of scientists, educators and other knowledge linkers.		
Keywords DATA, COMMUNICATION		
Publications Writing		86
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration	2 Weeks	Telex
Language	E Los Banos, Philippines 4031 , Asia	
Fees	1,300 Philippine pesos; exclusive of room and board	
Writing for publications; clear and effective writing; outlining and popularizing technical papers.		
Keywords COMMUNICATION		
Advanced Photography		87
University of the Philippines		Los Banos, Philippines , Asia
Begins	00/00/00	Phone
Deadline	00/00/00 University of the Philippines	Fax
Duration	2 Weeks	Telex
Language	E Los Banos, Philippines 4031 , Asia	
Fees	1,000 Philippine pesos; exclusive of room and board	
Close-up and macro-photography, slide duplication and re-copy, corrective and creative filtration.		
Keywords COMMUNICATION		

Rural Social Leadership

88

Xavier University

Mindanao, Philippines , Asia

Begins 00/00/00 SEARSOLIN
Deadline 00/00/00 P.O. Box 89
Duration 6 Months 9000 Cagayan de Oro City
Language E Mindanao, Philippines , Asia
Fees 4,000 US\$; inclusive of travel, tuition, fees, board and lodging

Phone 630-882-4881
Fax
Telex 48401 GMCRDO PM/Globe Mackay

Objective: training of rural social leaders to assist in the global task of human liberation through the process of education, social organization, participation and increased productivity. Content: development economics; South Asian development perspectives; nutrition and development; cooperatives and credit unions; leadership and group dynamics; human social principles; agricultural development; appropriate technology; food technology; agricultural practicum (gardening, poultry raising, etc.); communication methods; production economics and project evaluation; ecological conservation; primary health care.

Keywords LEADERSHIP, RURAL**Science Journalism**

89

University of the Philippines

Los Banos, Philippines , Asia

Begins 00/00/00
Deadline 00/00/00 University of the Philippines
Duration 2 Weeks
Language E Los Banos, Philippines 4031 , Asia
Fees 1,000 Philippine pesos; exclusive of room and board

Phone
Fax
Telex

Interpretation of science and specialized topics for a popular audience, with emphasis on reliability and readability.

Keywords COMMUNICATION**Intensive English Language Program**

90

University of Arkansas at Little Rock

Little Rock, Arkansas , USA

Begins 00/00/00 Intensive English Language Program
Deadline 00/00/00 University of Arkansas at Little Rock
Duration 8 Weeks 2801 South University
Language E Little Rock, AR 72204 , USA
Fees 10,000 US\$; (approximately) per year, inclusive of room and board

Phone 501-569-3468
Fax 501-569-3581
Telex

Offered every other month. Annually. Full-time program in all English language skills (speaking, listening, reading and writing). Provides cultural and academic orientation. Six levels of instruction. Language laboratory available. Classes are small and student-teacher communications is emphasized. Vocabulary classes for special majors available. Advanced students take special classes in Library Research and University Study Skills, such as research paper writing, note-taking and exam skills.

Keywords ENGLISH, LANGUAGE**Dynamic Modeling for Forestry and Natural Resource Management Strategies**

91

Duke University

Durham, North Carolina , USA

Begins 00/00/00 Douglas MacKinnon, Intensive Course Program
Deadline 00/00/00 Center for International Development Research
Duration 4875 Duke Station
Language E Durham, North Carolina 27706 , USA
Fees not available

Phone 919-684-2135
Fax
Telex

Simulation of the financial aspects of silviculture when used to produce timber, wildlife habitat, water, range and recreational benefits; economics of production; trade-offs for multiple benefits.

Keywords FORESTRY, NATURAL RESOURCES**Forestry Appraisal Part I**

92

Duke University

Durham, North Carolina , USA

Begins 00/00/00
Deadline 00/00/00 Center for International Development Research
Duration 4875 Duke Station
Language E Durham, North Carolina 27706 , USA
Fees not available

Phone
Fax
Telex

Advanced course also available.

Keywords FORESTRY, ANALYSIS

The Safe Drinking Water Act and Amendments

93

Duke University

Durham North Carolina , USA

Begins 00/00/00 Dr. Douglas A. MacKinnon, Intensive Course Prog.
Deadline 00/00/00 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706 , USA
Fees Information not available

Phone 919-684-2135
Fax
Telex

Statutes, regulations, policies, and issues that affect the public drinking water supply. Analysis of key issues through lectures, group work on problem sets, and hypothetical problem solving panel discussion.
Keywords WATER TREATMENT, WATER

Implementation of the National Environmental Policy Act

94

Duke University

Durham, North Carolina , USA

Begins 00/00/00
Deadline 00/00/00 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706 , USA
Fees Information not available

Phone
Fax
Telex

National Environmental Policy Act content, case law, current issues. Methods of implementing regulations, environmental impact analysis, determining the level of documentation to fully record and disclose results.
Keywords FORESTRY, ENVIRONMENT

Nonpoint Pollution Control for Forestry and Agriculture

95

Duke University

Durham, North Carolina , USA

Begins 00/00/00
Deadline 00/00/00 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706 , USA
Fees Information not available

Phone
Fax
Telex

Strategies and methods for control of nonpoint pollution building upon a basic understanding of soil and water resources.
Keywords FORESTRY, WATER, SOIL, NATURAL RESOURCES

Range Management - A Video Tape Course

96

Kansas State University

Manhattan, Kansas , USA

Begins 00/00/00 Distance Learning
Deadline 00/00/00 Division of Continuing Education
Duration 5 Months 131 College Court Building, Kansas State University
Language E Manhattan, KS 66506 , USA
Fees 180 - 460 US\$; depending on status

Phone 913-532-5686
Fax 913-532-5637
Telex

Range Management course presented as a videotape of lectures. Introduces students to rangelands around the US and demonstrates basic principles and management techniques. Presentation of a sound management basis followed by grazing effects on the plant and animal components. Range development and improvements and their relationship to plant and animal productivities.
Keywords FORAGE, PASTURE

Tropical Pest Management

97

Imperial College at Silwood Park

Ascot, United Kingdom , Europe

Begins 00/00/00 IPARC
Deadline 00/00/00 Buckhurst Road
Duration 12 Weeks Ascot
Language E Berkshire SL57PY , UK
Fees nct available

Phone 0344 23911/294450
Fax 0344-294450
Telex 929484 IMPCOL G

Practical training in integrated pest management for small-scale farmers. Assessment of pest population densities and damage; selection of appropriate methods of control; use of insecticides, fungicides, herbicides and nematicides; chemical and bioassay techniques; equipment/techniques in application; safety precautions. Lectures, practical work, laboratory/field demonstrations, visits to research stations and commercial organizations.
Keywords TROPICAL, PEST

MSTAT-C (Design, Management and Statistical Research Tool for the Computer) Michigan State University		East Lansing, Michigan, USA	98
Begins 00/00/00 Deadline 00/00/00 Duration 5 Days Language E Fees 750 US\$; exclusive of room and board (\$600 for non-profit companies)	1990 AFSR-E Symposium Program Office Institute of Intl Agri., 324 Agri. Hall Michigan State University East Lansing, MI 48824, USA	Phone 517-355-0174 Fax Telex 650-264-1762 MCI	
<p>MSTAT-C is a statistical software package for crops, pesticides, plant breeding, agronomy, variety testing and other similar research areas in field, laboratory or greenhouse. Programmed in C language. Course covers: principles of experimental design; data entry; data analysis; presentation of data; proper file management practices; the use of the statistical computer algorithms; basic commands to write conversion statements. Participants are encouraged to bring experimental data (on paper or in ASCII or LOTUS format) from home country.</p> <p>Keywords RESEARCH, DATA, ANALYSIS, COMPUTER</p>			
Design and Management of Farm Irrigation Systems Colorado State University-CIIM		Fort Collins, Colorado, USA	99
Begins 00/00/00 Deadline 00/00/00 Duration Language E Fees negotiable	Colorado Institute for Irrigation Management 410 University Services Colorado State University Fort Collins, CO 80523, USA	Phone 303-491-2868 Fax Telex 9109309011 CSU CID FTCN	
<p>This course focuses on design and improved farmer management of level basin irrigation systems when appropriate for the country conditions. Design and evaluation theory appropriate for the country will be provided including all types of surface irrigation systems-graded borders and furrows, and traditional systems. Computerized design and evaluation is an important part of the course and will be offered when appropriate. Course offered upon request.</p> <p>Keywords DESIGN, WATER MANAGEMENT, IRRIGATION</p>			
Intensive Training in Population Dynamics, Data Analysis & Modeling for Forecasting Washington State University		Pullman, Washington, USA	100
Begins 00/00/00 Deadline 00/00/00 Duration 15 Days Language E Fees depends on number of students	Alan A. Berryman Department of Natural Resource Sciences Washington State University Pullman, WA 99164-6410, USA	Phone 509-335-3711 Fax Telex BERRYMAN@WSUVM1	
<p>Will provide students with comprehensive overview of population dynamics theory and its application to practical resource and pest management problems. Students will obtain intensive experience with IBM-compatible microcomputer programs for analyzing survey or census data, building mathematical models and using the models for forecasting and testing management alternatives.</p> <p>Keywords DATA, NATURAL RESOURCES, COMPUTER</p>			
Irrigation Engineering Principles Utah State University		Logan, Utah, USA	101
Begins 00/00/00 Deadline 00/00/00 Duration Language E Fees not available	Utah State University Logan, UT 84322-4150, USA	Phone 801-750-2603 Fax 801-750-1248 Telex 3789426 UTAHSTATEU	
<p>This series of 27 videotaped presentations addresses the science of irrigation planning and management. Course contents include: a study of soil-water-plant-atmospheric systems; soil physics; physics of the evapotranspiration process; irrigation scheduling; irrigation efficiencies; flow measurement and irrigation system selection.</p> <p>Keywords ENGINEERING, IRRIGATION</p>			
Surface Irrigation: Design and Evaluation (a Videotape Course and Textbook) Utah State University		Logan, Utah, USA	102
Begins 00/00/00 Deadline 00/00/00 Duration Language E Fees not available	International Irrigation Center Utah State University Logan, UT 84322-4150, USA	Phone 801-750-2603 Fax 801-750-1248 Telex 3789426 UTAHSTATEU	
<p>This series of twenty-four videotaped presentations in surface irrigation and the supporting textbook, consider the design, management and evaluation of surface systems. The importance and function of each surface variable is considered -- a detailed look at the knowledge necessary in the design process and in field evaluation and management.</p> <p>Keywords IRRIGATION, VIDEO</p>			

Development Technology Information Systems

103

VITA

Arlington, Virginia, USA

Begins 00/00/00
Deadline 00/00/00 VITA
Duration 3 Weeks 1815 N. Lynn St., Suite 200
Language E/F/S Arlington, VA 22209, USA
Fees 1,100 US\$; exclusive of room and board

Phone
Fax
Telex

The training program is given in two sessions. Session I is given in French and English. Session II is given in Spanish and English. Each session is divided into two distinct units. Unit one is a practical two-week study of Documentation Center development, Technical Inquiry Service techniques, and Skills Bank development. Unit two provides one week of intense, hands-on experience in computerized information resources management.

Keywords DEVELOPMENT, INFORMATION

Behavior of Chemicals in the Environment

104

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will be adapted to the needs of participants and to meet the specific requirements of individual countries. The course will be of interest to laymen, undergraduate and graduate students and those involved with fundamental research. The course or workshop could be created for the purpose of training trainers as well as training technicians. Course offered upon request.

Keywords ENVIRONMENT

Chemical Residue Analysis

105

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will be adapted to the needs of participants and to meet the specific requirements of individual countries. The course will be of interest to laymen, undergraduate and graduate students, and those involved with fundamental research. The course or workshop could be created for the purpose of training trainers as well as technicians. Course offered upon request.

Keywords ANALYSIS

Environmental Toxicology

106

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will be adapted to the needs of participants and to meet the specific requirements of individual countries. The course will be of interest to laymen, undergraduate and graduate students and those involved with fundamental research. The course or workshop could be created for the purpose of training trainers as well as training technicians. Course offered upon request.

Keywords ENVIRONMENT

Pesticide Chemistry Including Formulations and Chemical and Physical Properties

107

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will be adapted to the needs of participants and to meet the specific requirements of individual countries. The course will be of interest to laymen, undergraduate and graduate students and those involved with fundamental research. The course or workshop could be created for the purpose of training trainers as well as training technicians. Course offered upon request.

Keywords PEST

Economics of Resource Management

108

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Training emphasis is on water and related land resource planning, including soil conservation and water quality control. Topics include: principles of resource management; efficiency, equity and conservation considerations; the valuation of resources; single and multiple-use management; common property resources and externalities; methodologies for cost-benefit trade off and economic impact analysis. Course offered upon request.

Keywords ECONOMICS, NATURAL RESOURCES

Farming Systems Research Methods and Procedures

109

Oregon State University

Corvallis, Oregon, USA

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Training emphasizes identifying and solving problems and assessing new technologies. Topics include: decision making on family farms; use of informal survey techniques; research methods and procedures, including on-farm experimentation; institutional and administrative aspects of implementing farming systems programs; the management of interdisciplinary research projects. Course offered upon request.

Keywords SYSTEMS, RESEARCH

Fisheries Economics

110

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration 6 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

A course designed for: middle and upper-level administrators with responsibility for fisheries or aquaculture management and development; faculty and staff involved with development of curricula in fisheries economics at educational institutions. Topics covered can include: 1) fisheries supply; 2) aquaculture; 3) demand for fish and fish products; 4) markets for fishery products; 5) public policy and research. Course offered upon request.

Keywords FISH, ECONOMICS

Microcomputers for Data Management

111

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will focus on techniques of data management using microcomputers. Training can be adapted to a wide range of desired topics, including: database management applications; microcomputer systems management and coordination; text search technology; use of spreadsheets for feasibility analysis; expert systems applications. Course offered upon request.

Keywords COMPUTER, DATA

Chemical Engineering

112

Oregon State University

Corvallis, Oregon or Host Country, USA/IC

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Among the topics available are the following: 1) heat transfer; 2) chemical reactors; 3) process control; 4) computer-aided design; 5) mass transfer; 6) gas conversion; 7) toxic wastes. Course offered upon request.

Keywords ENGINEERING

Civil Engineering
Oregon State University

Corvallis, Oregon or Host Country, USA/IC 113

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Among the topics available are the following: 1) ocean engineering; 2) water resources; 3) environmental engineering; 4) transportation; 5) structural engineering; 6) geotechnical engineering. Course offered upon request.
Keywords ENGINEERING

Electrical and Computer Engineering
Oregon State University

Corvallis, Oregon or Host Country, USA/IC 114

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Among the topics available are the following: 1) energy systems; 2) computer engineering; 3) systems and control; 4) solid state electronics. Course offered upon request.
Keywords COMPUTER, ENGINEERING

Industrial Engineering
Oregon State University

Corvallis, Oregon or Host Country, USA/IC 115

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course will be adapted to meet the needs of the participants. Among the topics available are the following: 1) computer aided manufacturing; 2) robotics; 3) productivity improvement. Course offered upon request.
Keywords ENGINEERING

Mechanical Engineering
Oregon State University

Corvallis, Oregon or Host Country, USA/IC 116

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Among the topics available are the following: 1) design; 2) materials; 3) mechanics; 4) fluid mechanics; 5) thermal science. Course offered upon request.
Keywords ENGINEERING

Skills Development in Electron Microscopy
Oregon State University

Corvallis, Oregon or Host Country, USA/IC 117

Begins 00/00/00 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 3,000 US\$; per month, exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Personalized programs lasting one to four months tailored to individual requirements. No more than two trainees per course are accepted. Training can cover: biological or materials applications in transmission or scanning electron microscope and support equipment operation; equipment purchase, installation, operator training methods and operations management; instrument performance testing, fault detection/correction and calibration procedures; SEM/x-ray spectrometry with automated image conditioning and analysis.
Keywords RESEARCH

Water Resource and Microclimate Measurements University of Wyoming			118
			Laramie, Wyoming, USA
Begins	00/00/00	International Agricultural Programs	Phone
Deadline	00/00/00	College of Agriculture	Fax
Duration		P.O. Box 3354	Telex
Language	E	Laramie, Wyoming 82071-3354, USA	
Fees	4,777 US\$; includes fees, maintenance and books		
<p>This course will cover the theoretical and practical aspects of water resource and microclimatic measurements. It will include definition of the parameters, description and study of instrumentation, assessment of the reliability of measurements, and techniques for analysis and management of water resources and microclimatic data.</p> <p>Keywords WATER MANAGEMENT</p>			
Computer-Aided Engineering Applications University of Wyoming			119
			Laramie, Wyoming, USA
Begins	00/00/00	International Agricultural Programs	Phone
Deadline	00/00/00	College of Agriculture	Fax
Duration		P.O. Box 3354	Telex
Language	E	Laramie, Wyoming 82071-3354, USA	
Fees	4,777 US\$; including fees, maintenance and books		
<p>Topics covered include: 1) essentials of computer programming; 2) desktop publishing with merged text and paint-graphics on microcomputers; 3) microcomputer-based CAD; 4) spreadsheet-based data presentation graphics on the microcomputer; 5) advanced data presentation graphics; 6) introduction to solid modeling.</p> <p>Keywords COMPUTER, ENGINEERING</p>			
Prediction and Control of Soil Erosion in Production Agriculture University of Wyoming			120
			Laramie, Wyoming, USA
Begins	00/00/00	International Agricultural Programs	Phone
Deadline	00/00/00	College of Agriculture	Fax
Duration		P.O. Box 3354	Telex
Language	E	Laramie, Wyoming 82071-3354, USA	
Fees	4,777 US\$; including fees, maintenance and books		
<p>This course will cover basic principles of prediction and control of soil erosion under natural rainfall and irrigated conditions. Participants will be introduced to the basic wind and water erosion processes and to predictive technology that describes these processes.</p> <p>Keywords SOIL, AGRICULTURE</p>			
Design and Evaluation of Surface Irrigation Systems University of Wyoming			121
			Laramie, Wyoming, USA
Begins	00/00/00	International Agricultural Programs	Phone
Deadline	00/00/00	College of Agriculture	Fax
Duration		P.O. Box 3354	Telex
Language	E	Laramie, Wyoming 82071-3354, USA	
Fees	4,777 US\$, including fees, maintenance, and books		
<p>The course will cover the basic principles of different types of surface irrigation systems, land leveling computations, design and evaluation of systems. Emphasis will be placed both on theory and field activities. Special designs for steep slopes, and designs in the absence of water control will also be covered.</p> <p>Keywords DESIGN, EVALUATION, IRRIGATION</p>			
Evapotranspiration Processes University of Wyoming			122
			Laramie, Wyoming, USA
Begins	00/00/00	International Agricultural Programs	Phone
Deadline	00/00/00	College of Agriculture	Fax
Duration		P.O. Box 3354	Telex
Language	E	Laramie, Wyoming 82071-3354, USA	
Fees	4,777 US\$; including fees, maintenance and books		
<p>This course will cover the theory and calculation procedures of estimating evapotranspiration. Data requirements and limitations will be emphasized and information will be presented to assess the relative accuracies of the various methods. Calculation examples, using existing field data and computer programs, will be performed. Methods for measuring evapotranspiration and the related climatic data will be covered.</p> <p>Keywords COMPUTER</p>			

Mycotoxins Training Course

Natural Resource Institute

Kent, United Kingdom , Europe

123

Begins 03/00/00 Training Contracts Officer
Deadline 00/00/00 Central Avenue
Duration 13 Weeks Chatham Maritime
Language E Kent ME4 4TB , UK
Fees not available

Phone 44-634-880088
Fax 44-634-880066
Telex 263907/8 ODM LDNG.

As a result of attending this course, participants will be able to: obtain representative samples from bulk commodities; select the most appropriate analytical methods; analyse a range of commodities of interest for aflatoxins and other selected mycotoxins; objectively assess the performance of the analytical methods; carry out analyses and efficiently; report the results concisely and clearly. ANNUALLY.

Keywords NATURAL RESOURCES**Techniques in Embryo Transfer**

Louisiana State University

Baton Rouge, Louisiana , USA

124

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration 3 Weeks
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Reproductive endocrinology and anatomy; donor selection; superovulation of donor females; recipient selection and management; estrus synchronization; new techniques in embryo evaluation; new applications of embryo transfer; ET lab set up. Laboratory and hands-on training in: ovarian palpation; embryo collection; embryo transfer; embryo evaluation; embryo culture; embryo micromanipulation; embryo freezing; equine embryo collection and transfer. Courses offered October and May.

Keywords ANIMAL PRODUCTION, GENETIC, BREEDING**Horticultural Crop Management**

Louisiana State University

Auburn, Alabama , USA

125

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Designed to improve knowledge of horticultural crop production management, postharvest handling, packaging, and marketing. Intensive program in fruit, vegetable, and flower production, postharvest handling technology, storage systems, packaging, processing, grading and marketing. Field trips to commercial horticultural farms and university research stations. Introduction to United States and International horticultural trade and marketing policies. Available upon request.

Keywords HORTICULTURE, MANAGEMENT**Horticultural Postharvest Technology**

Louisiana State University

Auburn, Alabama , USA

126

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Fruit, vegetable and flower postharvest handling, packaging and storage technologies. Field trips will be made to commercial horticultural farms, processing plants, university research stations involved in postharvest handling of a wide range of temperate and tropical horticultural crops as well as visits to domestic packers and shippers of horticultural crops common to Louisiana. Course available upon request.

Keywords HORTICULTURE, POSTHARVEST**Aquaculture**

Louisiana State University

Auburn, Alabama , USA

127

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AAGR BTR

This program is designed to give the participant a broad-based educational experience in the areas of pond production systems, sport and commercial fisheries, genetics and breeding, feeds and nutrition, water management, engineering, ecology, economics, marketing, fish health, product development, and value-added processing. A partial list of aquatic species studies includes crawfish, catfish, redfish, prawns, tilapia, carps, largemouth bass and bluegill. Course available upon request.

Keywords AQUACULTURE, FISH

Rice Processing
Louisiana State University

Auburn, Alabama , USA

128

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This program is designed to improve the participant's knowledge of rice processing technologies. The participant is introduced to postharvest loss prevention, grain drying, grain storage, rice milling, by-product utilization, parboiling and quality control. The emphasis is a general introduction to all aspects of rice processing with intense discussion in the fields requested by the participant. Lectures, laboratory sessions and field trips. A training manual is provided. Course available on request.
Keywords FOOD PRODUCTION, POSTHARVEST, FOOD SCIENCE, RICE

Rice Milling
Louisiana State University

Auburn, Alabama , USA

129

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This program is designed to improve the participant's knowledge of rice milling technologies. The participant will receive theoretical, as well as hands-on experience in all phases of rice milling. The program will incorporate the different equipment and configurations, as well as the proper adjustment, principles of operation and maintenance to insure consistent quality of milled rice. A training manual is provided. Course available upon request.
Keywords FOOD PRODUCTION, FOOD SCIENCE, POSTHARVEST, RICE

Rice Drying and Storage Technology
Louisiana State University

Auburn, Alabama , USA

130

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Field trips to drying and storage facilities; discussions of agents and avenues of grain deterioration; atmosphere/water relationships - moisture equilibria in cereal grains; grain losses; economic impact of grain drying; principles of moisture movement; drying systems; aeration systems; purpose and significance of storage; grain storage methods; storage structures; grain handling techniques and control of pests and microorganisms in stored grains. Available upon request.
Keywords STORAGE, FOOD PRODUCTION, RICE

Rice Quality Control
Louisiana State University

Auburn and Crowley, Alabama , USA

131

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Includes theoretical and hands-on experience in rice quality control methods. Grain inspection; rough and milled rice grades and standards; sampling techniques; grading methods and equipment; determination of physical characteristics, moisture, impurities, foreign matter and milling quality; overall quality determination; quality consistency. Field trip to the Federal Grain Inspection Service in Crowley, Louisiana to see first hand government inspection procedures. Available upon request.
Keywords FOOD PRODUCTION, FOOD SCIENCE, RICE

Rice By-Product Utilization
Louisiana State University

Auburn, Alabama , USA

132

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana , USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AG BTR

This program is designed to increase the participant's knowledge in the field of rice by-product utilization. By-product composition; uses; utilization techniques; manufacturing of specialized products from rice residues; energy related technologies for rice straw and rice hulls will be discussed. Course available upon request.
Keywords FOOD PRODUCTION, GRAIN, POSTHARVEST, RICE

Grain Marketing

133

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

Farm level choices, channels of distribution and end uses, sources of information, emerging improvements, and government role. Specific objectives would be: to increase the understanding of grain marketing in the United States with respect to the nature of research and education; sources of information available for study and analysis; strategies employed by growers; domestic uses and exports; physical and ownership channels of distribution; contributions of industry organizations; techniques for reducing market risks; emerging systems; role of federal and state programs. Course available upon request.

Keywords AGRICULTURE, MARKETING, GRAIN

Sugarcane Processing and Production

134

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

The goal is to improve participants' knowledge of modern sugarcane production with emphasis on variety selection, cultural practices, and disease and insect control in order to enable the participant to better serve the needs of his/her institution in these fields. The program is developed with emphasis on areas requested by participants. Field trips, laboratory sessions, and classroom sessions, which cover all aspects of sugarcane processing and production. Course offered between July and September.

Keywords FOOD PRODUCTION, POSTHARVEST, SUGAR

Sugarcane Breeding

135

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This program is designed to improve the participants' knowledge of modern sugarcane breeding techniques with emphasis on parental selection, hybridization and variety selection. The program covers all aspects of modern sugarcane breeding in order to enable the participant to better serve the needs of his/her institution. Courses must start between July and September.

Keywords BREEDING, AGRICULTURE, SUGAR

Sugarcane Technology

136

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This program is designed to improve the participant's knowledge of sugarcane breeding, sugarcane production, sugarcane processing and all other aspects of sugarcane technology. It contains extensive course work, laboratory session and field trips. The program is developed with emphasis on the areas requested by the participant in order for him/her to better serve his/her institution. Course must fall between July and September.

Keywords FOOD PRODUCTION, FOOD SCIENCE, SUGAR

Introductory Sugar Boiling

137

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration 5 Days
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This course is designed for the participant with no sugar boiling experience. This is a five day course in which the participant has one hour of lecture and five hours of sugar boiling laboratory per day. Courses offered August, September and October.

Keywords FOOD PRODUCTION, SUGAR

Advanced Sugar Boiling

138

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration 5 Days
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This course is designed to teach the participant with sugar boiling experience the principles behind successful sugar boiling and the interactions and relationships between the processing steps. This is a five day course in which the participant has two hours of lecture and four hours of calculations and problem solving laboratory per day. Course offered in mid September.

Keywords FOOD PRODUCTION, SUGAR

Chief Chemist

139

Louisiana State University

Auburn, Alabama, USA

Begins 00/00/00 Dr. Lakshman Velupillai
Deadline 00/00/00 P.O. Box 16090
Duration
Language E Baton Rouge, Louisiana, USA
Fees not available

Phone 504-388-6777
Fax 504-388-6775
Telex TWX 5109933217 INT AGR BTR

This course is designed for the chief chemist. The course will go over all data required and calculation for performing daily, weekly, and crop reports. The course will include stock taking procedures and methods of checking computer generated reports against theoretical considerations. Course will be offered early October.

Keywords

Management Training and Development Programme

140

Pakistan Institute of Management

Karachi, Pakistan, Asia

Begins 00/00/00
Deadline 00/00/00 Management House
Duration Shahrah Iran
Language E Clifton, Karachi-6, Pakistan
Fees not available

Phone 531-217
Fax
Telex

PIM offers on a continuing basis a full range of general, functional and industry-specific courses for all levels of managers which enable organizations to meet a wide variety of corporate and individual management development needs over the career span of their managers. For a catalog write to the address above.

Keywords MANAGEMENT

Directory of Educational and Training Opportunities in Fisheries and Aquaculture

141

International Center for Living Aquatic Resources Management

Metro Manila, Philippines, Asia

Begins 00/00/00
Deadline 00/00/00 Int'l Center For Living Aquatic Resources Mngmnt
Duration MCC P.O. Box 1501
Language Makati, Metro Manila, Philippines, Asia
Fees not available

Phone
Fax
Telex

The information herein was the result of a recommendation by the Advisory Committee on Marine Resources Research (ACMRR) and subsequent sponsorship by the Fisheries Department of FAO, to update the listing of institutions in the "Education and Training" issue of the ICLARM Newsletter. For a director, write the address below.

Keywords FISH, AQUACULTURE

International Programs Center/College of Agriculture Courses, Workshops and Training

142

University of Wisconsin-River Falls

River Falls or host country, USA/IC

Begins 00/00/00 Dr. Stephen C. Ridley
Deadline 00/00/00 College of Agriculture
Duration University of Wisconsin-River Falls
Language River Falls, Wisconsin 54022, USA
Fees

Phone 715-425-3535
Fax 715-425-3785
Telex

Cooperative Organization and Management; Dairy Production and Marketing; Livestock Management Techniques; Genetic Improvement of Livestock; Animal Nutrition; Physiology of Lactation; Dairy Cattle Judging; Tropical Animal Health; Milk Handling in the Absence of Refrigeration; Antibiotic and Drug Residues in Milk; Manufactured Dairy Products; Manufactured Meat Products; Microcomputer Applications; Groundwater; Human Environmental Impact; Food Protection and New Food Technologies; Systems Approach to Food Quality Assurance; Irrigation and Drainage; Computer Aided Drafting; Alternate Energy Systems; Sustainable Agriculture. For a catalog, write the address shown above.

Keywords CATALOG

EF International Language Schools Catalog

143

EF International Language Schools

various cities , USA

Begins 00/00/00
Deadline 00/00/00 One Memorial Drive
Duration
Language E Cambridge, Massachusetts 02142 , USA
Fees

Phone 617-252-6100
Fax 617-494-1389
Telex 188387

Students of all English proficiency levels are welcome to begin classes on any Monday of the year. Course length can be any duration from 2 to 50 weeks. EF offers a choice of three levels of course intensity, differing from the number of lessons per week and determined by the language education needs of the student. EF's TOEFL Preparation course provides thorough training for students who are going to apply to an American University. For a catalog write the address shown above.

Keywords CATALOG**Engineering Professional Development Update**

144

University of Wisconsin

Madison, Wisconsin , USA

Begins 00/00/00
Deadline 00/00/00 Engineering Information, The Wisconsin Center
Duration 702 Langdon Street, University of Wisconsin
Language Madison, Wisconsin 53706 , USA
Fees

Phone 800-462-0876
Fax 608-263-3160
Telex

This publication describes the courses in the civil engineering area that will be offered July-December 1991. For a catalog, contact the address shown above.

Keywords ENGINEERING, DEVELOPMENT, CATALOG**French as a Foreign Language**

145

Mediterranean Agronomic Institute

Montpellier, France , Europe

Begins 00/00/00 Center for French as a Foreign Language
Deadline 00/00/00 3191 Route de Mende
Duration
Language F 34060 Montpellier, Cedex, France , Europe
Fees

Phone 67-63-28-80
Fax
Telex 480 783 F

The CFLE offers a wide range of programs to choose from: linguistic training for university students; linguistic training for professionals; written and oral expression; special training for teachers of the French language; language consulting sessions. For a catalog, contact the address above.

Keywords LANGUAGE, CATALOG**Course Schedule - 1991 Group Training**

146

International Center for Agricultural Research in the Dry Areas

, SYRIA/IC

Begins 00/00/00 Training Coordinator Unit
Deadline 00/00/00
Duration P.O. Box 5466
Language Aleppo, Syria , Middle East
Fees

Phone 963-21-213433
Fax
Telex 331208, 331263 ICARDA SY

A listing of long and short-term group courses at ICARDA headquarters, Aleppo, Syria and other sites. For a catalog, contact the address shown above.

Keywords CATALOG**Training Programs - 1991**

147

Tillers International

Kalamazoo, Michigan , USA

Begins 00/00/00 Dr. Richard Roosenberg, Director
Deadline 00/00/00 5239 South 24th Street
Duration
Language E Kalamazoo, Michigan 49002-2109 , USA
Fees

Phone 616-344-3233
Fax
Telex

Hands-on practical exercises and demonstrations; animal-powered farming; supporting skills in metal and woodworking; a wide spectrum of options in appropriate technologies for - local innovation, increased productivity, employment generation and rural development. For additional information, contact the address above.

Keywords CATALOG

Senior Research Fellowship

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad, India , Asia

148

Begins 00/00/00 Human Resource Development Program
Deadline 00/00/00 Principal Training Officer, ICRISAT
Duration Patancheru P.O.
Language E Andhra Pradesh 502 324, India , Asia
Fees not available

Phone 91-842-224016
Fax 91-842-241239
Telex 422203 ICRI IN

These fellowships are for scientific disciplines related to ICRISAT's mandate to provide hands-on research experiences by working with a team of senior scientists. The candidate must hold a PhD degree or equivalent and have more than 7 years experience after the degree (any stipend will be based on the fellow's national fellowship and salaries). Course will run 3-12 months.

Keywords RESEARCH**Research Fellowship**

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad, India , Asia

149

Begins 00/00/00 Program Leader
Deadline 00/00/00 Principal Training Officer, ICRISAT
Duration Patancheru P.O.
Language E Andhra Pradesh 502 324, India , Asia
Fees 5,300 Rs.; stipend per month if supported by ICRISAT

Phone 91-842-224016
Fax 91-842-241239
Telex 422203 ICRI IN

These fellowships are for national scientists (MSc or PhD equivalent) to study with international research scientists to acquire specific research skills and development technologies. Individualized programs are provided to stimulate a systems approach in the areas requested by the fellow.

Keywords RESEARCH**Artificial Insemination Management Schools for 1991**

American Breeders Service

various cities , USA

150

Begins 00/00/00 Dr. James M. Dawson
Deadline 00/00/00 6908 River Road
Duration
Language E Deforest, Wisconsin 53532 , USA
Fees various

Phone 603-846-3721
Fax 608-846-6444
Telex 265426 AMBREED DFST

Courses scheduled in various cities in three regions: (Region 010) IL, IN, KY, MI, MO, WI; (Region 050) IA, MN, MD, SD; (Region 060) AR, CO, IA, KS, MO, MT, ND, NE, OK, SD, TX, UT, WY. For a schedule, contact the address shown above.

Keywords MANAGEMENT, ANIMAL PRODUCTION, ANIMAL SCIENCE**Use and Management of Nitrogen Fixing Trees in Sustainable Rural Land Use Systems**

University of Hawaii

Honolulu, Hawaii , USA

151

Begins 00/00/00
Deadline 00/00/00 College of Trop Ag & Human Res, Univ. of Hawaii
Duration Gilmore Hall, Rm. 214, 3050 Maile Way
Language Honolulu, HI 96822 , USA
Fees not available

Phone
Fax
Telex

Keywords MANAGEMENT, SUSTAINABLE, RURAL**Boletin Informativo**

AGRIDEDEC - Agricultural Development Consultants, Inc.

152

Begins 00/00/00
Deadline 00/00/00 10850 Southwest 113th Place
Duration
Language S Miami, Florida 33176 , USA
Fees

Phone 305-270-2555
Fax 305-274-7351
Telex

AGRIDEDEC offers several courses specializing in Seed Technology. For more information, contact the address above.

Keywords SEED, GENETIC, MAIZE, CATALOG

Agroforestry at Bangor

University College of North Wales

Bangor, Gwynedd, UK , Europe

153

Begins 00/00/00 Fergus Sinclair
Deadline 00/00/00 School of Agricultural and Forest Sciences
Duration
Language E Bangor LL57 2UW, Gwynedd, UK , Europe
Fees not available

Phone
Fax 44-248-354997
Telex

Agroforestry at Bangor is an expanding interdisciplinary program of education and research in the principles and practice of sustainable land use to produce appropriate balances of food, fuel, timber and other products. This involves the consideration of trees, crop plants, livestock and people and their interactions with one another in farming and forest systems.

Keywords AGROFORESTRY**Forestry and Agroforestry Training and Education**

Wolverhampton Polytechnic

Walsall, UK , Europe

154

Begins 00/00/00 Agricultural Education & Training Unit
Deadline 00/00/00 Gorway Road
Duration 12 Weeks
Language E Walsall WS1 3BD, UK , Europe
Fees not available

Phone
Fax 44-922-722099
Telex

Considerable interest is placed on the individual requirements of participants who, after studying a range of basic training methods, are encouraged to select and apply them to their own subject area and job description. Units of study: planning training programs; training methods; production of training resources and evaluation of training.

Keywords FORESTRY, AGROFORESTRY**International Agriculturalist Program**

Land O'Lakes

Upper Midwest and West , USA

155

Begins 00/00/00 International Development
Deadline 00/00/00 P. O. Box 116
Duration
Language E Minneapolis, MN 55440 , USA
Fees not available

Phone 612-481-2508
Fax 612-481-2575
Telex 212333 ILOL UR

Customized Agribusiness Internship. Internships vary in length according to needs and time constraints. Programs run year-round with six different start dates annually. All internship programs include a one-week orientation and a one-week practical application workshop. Duration of internship 2 weeks to 1 year.

Keywords AGRICULTURE**Donkeys, Mules and Horses in Tropical Agricultural Development**

University of Edinburgh

Institute Hassan II, Rabat , Morocco

156

Begins 04/00/94 Dr. D. Fielding
Deadline 00/00/00 Unived Technologies Ltd.
Duration 4 Days 16 Buccleuch Place
Language F/E EH8 9LN, Scotland, UK , Europe
Fees not available

Phone
Fax
Telex

Objectives: to review utilization and importance of equines in tropical (and sub tropical) countries; to review technical aspects of tropical equine production; to assess future role of tropical equines; to identify equine policy, research and extension priorities.

Keywords ANIMAL POWER, ANIMAL SCIENCE, TROPICAL**Fodder Tree Legumes - Multipurpose Species for Agriculture**

University of Queensland

Queensland , Australia

157

Begins 11/02/92 Course Secretariat: Fodder Tree Legumes
Deadline 09/30/92 UniQuest Limited
Duration 7 Weeks University of Queensland
Language E St. Lucia, Queensland 4067 , Australia
Fees 12,000 Australian \$; exclusive of air fares

Phone 61-7-365-4037
Fax
Telex AA40315

Course will consist of lectures, demonstrations and field visits to update knowledge with the latest information on the use of fodder tree legumes in agriculture. Field inspections will be made to research stations and to commercial properties. Course will be relevant to those interested in using tree legumes to: improve the availability of forage in smallholder systems; develop sustainable agroforestry farming practices; protect grazing and cropping lands from degradation.

Keywords FUELWOOD, AGROFORESTRY

Food and Nutrition Programme Management

158

International Agricultural Centre

Wageningen, Netherlands

Begins 10/28/92 Director
Deadline 08/01/92 P.O. Box 88
Duration 6 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,500 dutch guilders

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Two main subjects are management, food and nutrition, and primary health care (PHC). Topics to include: organizational effectiveness, analysis and design; planning, executing and enabling; personnel; monitoring and evaluating; finance and budgets; inter- and intra-sectoral collaboration; concepts and practical issues of PHC; food, nutrition and agriculture; nutrition in PHC; issues of contemporary nutritional concerns (nutrition and infection, growth monitoring, information systems; community participation; communications.

Keywords NUTRITION, MANAGEMENT**Forestry for Rural Development**

159

International Training Center

Netherlands, Europe

Begins 10/00/92 ITC Student Registration Office
Deadline 08/01/92 P. O. Box 6
Duration 8 Months
Language E 7500 AA Enschede, Netherlands, Europe
Fees 31,040 Dutch guilders

Phone (053) 320330
Fax
Telex 44525 ITD NL

Post-Graduate Diploma course. This course is designed for foresters, agricultural extension specialists and rural development officers responsible for the implementation of community forestry projects and other rural development programs with important tree components, as well as specialists engaged in training in these fields.

Keywords FORESTRY, RURAL, EXTENSION**Management of Rural Projects and Their Evaluation**

160

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 09/28/92 Hamish Macandrew or Edith Field
Deadline 08/01/92 Unived Technologies Ltd.
Duration 10 Weeks 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 3,478.75 british pounds; accommodations extra 450 british pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

Designed for professional staff who will have the responsibility of overseeing and evaluating development projects. The course aims to develop financial, planning and managerial skills essential for the best use of scarce resources within projects.

Keywords MANAGEMENT, EVALUATION, RURAL, PROJECT**Extension for Women in Agriculture in the Tropics**

161

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 09/15/92 Hamish Macandrew or Edith Field
Deadline 09/01/92 Unived Technologies Ltd.
Duration 12 Weeks 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 3,830 british pounds; accommodations extra 500 british pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

Based on the "Agricultural Extension Technology in the Tropics" course, this course combines training in extension with the expertise needed to understand socio-economic barriers faced by women. It involves identifying the specialized role of women in farming, recognising improvements required in advice and training for women, and examining the organizational skills required for women's co-operatives. Includes an optional 2-week on-farm trials option.

Keywords EXTENSION, WOMEN, TROPICAL, GENDER**On Farm Trials Techniques**

162

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 09/15/92 TROPAG Office
Deadline 08/01/92 School of Agriculture
Duration 2 Weeks West Mains Road
Language E Edinburgh EH9 3JG, UK
Fees 705 British pounds; accommodations extra 83 Bp

Phone 031-667-1041 X375
Fax 031-667-2601
Telex 727617 ESCA G

Designed to compliment the longer TROPAG courses, but nevertheless standing as an independent unit this is a 2-week advanced course for research scientists and agricultural extension staff which provides practical instruction in trialling methods for crops, agroforestry and farm animals in both developed and developing countries.

Keywords RESEARCH, AGRICULTURE, EXTENSION, AGROFORESTRY

The Design of Community Forestry

International Agricultural Centre

Wageningen, Netherlands

163

Begins 08/31/92 Director
Deadline 06/10/91 P.O. Box 88
Duration 15 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,800 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

To provide participants with information, wider viewpoint and tools required to conceptualize, plan, implement and evaluate programs and projects in field of community forestry. The course aims to broaden awareness of social, economic and institutional aspects in their interrelationships with technical and ecological issues of forestry in rural development. Emphasis on integration of these aspects and issues in the design of community forestry programs.

Keywords FORESTRY, DESIGN, AGROFORESTRY

Pig Husbandry

International Agricultural Centre

Wageningen, Netherlands

164

Begins 08/24/92 Director
Deadline 05/07/92 P.O. Box 88
Duration 6 Months
Language E 6700 AB Wageningen, Netherlands
Fees 1,500 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Lectures, field practicals and excursions are designed to provide learning in: genetics and breeding; economics; hygiene and disease prevention; housing, nutrition and feeding; animal evaluation; experimentation; other topics. Under expert guidance they will learn how to work and manage a pig farm and be expected to accept certain daily responsibilities. Workshops on extension training, pedagogy and farm management. Requires willingness to perform manual farm work.

Keywords SWINE, GENETIC, FEED, ANIMAL SCIENCE

Sustaining Sheep Production in the Tropics

Queensland Department of Primary Industries

Various Australian Cities, Australia

165

Begins 08/24/92 Director General
Deadline 06/30/92 Primary Industries Building, 80 Ann. Street
Duration 7 Weeks GPO Box 46
Language E Brisbane Q 4001, Australia
Fees 12,000 US\$; accommodations, living expenses, textbooks and fees

Phone 61-7-2393302
Fax 61-7-2213893
Telex AA 142149

This course includes lectures, seminars, visits to farms and research stations. There will be an emphasis on many aspects of practical sheep handling.

Keywords SHEEP, TROPICAL

Land Drainage

International Agricultural Centre

Wageningen, Netherlands

166

Begins 08/19/92 Director
Deadline 05/01/92 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,000 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Intended for those in planning, design and management of agriculture land-drainage projects, especially in developing countries. Program discussions and exercises will be held in introductory subjects, principles of land drainage surveys and investigations for drainage problems, engineering aspects, and case studies. Opportunities to study subsurface drainage for salinity control available. Required BSc agronomy, civil engineering or hydrology, 3 yrs exper minimum.

Keywords IRRIGATION, SOIL, WATER

Dairy Farming in Rural Development

International Agricultural Centre

Wageningen, Netherlands

167

Begins 08/17/92 Director
Deadline 05/01/92 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 3,700 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

The course will refresh and provide new information on: animal nutrition; grassland management; fertility and artificial insemination; breeding; tropical forages; management; care and housing; hygiene and disease control; design and analysis of simple experiments; economics and credit. Course is for persons, mainly from developing countries, working in dairy husbandry and development. Need BSc in agriculture or veterinary science and 3 years experience in dairy cattle.

Keywords ANIMAL SCIENCE, DAIRY

Computer Simulation for Crop Growth and Nutrient Management

168

International Fertilizer Development Center

Muscle Shoals, Alabama, USA

Begins 08/10/92 Ram S. Giroti, Training Administrator
Deadline 07/10/92 International Fertilizer Development Center
Duration 2 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,400 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Construction of a comprehensive simulation model of crop growth and nutrient dynamics and its application to real world problems. CERES and GRO crops simulation models, application of the simulation models to fertilizer, cropping and environmental problems, techniques for data-base management, obtaining data for use in simulation modeling studies, and integrating crop models with data-base management and geographic information systems.

Keywords COMPUTER, PLANT SCIENCE**Fertilizer Use and Extension (Soil Fertility Mgmt for Sustainable Agriculture)**

169

International Agricultural Centre

Wageningen, Netherlands

Begins 08/08/92 Director
Deadline 06/01/92 P.O. Box 88
Duration 8 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 6,000 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

This in-service course aims to provide participants with information, tools and insights on how to make farmers achieve the production potential using fertilizers in conjunction with improvements in related production factors. B.Sc. or equivalent in agriculture and 3 years working experience in soil fertility and/or extension is required.

Keywords FERTILIZER, EXTENSION, SUSTAINABLE**Food Processing: Quality Assurance and Marketing in Food Processing Enterprises**

170

International Agricultural Centre

Wageningen, Netherlands

Begins 08/04/92 Director
Deadline 05/15/92 P.O. Box 88
Duration 13 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 6,500 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

This in-service course aims to broaden participants' views on problems of small/medium scale food processing, to upgrade knowledge concerning the analysis of these problems and the selection of appropriate technology, and to impart techniques for implementation, focussing on quality assurance and marketing. Minimum B.Sc. or equivalent in food technology, agricultural engineering, agricultural economics or related agricultural or management sciences and 3 years experience related to food processing is required.

Keywords FOOD PRODUCTION, MARKETING**Vegetable Production**

171

International Agricultural Centre

Wageningen, Netherlands

Begins 08/03/92 Director
Deadline 04/23/92 P.O. Box 88
Duration 14 WEEKS
Language E 6700 AB Wageningen, Netherlands
Fees 4,400 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Extends and deepens participant knowledge of vegetable production. Discussions on problems in vegetable production in home country. Acquaints participants with Dutch research and Dutch methods. Program includes: activities on seeds; climate and soil factors; seedling production; variety testing; soil fertility; horticultural engineering; plant protection; post-harvest handling; economics and extension. At least BSc level, minimum 3 years experience, trained specialists.

Keywords PLANT SCIENCE, VEGETABLE**International Crop Science Congress**

172

Iowa State University

Ames, Iowa, USA

Begins 07/14/92 Chair, International Crop Science Congress
Deadline 06/01/92 Agronomy Department
Duration 1 Week Iowa State University
Language E Ames, IO 50010, USA
Fees Information not available

Phone 515-294-1163
Fax
Telex 283359 IASU UR

Presentation and discussion of recent research results; integrate and apply knowledge from crop science to biodiversity, sustainable agriculture, cropping systems, global climate change, and the physiology and genetics of crop adaptation and productivity; proposals for future thrusts in research and development; examine future scientific and education needs and directions of crop-based agriculture; initiate and nurture scientific and educational partnerships.

Keywords PLANT SCIENCE, AGRONOMY

Training for Trainers of Extension Workers

173

International Agricultural Centre

Wageningen , Netherlands

Begins 07/13/92 Director
Deadline 03/20/92 P.O. Box 88
Duration 2 Weeks
Language E 6700 AB Wageningen , Netherlands
Fees 3,750 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Open to middle- to senior-level professionals who function as trainers of extension staff or trainers of trainers. Course deals with: basic learning skills; learning methods; preparation, management and evaluation of training programs; impact assessment. Available only to International Course Rural Extension participants.

Keywords EXTENSION, TRAINING**Management of Extension Programmes**

174

International Agricultural Centre

Wageningen , Netherlands

Begins 07/13/92 Director
Deadline 03/20/91 P.O. Box 88
Duration 2 Weeks
Language E 6700 AB Wageningen , Netherlands
Fees 3,750 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Designed for strongly motivated middle or higher level professionals with senior managerial function in extension. Course deals with: the role of the manager as decision maker; managerial styles and skills development; policy, planning and evaluation. All exercises and discussion will be of direct relevance to participant functions as manager or trainer. Available only to International Course Rural Extension participants.

Keywords EXTENSION, MANAGEMENT, RURAL**Research Extension Linkages**

175

International Agricultural Centre

Wageningen , Netherlands

Begins 07/13/92 Director
Deadline 03/20/92 P.O. Box 88
Duration 2 Weeks
Language E 6700 AB Wageningen , Netherlands
Fees 3,750 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS FL

This in-service course deals with: problems between farmers; research and extension; solutions; quantitative versus qualitative research; adaptation of experimental designs to available inputs. Open to middle/higher level professionals including extension staff, researchers and subject-matter specialists, collaborating closely together. Open only to International Course Rural Extension participants.

Keywords EXTENSION, RESEARCH, RURAL**Environmental Management in Developing Countries**

176

University of East Anglia

Norwich, United Kingdom , Europe

Begins 07/00/92 The Course Director, Overseas Development Group
Deadline 05/00/92 University of East Anglia
Duration 10 Weeks
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees information not available

Phone 0603-57880
Fax
Telex 975197 UEACPC G for ODG

The course takes an explicit interdisciplinary approach to environmental management in developing countries. This is reflected in the intake of both natural scientist and social scientists and policy makers. The skills from natural and social sciences will be brought together to provide a holistic way of developing appropriate policies to manage the environment.

Keywords ENVIRONMENT, MANAGEMENT**Agricultural Policy Analysis**

177

University of East Anglia

Norwich, United Kingdom , Europe

Begins 07/00/92 The Course Director, Overseas Development Group
Deadline 00/00/00 University of East Anglia
Duration 8 Weeks
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees not available

Phone 0603-57880
Fax
Telex 975197 UEACPC G for ODG

Training will focus on analytical methods and quantitative techniques which will indicate major policy choices and their consequences, and main areas where further data collection and analysis may be worthwhile. Directed towards the needs of professionals whose work will typically be in the planning unit of a Ministry of Agriculture or Planning or of a major parastatal corporation. Policy choices will be evaluated in terms of their impact upon multiple development objectives, including economic growth and stability, food security, poverty alleviation and rural/urban balance.

Keywords POLICY, ANALYSIS

Legume Science for Developing Countries

178

University of East Anglia

Norwich, United Kingdom , Europe

Begins 07/00/92 The Course Director, Overseas Development Group
Deadline 05/00/92 University of East Anglia
Duration 10 Weeks
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees information not available

Phone 0603-57880
Fax
Telex 975197 UEACPC G for ODG

Designed for people involved in all facets of legume science, from socio-economist and agronomist to plant breeders, nutritionists and processors. The course provides a wide coverage of all the topics in legume science, and would help workers to widen their knowledge of the subject and to keep up with recent advances. Course outline: Socio-economic importance of legumes; Legumes in farming systems; Nutritional aspects; Legume storage; Legume processing; Legume genetics; Legume improvements.

Keywords PLANT SCIENCE, NUTRITION, STORAGE, GENETIC

Agricultural Planning

179

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 07/00/92 TROPAG Office
Deadline 00/00/00 School of Agriculture
Duration 13 Weeks West Mains Road
Language E Edinburgh EH9 3JG , UK
Fees 3,900 British pounds + VAT @ 15%

Phone 031-662-4353
Fax 031-667-2601
Telex 727617 ESCA G

Course includes: 1) methods used for integrated planning in agriculture; 2) economic evaluation and project management; 3) reconciliation of conflicting multiple objectives; 4) preparation of a relevant case study.

Keywords AGRICULTURE, PLANNING

Regional Land Use Planning

180

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 07/00/92 Tropag Office
Deadline 05/01/92 School of Agriculture
Duration 13 Weeks West Mains Road
Language E Edinburgh EH9 3JG , UK
Fees 3,900 British pounds + VAT @ 15%

Phone 031-622-4353
Fax 031-667-2601
Telex 727617 ESCA G

Course covers: 1) awareness of the need to improve regional management of agricultural resources; 2) resource conservation: saving energy, more flexible and durable buildings, reducing pollution, recycling waste and increasing the green and growing areas; 3) implications for national, regional and local strategies.

Keywords PLANNING, LAND USE

Long-Term Development Planning

181

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 07/00/92
Deadline 05/01/92 School of Agriculture
Duration 13 Weeks West Mains Road
Language E Edinburgh EH9 3JG , UK
Fees 3,900 British pounds + VAT @ 15%

Phone 031-662-4353
Fax 031-667-2601
Telex 727617 ESCA G

Course covers: 1) resource accounting and carrying capacity assessment, 2) application of the system dynamics model, ECCO, in identifying alternative strategies for long-term development; 3) implications for national, regional and local strategies.

Keywords DEVELOPMENT, PLANNING

Integrated Pest Management

182

Cornell University

Ithaca, New York , USA

Begins 07/00/92 James E. Haldeman, Chief
Deadline 05/00/92 Department of Communication
Duration 12 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853 , USA
Fees not available

Phone 607-255-3035
Fax 607-255-1005
Telex 559020 INTAG CORNELL

The goal of this course is to provide the participants with the ability to train others in the most effective, economical and environmentally compatible methods of pest control. The course will consist of daily sessions of presentation and discussion periods, and visits to laboratories, research plots, IPM projects in operation, processing plants, wholesale markets and other appropriate facilities.

Keywords PEST

82

Plant Genetic Resource Conservation

University of California

Davis, California, USA

183

Begins 06/22/92 Intl. Training and Education Center
Deadline 05/25/92 University Extension
Duration 3 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees not available

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Theory and principles of genetics relevant to practices of genetic resources conservation; distribution and maintenance of genetic variability in populations; overview of techniques for estimating genetic variability; effects of storage, increase and harvesting on genetic variability in collections; collection strategies for optimum sampling of genetic variability; evaluation and utilization of genetic variability for crop improvement; gene bank management.

Keywords PLANT PROTECTION, PLANT SCIENCE, GENETIC, AGRONOMY

Rural Extension

International Agricultural Centre

Wageningen, Netherlands

184

Begins 05/15/92 Director
Deadline 03/20/92 P.O. Box 88
Duration 4 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,200 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Provides extension workers with insights and views on making extension more effective in development. Introduction the ICRE approach; communication aspects which facilitate exchange of experiences; introduction to the systems approach and rapid rural appraisal as analytical tool; 4 day field trip; shows extension as an instrument to promote rural development (problem and objectives analyses, needs assessment, participation); extension management (situation analysis, planning/programming, decision making, evaluation).

Keywords RURAL, EXTENSION

Methods and Management of Practical Agricultural Training

Thessaloniki International Training Programs

Thessaloniki, Greece, Europe

185

Begins 06/11/92 Dr. David Willis, Associate Director
Deadline 01/01/92 c/o American Farm School
Duration 3 Weeks P.O. Box 10140
Language E 54110 Thessaloniki, Greece, Europe
Fees 2,500 US\$; inclusive of room, board and incidentals

Phone 30-31-471-802
Fax
Telex 30-31-412-508 AERO GR

Designed to provide experience and discussions in: planning and conducting educational programs for youth and adults; utilizing the farm-school concept; approaches to community development; creating hands-on educational experience. Special emphases is placed on techniques for including practical skill development and management training in agriculture. For teachers, administrators of instructional programs in agriculture and in developing countries. Additional courses 06/11/92 and 06/11/93.

Keywords TRAINING, AGRICULTURE

Stage sur les Plantes de Pommes de Terre

International Agricultural Centre

Wageningen, Netherlands

186

Begins 06/08/92 Director
Deadline 03/01/92 P.O. Box 88
Duration 3 Weeks
Language F 6700 AB Wageningen, Netherlands
Fees 3.250 Florins hollandais

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Ce stage est organisé à l'intention des fonctionnaires venant des pays francophones qui prennent une part active aux programmes de production de pommes de terre ou de plants de pommes de terre. Pendant trois semaines on essaiera d'initier les stagiaires aux connaissances pratiques et théoriques des techniques culturales, de la conservation, et des principales méthodes de contrôle appliqués au laboratoire.

Keywords STORAGE, PLANT SCIENCE, PRODUCTION, POSTHARVEST, HORTICULTURE

Data Collection, Analysis and Projections for Fertilizer

International Fertilizer Development Center

Alabama, Nashville, Tennessee and Washington, D.C., USA

187

Begins 06/08/92 Ram S. Giroti, Training Administrator
Deadline 03/06/92 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Data collection and analysis, fertilizer demand projections, use of computers and analytical methods in analysis. Fertilizer data storage and retrieval systems for sector studies. Visits to U.S. Federal and State Agricultural Departments and World Bank.

Keywords DATA, ANALYSIS, FERTILIZER

Advances in Fertilizer and Irrigation Technology in the United States

188

International Fertilizer Development Center

CA, AZ, LA, KS, MO, AL, USA

Begins 06/08/92 Ram S. Giroti, Training Administrator
Deadline 05/11/92 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

U.S. agriculture and fertilizer industry; modern fertilizer technology, modern irrigation technology, drip irrigation, center pivot system, hydroponic system, maximum economic yield, fertilizer marketing in the future. Fertilizer use trend worldwide. Environmental impact of fertilizer production and use.

Keywords FERTILIZER, IRRIGATION**Environmental Management for International Development**

189

Graduate School, USDA

Washington, D.C., USA

Begins 06/01/92 Dr. Robert Mashburn, Director
Deadline 05/03/91 International Education and Training
Duration 4 weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,950 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Course combines the concerns of environmentalists with the economic development needs of nations into practical, achievable and integrated objectives and programs. Look at methodologies and techniques for making environmental impact assessment an integral part of the development process. Topics include: building environmental ethics; understand the planet; ecological economic-strategies for environmentally sustainable development; controlling pollution; environmental policies; management and assessment. Additional course offered 06/01/92.

Keywords ASSESSMENT, ENVIRONMENT, ECOLOGY**Glasshouse Crop Production**

190

International Agricultural Centre

Wageningen, Netherlands

Begins 05/18/92 Director
Deadline 02/15/92 P.O. Box 88
Duration 4 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 5,200 Dutch guilders; excluding room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Comprises an integration of various technologies used in intensive crop economics, such as: knowledge of plants; soil/water relationship; fertility problems; structure, materials and design of glasshouses; technology of climate control; use of machines and equipment; marketing and management. These aspects will be setup as follows: background; glasshouse technology and management; plant physiology and crop production; improvement of support services. Must have BSc degree or equal and experience/position dealing with glasshouse production.

Keywords SYSTEMS, PLANT SCIENCE**Agricultural and Extension Education: Preparing for the 21st Century**

191

Ohio State University

Columbus, Ohio, USA

Begins 05/12/92 Dr. Richard Clark
Deadline 11/15/91 203 Agricultural Administration Building
Duration 1 Week 2120 Fyffe Road
Language E Columbus, Ohio 43210, USA
Fees 30 US\$; fees and materials

Phone 614-292-0202
Fax 614-292-7007
Telex 27289 OSUA UR

Keywords AGRICULTURE, EXTENSION, EDUCATION**Animal Reproduction**

192

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 04/27/92
Deadline 05/15/91 Mediterraneo Institute Agronomic de Zaragoza
Duration 7 Weeks Apartado 202
Language S/F/E 50080 Zaragoza, Spain, Europe
Fees 100,000 Spanish pts.; excluding room and board

Phone 76-57-60-13
Fax 76-57-63-77
Telex 58672 IAMX E

Topics include: basis mechanisms (endocrinology-cell regulation, neuroendocrinological regulations, male/female gametogenesis, puberty, anoestrus and sexual cycle); sexual behavior and reproduction factors (male/female behavior fertilization and implementation, pregnancy and parturition); improvement of reproductive efficiency (seasonality/photoperiod, nutrition/reproduction and genetics of reproduction); technology of reproduction (embryo transfer, IVF, technology of semen, cryobiology of sperm and different species).

Keywords ANIMAL PRODUCTION

Statistics for Development Policy

193

Institute of Development Studies

Brighton, United Kingdom, Europe

Begins 04/27/92 The Chairman, Teaching Area
Deadline 02/27/92 University of Sussex
Duration 13 Weeks
Language E Falmer, Brighton BN1 9RE, United Kingdom, Europe
Fees 7,460 British pounds; course fees, accommodations and breakfast

Phone 0273-60-6261
Fax 0273-67-8420
Telex 877997 UDSBTN G

To develop: policy orientation to recognize that statistical information is only of value if it is actually used to promote national welfare and to assess statistical priorities to meet the requirements of policy makers; technical ability to select and apply the appropriate methodology in a given situation; managerial skills to ensure that staff and resources are used in the most cost-effective manner and that projects are completed on time and within budgetary constraints.

Keywords STATISTICS, DEVELOPMENT, POLICY**Cross-Cultural Management Program**

194

University of Manchester

Manchester, United Kingdom, Europe

Begins 04/27/92 Kate Levene
Deadline 03/21/92 Institute for Development Policy and Management
Duration 3 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 1,650 British pounds; inclusive of self-catering accommodations

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE G attn. IDPM

The objectives of the study program are to: increase participants' awareness of the problems of transferring managerial theories and styles between communities; to increase their ability to deal with these problems through the provision of specific skills. Finding practical solutions to the specific intercultural problems of individual participants' work situations will form an important element of the course.

Keywords MANAGEMENT, CULTURE**Potato: Production, Storage and Seed Technology**

195

International Agricultural Centre

Wageningen, Netherlands

Begins 04/14/92 Director
Deadline 01/10/92 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 3,700 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Knowledge and understanding of potato physiology, growth, production, seed production and supply, storage, handling and utilization, breeding and varieties, diseases and pests, and program development. Programme includes: lectures; practical training; demonstrations; exercises; discussions and excursions. Participants should be prepared to report on and discuss potato production in their country. Requires BSc in agriculture and 3 years experience.

Keywords PLANT SCIENCE, SEED, STORAGE**Seed Production and Seed Technology**

196

International Agricultural Centre

Wageningen, Netherlands

Begins 04/08/92 Director
Deadline 01/20/92 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,200 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Designed for persons with B.Sc. minimum, at least 3 yr experience in seed technology or related field and good command of English. Programs comprised of lectures, practical training, demonstration, discussion and excursions. Topics include: introduction to plant breeding; seed production agronomy; seed processing; quality control; seed distribution; role of quality seed in agriculture development. Case studies are used on specific horticultural and agriculture crops and groups of crops. Excursions are made to government institutions and leading seed firms.

Keywords PLANT SCIENCE, SEED, AGRONOMY**Waterlogging and Salinity Technical Study Tour of U.S. Western States**

197

Utah State University

Utah, Colorado, Arizona, California, USA

Begins 04/08/92 International Irrigation Center
Deadline 03/01/92
Duration 4 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 2,475 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Also available on request. Covers several irrigation and drainage districts with particular emphasis on America's most fully utilized river basin - the Colorado. Waterlogging and salinity problems and their effects on irrigated agriculture are studied. Processes for analyzing and developing cost effective solutions are presented. Soil and water conservation approaches are reviewed. Field measurement techniques necessary for design and installation of farm drainage systems are covered.

Keywords IRRIGATION, WATER

Recent Advances and Current Concepts in Tropical Veterinary Medicine

198

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 04/06/92 Hamish Macandrew or Edith Field
Deadline 03/01/92 Unived Technologies Ltd.
Duration 2 Weeks 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 1,720 british pounds; inclusive of room and board

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

Designed specifically for veterinarians. Objectives are to review recent advances in animal health in the tropics and to consider the implications of these advances, alongside current concepts, in the organization of animal health and production programs. Major topics include: ticks and tickborne diseases; trypanosomiasis; helminth; bacterial and viral diseases; poultry diseases; computer assisted data processing; vet epidemiology.

Keywords VETERINARY, ANIMAL SCIENCE, TROPICAL

Tropical Pasture Seed Production

199

Queensland Department of Primary Industries

Various Australian Cities, Australia

Begins 04/01/92 Director General
Deadline 01/31/92 Primary Industries Building, 80 Ann Street
Duration 6 Weeks GPO Box 46
Language E Brisbane Q 4001, Australia
Fees 11,000 US\$; room, board, tuition, fees and textbooks

Phone 61-7-2393302
Fax 61-7-2213896
Telex AA142149

There will be lectures, demonstrations and practical work in seed production techniques. In addition, the course will include visits to farms, seed processors, merchants and various research stations. Also, there will be some days where items of special interest to participants can be discussed.

Keywords TROPICAL, PASTURE, SEED

Feeding and Production of Dairy Cattle in the Tropics

200

Queensland Department of Primary Industries

Gympie, North and South-East Queensland, Australia

Begins 03/26/92 Director General
Deadline 01/26/92 Primary Industries Building, 80 Ann Street
Duration 4 Weeks GPO Box 46
Language E Brisbane Q 4001, Australia
Fees 7,800 US\$; including room, board, materials and travel

Phone
Fax
Telex

Feeding of dairy cattle is the central theme of this course. The integration of tropical pastures with other sources of feed to produce high quality milk will be discussed and demonstrated during the course. The role of tropical and temperate pastures as the basis of sound nutrition for cattle will be emphasized. Practical sessions will include cut and carry feeding and other cattle handling procedures as well as pasture assessment.

Keywords DAIRY, CATTLE, TROPICAL, PRODUCTION, FEED

Plant Protection (With Emphasis on IPM)

201

International Agricultural Centre

Wageningen, Netherlands

Begins 03/24/92 Director
Deadline 01/15/92 P.O. Box 88
Duration 15 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,200 Dutch guilders; exclusive of board and room

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

Intended for university trained specialists mainly from developing countries, engaged in advising farmers and growers on all aspects of plant protection, as well as for plant protection teachers at secondary schools. Objective is to create and stimulate an awareness of the role of plant protection and provide an insight into methodology followed in identifying problems and developing solutions. There will be lectures and demonstrations. Participants should have several years experience in plant protection.

Keywords PLANT PROTECTION, PLANT SCIENCE, AGRONOMY, PEST

Phosphate Fertilizer and the Environment

202

International Fertilizer Development Center

Tampa, Florida, USA

Begins 03/23/92 Ram S. Giroti, Training Administrator
Deadline 02/24/92 International Fertilizer Development Center
Duration 1 Week P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 700 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Environmental impact of phosphate fertilizer production, phosphate fertilizer solubility criteria for selected crops and agroclimatic regions. Optimizing phosphate fertilizer production and use in the context of improved environmental protection.

Keywords FERTILIZER, ENVIRONMENT

Waterlogging, Drainage and Salinity Control

203

Utah State University

Utah, Colorado, Arizona, California, USA

Begins 03/22/92 International Irrigation Center
Deadline 02/01/91
Duration 6 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 3,975 US\$; course fees only

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Establishes the techniques for identifying waterlogging and salinity problems and for evaluating their effects on agricultural productivity; develops appropriate solutions based on field experiments; field experience in drainage measurement techniques; demonstrates use of appropriate technology and determines cost-effectiveness; presents necessary planning steps for designing and installing farm-level drainage. Annually.

Keywords IRRIGATION, WATER**Applied Plant Breeding**

204

International Agricultural Centre

Wageningen, Netherlands

Begins 03/15/92 Director
Deadline 12/01/91 P.O. Box 88
Duration 15 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 4,000 Dutch guilders; exclusive of room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

An in-service course for university trained specialists in plant breeding, mainly from developing countries, who have not recently received an update on new techniques. The program of lectures and exercises will include discussions on: basic sciences; breeding for disease and pest resistance; design and statistics of experiments; variety research; seed multiplication and distribution; breeding strategies; in-vitro culture; and others. Requires BS: degree agriculture, basic knowledge of genetics and statistics.

Keywords PLANT SCIENCE, AGRONOMY, BREEDING**Applied Legume BNF Technology for Extension Specialists**

205

NIFTAL Project

San Sai and Chiang Mai, Thailand, Asia

Begins 03/02/92 Training Coordinator
Deadline 12/15/91 1000 Holomua Avenue
Duration 2 Weeks
Language E Paia, Hawaii 96779, USA
Fees 2,500 US\$; inclusive of room and board

Phone 808-579-9568
Fax 808-579-8516
Telex 7430315

Biological Nitrogen Fixation (BNF) processes and applied aspects of BNF technology. Extension specialists learn to assess BNF problems, design appropriate tests and demonstrations and provide practical solutions. Improving effective communication skills and use of materials to train other extension specialists is a major objective. At the end of the course, participants will have the skill and materials to plan and conduct technical workshops in applied BNF technology.

Keywords EXTENSION, AGRICULTURE**Cattle Artificial Insemination Course I - Introductory**

206

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 03/00/92 Hamish Macandrew or Edith Field
Deadline 02/00/92 Unived Technologies Ltd.
Duration 1 Week 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 530 british pounds; accommodations extra 46 british pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

This course is designed for Animal Scientist and Agriculturists who may be called upon to undertake artificial insemination in the absence of a veterinarian. It places considerable emphasis on clinical skills, focussing solely on A.I. in the cow.

Keywords CATTLE, BREEDING, ANIMAL SCIENCE**Cattle Artificial Insemination Course II-Recent Advances in Reproductive Techniques**

207

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 03/00/92 Hamish Macandrew or Edith Field
Deadline 02/00/92 Unived Technologies Ltd.
Duration 1 Week 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 530 british pounds; accommodations extra 46 british pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

An updating course for veterinary surgeons and animal scientists on recent advances in reproductive physiology and A. I. techniques. This is a lecture-based course, augmented by visits and demonstrations.

Keywords CATTLE, ANIMAL SCIENCE, VETERINARY

An Introduction to Veterinary Data Processing

208

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 03/00/92 Hamish Macandrew or Edith Field
Deadline 02/00/92 Unived Technologies Ltd.
Duration 4 Days 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 860 british pounds; accommodations extra 46 pounds

Phone 031 650 3476/3
Fax 031 662 4061
Telex 727442 (UNIVED G)

A four-day hands-on course designed to teach or update participants in the use of personal computers. The course includes: an overview of the use of microcomputers; a review of software packages; practical application of the PANACEA database management system; practical use of the SuperCalc spreadsheet package.

Keywords VETERINARY, ANIMAL SCIENCE, COMPUTER

An Introduction to Project Management & Evaluation

209

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 03/00/92 Hamish Macandrew or Edith Field
Deadline 02/00/92 Unived Technologies Ltd.
Duration 1 Week 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 740 british pounds; accommodations extra 46 british pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

This course will give participants the opportunity to develop an awareness of the various disciplines and skills necessary for successful project management, practice some of these skills, evaluate projects using case studies and discuss and share experience of a variety of projects.

Keywords EVALUATION, MANAGEMENT, PROJECT

Transferring Tropical Dairy Research and Technology

210

Queensland Department of Primary Industries

QDPI, South-East and North Queensland, Australia

Begins 02/26/92 Director General
Deadline 01/01/92 Primary Industries Building, 80 Ann Street
Duration 4 Weeks GPO Box 46
Language E Brisbane Q 4001, Australia
Fees 7,700 US\$; including room, board, materials and travel

Phone
Fax
Telex

This course will start with a detailed look at the farm level of Queensland properties and those of the countries represented. From this, research and extension needs will be identified and action taken to assist farmers overcome their problems. The course activities will build in this base and provide the theoretical and practical groundwork needed to provide successful dairy trials, demonstrations and extension activities.

Keywords TROPICAL, DAIRY, RESEARCH

Fertilizer Distribution and Handling Training Program

211

International Fertilizer Development Center

India, Singapore and Indonesia, Asia

Begins 02/10/92 Ram S. Giroti, Training Administrator
Deadline 01/06/92 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Efficient distribution systems, packages and packaging, handling bulk materials, warehousing, and distribution costs. Visits to fertilizer factories, ports, and warehouses.

Keywords FERTILIZER

Toxic and Hazardous Waste Management (EMT 05)

212

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 02/03/92 The Director, Continuing Education Center
Deadline 12/15/91 GPO Box 2754
Duration 4 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 56-2-529-0374
Telex 84276 AIT TH

Enables participants to plan the development of treatment and disposal systems for hazardous wastes. Mitigation measures and hazardous waste disaster preparedness plans in case of an accident. Overview; legislation and toxicity; storage and transport; technologies and development; treatment and recycling of waste; disposal of wastes; design considerations and alternatives; safety and economic aspects, disaster preparedness. Designed for environmental engineers and scientists.

Keywords WASTE, ENVIRONMENT

Artificial Insemination and Breeding Management for the Tropics

213

Queensland Department of Primary Industries

Ipswich, Australia

Begins 02/03/92 Director General
Deadline 12/01/91 Primary Industries Building, 80 Ann Street
Duration 4 Weeks GPO Box 46
Language E Brisbane Q 4001, Australia
Fees 6,500 US\$; includes room, board, materials and travel

Phone
Fax
Telex

The course has a practical basis consisting of artificial insemination training, semen collection, preservation, handling, storage and distribution. The second main part of the course is concerned with the development of sound breeding programs - covering the principles of breeding management, use of breeding values, herd recording, herd management programs and the genetic basis of breeding programs.

Keywords BREEDING, TROPICAL**Dairy Husbandry and Milk Processing**

214

Dairy Training Centre-Friesland

Oenkerk, Netherlands, Europe

Begins 01/20/92 The Director, DTC-Friesland
Deadline 11/20/91 DTC-Friesland
Duration 26 Weeks P.O. Box 85
Language E 9062 ZJ Oenkerk, Netherlands, Europe
Fees 1,500 Dutch guilders; exclusive of room and board

Phone 05103-1562
Fax 05103-1628
Telex 46838 DTCFR NL

The course has a practice oriented character - learning by doing. Aim is to acquaint participants with new ideas, knowledge and skills in dairying. Curriculum consists of over 70 modules. Consists of two parts, a general and a specialized part. General part includes: dairy development; animal husbandry; milk process; applied economics; teaching and extension methodology. Specialized provides skills in small- and large-scale production. Required minimum diploma animal or veterinary science, 23-35 years old, 3 years experience.

Keywords ANIMAL SCIENCE, DAIRY, FOOD SCIENCE**Farm Operations Winter Program**

215

Iowa State University

Ames, Iowa, USA

Begins 01/17/92 Dr. Julia Gamon
Deadline 01/10/92 326 Ross Hall
Duration 7 Weeks Iowa State University
Language E Ames, IA 50011, USA
Fees 2,300 US\$; includes out-of-state tuition, room & board, books

Phone 515-294-0897
Fax 515-294-6814
Telex

Designed as an extension outreach function to teach management, animal production, crops and computers.

Keywords COMPUTER, ANIMAL PRODUCTION, MANAGEMENT**Senior Management Course**

216

University of Manchester

Manchester, United Kingdom, Europe

Begins 01/15/92 Prof. Paul Mosley, Head
Deadline 11/01/91 Institute for Development Policy and Management
Duration 12 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 6,580 British pounds; inclusive of basic fee/self-catering accomod.

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE E: att IDPM

Designed to help participants improve managerial performance in utilization of personnel, financial and physical resources available. Focus on: development; personal effectiveness; acquiring a vision of what constitutes excellence in own organization. For senior management in civil service and public or private sector in developing countries.

Keywords MANAGEMENT, HUMAN RESOURCES, LEADERSHIP**Rural Research and Rural Policy**

217

University of Sussex

Sussex, United Kingdom, Europe

Begins 01/13/92 Ms. Angela Dowman
Deadline 12/01/91 Wye College, University of Sussex
Duration 3 Months Wye, Ashford
Language E Kent TN25 5 AH, England, Europe
Fees 7,460 British pounds; incl: course fees, accommodations + breakfast

Phone 027-360-6261
Fax
Telex 877997 IDSBTN G

Designed to help policy-makers, project managers, researchers and research managers with different sectorial specialities to achieve accurate, appropriate, cost-effective and policy-oriented research results; and rapid policy responses to them. Provides practical training in multi-disciplinary and multi-sectoral rural research focusing on recent debates, role of rural research, research methods and organization. For planners and researchers in agriculture.

Keywords RESEARCH, PLANNING, POLICY, RURAL

Animal Feeding and Nutrition		218
International Centre for Advanced Mediterranean Agronomic Studies		Zaragoza, Spain, Europe
Begins	01/13/92	Phone 76-576013
Deadline	05/15/91	Fax 76-57-63-77
Duration	12 Weeks	Telex 58672 IAMX E
Language	S/F/E	
Fees	100,000 Spanish pts.; excluding room and board	
<p>Topics include: biochemical and physiological bases (composition of feed, growth and development, lactation, feeding behavior, microbial digestion and digestibility); metabolism; feeding and feedstuffs evaluation (energy, dietary nitrogen, minerals, vitamins and additives); feeding in different species; rationing strategies (particularities of the mediterranean production systems and selection criteria for components).</p> <p>Keywords FEED, NUTRITION, ANIMAL PRODUCTION</p>		
Development-Oriented Research in Agriculture		219
International Agricultural Centre		Wageningen, Netherlands
Begins	01/13/92	Phone 8370-90111
Deadline	09/01/91	Fax 8370-18552
Duration	29 Weeks	Telex 45888 INTAS NL
Language	E	
Fees	not available	
<p>Combines theoretical training with a 3-month field study in a developing country. Prepares young agricultural scientists to conduct research to produce results appropriate to farmers and compatible with the broader aims of governments. Participants carry out an interdisciplinary study of farmers' production systems to identify priorities for agricultural research and development. Scholarships are available. Must have M.Sc. or equivalent.</p> <p>Keywords RESEARCH, AGRICULTURE</p>		
Data Handling for Tropical Fisheries Management		220
International Agricultural Centre		Wageningen, Netherlands
Begins	01/07/92	Phone 8370-90111
Deadline	10/01/91	Fax 8370-18552
Duration	6 Weeks	Telex 45888 INTAS NL
Language	E	
Fees	4,500 Dutch guilders; exclusive of room and board	
not available		
Keywords DATA, TROPICAL, FISH		
Food Science and Nutrition		221
International Agricultural Centre		Wageningen, Netherlands
Begins	01/06/92	Phone 8370-90111
Deadline	09/15/91	Fax 8370-18552
Duration	22 Weeks	Telex 45888 INTAS NL
Language	E	
Fees	6,000 Dutch guilders; exclusive of room and board	
<p>Topics: introduction of current food and nutrition (F&N) situation in developing countries; basic instruction and methodological disciplines in F&N; perspective of assessment and foods; planning, monitoring and evaluation; policies and actions directed as improvement of F&N situation. Various approaches include: nutritional surveillance; growth monitoring; nutrition education; primary health care; feeding programs; programs combatting specific nutrient deficiencies.</p> <p>Keywords FOOD SCIENCE, NUTRITION</p>		
International Course on Food Science and Nutrition		222
International Agricultural Centre		Wageningen, Netherlands
Begins	01/06/92	Phone 0-8370-90111
Deadline	09/15/91	Fax 8370-18552
Duration	5 Months	Telex 45888 INTAS NL
Language	E	
Fees	6,000 Dutch guilders; exclusive of room and board	
<p>The programme focuses on the various sectoral approaches towards the improvement of the food and nutrition situation in developing countries. The course uses an approach of systematic problem-solving in which several relevant disciplines have to work together. The course includes a mixture of educational elements, consisting of classwork, group project work, participants' presentations, seminar discussions, workshops and excursions.</p> <p>Keywords FOOD SCIENCE, NUTRITION</p>		

Applied Microcomputer Use in Irrigation and Drainage

223

Utah State University

Logan, Utah, USA

Begins 01/05/92 International Irrigation Center
Deadline 12/01/91
Duration 6 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 3,975 US\$; 1,200 US\$ for 2-week add-on course

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Develops skills using irrigation and drainage data analysis programs for programmable calculators; applies these skills in development of programs dealing with water management drainage and hydraulic applications; builds techniques using BASIC language; develops applied programs related to irrigation, drainage and open channel hydraulics. Participants desiring more depth can attend one of 3 add-on modules in computerized operation of irrigation systems. ANNUALLY

Keywords COMPUTER, WATER, IRRIGATION

Computer-Assisted Irrigation System Management

224

Utah State University

Utah, Colorado, Idaho, Arizona, California, USA

Begins 01/05/92 International Irrigation Center
Deadline 12/01/91
Duration 49 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 29,750 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Participants develop: integrated knowledge of irrigation engineering; microcomputer programming and operations; software to implement computer-based water management and improved administrative practices for irrigation project planning, design and office operations. Develops skills for implementing computer-assisted irrigation system management and utilizes state-of-the-art technology. Designed for irrigation personnel responsible for actual installation and operation of project microcomputer systems.

Keywords IRRIGATION, COMPUTER

Weed Science

225

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 00/00/92 Head, Training Center
Deadline 00/00/00 International Rice Research Institute
Duration 9 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Keywords PLANT SCIENCE, PEST

Upland Rice Production (RP)

226

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 00/00/92 Head, Training Center
Deadline 00/00/00 International Rice Research Institute
Duration 16 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Designed to provide lectures and field and lab exercises on the principles of RP in rainfed upland conditions. Course content includes: upland rice distribution; cropping system; upland rice environment; soil science; varietal improvement; international rice testing program; agronomy; plant physiology; agricultural engineering; plant physiology; entomology; agricultural economics; field experimentation; communications; RP principles. A blend of technical lectures, hands-on participatory field and lab exercises, problem-solving research exercises, group discussions and special projects.

Keywords PLANT SCIENCE, AGRONOMY, RICE

Integrated Pest Management

227

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 00/00/92 Head, Training Center
Deadline 00/00/00 International Rice Research Institute
Duration 18 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Course designed to train plant protection specialists in the design and implementation of integrated pest management programs aimed to reduce crop damage, maximize profits and protect environment. Course content include: IPM principles; economics; meteorology; statistics; vertebrate pest control; weeds; plant diseases; insects; rice production principles. Requires: extensionist, junior researcher or professional in rice or rice-based systems; BS/MS in entomology, plant pathology or agronomy.

Keywords PEST, PLANT PROTECTION, PLANT SCIENCE

Statistical Procedures and Computer Applications in Agricultural Research

228

International Rice Research Institute

Los Banos and Laguna, Philippines , Asia

Begins 00/00/92 **Director**
Deadline 00/00/00 International Rice Research Institute
Duration 10 Weeks P.O. Box 933
Language E Manila, Philippines , Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Course focus is on practical aspects of statistics and computing as related to crop research. Consists of three major parts: rice production; statistical techniques; computer applications. Topics include: experimental design; basic analysis; specialized procedures. Emphasis is on problems encountered in actual applications and on conditions required for specialized procedures to be applicable. Computer element directed at illustrating use of computers to service agricultural research needs.

Keywords STATISTICS, RESEARCH, COMPUTER**Legal Implications of Environmental Property Assessment**

229

National Water Well Association

Denver, Colorado , USA

Begins 12/06/91
Deadline 10/01/91
Duration 1 Day 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 245 US\$

Phone 614-761-1711
Fax 614-761-3446
Telex

The course will concentrate on major legal issues relating to environmental site assessments. Topics that will be addressed include: laws and regulations prompting environmental site assessments; the preacquisition environmental investigation report; responses to environmental problems; minimizing the liability of the consultant.

Keywords ENVIRONMENT, ASSESSMENT**Asian School on Computer Science (ED 06)**

230

Asian Institute of Technology

Bangkok, Thailand , Asia

Begins 12/02/91 The Director, Continuing Education Center
Deadline 10/15/91 GPO Box 2764
Duration 2 Weeks
Language E Bangkok 10501, Thailand , Asia
Fees 800 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Provides participants advanced know-how in a selected field in computer science. It also gives a venue to share their experiences and aspirations with their Asian colleagues and with international experts. Computer science experts of international repute to Asia give lectures on a specialized subject. The focus of the school changes every year. ANNUALLY.

Keywords COMPUTER**Fertilizer Marketing Training Program**

231

International Fertilizer Development Center

Bangkok, Thailand , Asia

Begins 12/02/91 Ram S. Giri, Training Administrator
Deadline 11/11/91 International Fertilizer Development Center
Duration 2 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662 , USA
Fees 1,100 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Marketing and its elements, dealer functions and education, pricing, promotion and products, consumer identification, marketing research and physical distribution. Additional course offered 05/11/92 in Nairobi, Kenya.

Keywords FERTILIZER, MARKETING**Introduction to Microcomputers for Statisticians**

232

United States Bureau of the Census

Washington, D.C. , USA

Begins 12/02/91 Thomas C. Walsh, Chief
Deadline 10/02/91 International Statistical Programs Center
Duration 3 Weeks
Language E Washington, D.C. 20233 , USA
Fees 2,800 US\$; exclusive of room and board

Phone
Fax 301-763-7589
Telex 9102509167 (ISPC CENSUS WS:R)

Objectives: evaluate microcomputer software and peripheral devices for their needs; prepare administrative forms using microcomputers; create charts and graphs to enhance the usefulness of reported data; generate reports using desktop publishing software; use the principle types of software packages and describe how they can be applied in a statistical office.

Keywords COMPUTER, STATISTICS

Principles of Marketing

233

Graduate School, USDA

Washington, D.C., USA

Begins 11/25/91 Dr. Robert Mashburn, Director
Deadline 10/25/91 International Education and Training
Duration 3 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,250 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Designed for both private and public sector managers. Focus on understanding marketing and its role in the economy. Following a macro-approach, the course emphasizes social and economic aspects of marketing. Introduces prevailing concepts, functions, institutions and terminology. A balanced treatment is offered, offering an understanding of decision-making process and the market manager's job. Additional course offered 05/11/92.

Keywords MARKETING**Advanced Computer Software Operations**

234

Graduate School, USDA

Washington, D.C., USA

Begins 11/25/91 Dr. Robert Mashburn, Director
Deadline 09/25/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 4,500 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

This course is designed for supervisors of information systems environments or heavy users of applications software. Experienced computer users improve their skills by examining current software standards. Participants develop techniques to increase productivity of documents produced and increase their value through improved hardcopy reproduction and integration with other documentary sources. Additional course offered 05/11/92.

Keywords COMPUTER**Private Sector Development**

235

Graduate School, USDA

Washington, D.C., USA

Begins 11/25/91 Dr. Robert Mashburn, Director
Deadline 09/25/91 International Education and Training
Duration 3 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,250 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WASH

This course introduces the basic concepts of private sector development, including: various methods of techniques of privatization; implementation of a privatization project; role of the local public sector; role of the local private sector; role of the international community; privatization of services; privatization of agriculture.

Keywords DEVELOPMENT, BUSINESS, ENTERPRISE**Rural Finance and Farm Development 9.04/91 TK76-260-91**

236

German Foundation for International Development

Philippines, Asia

Begins 11/18/91 Deutsche Stiftung fur Internationale Entwicklung
Deadline 09/18/91 Zentralstelle fur Ernahrung und Landwirtschaft
Duration 4 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR, Europe
Fees 10180 deutsche marks

Phone 08157-383219
Fax
Telex

Objectives: apply methods and techniques of smallholder development; plan, implement and evaluate measures to strengthen equity capital base of farmers; acquire basic knowledge of sociocultural behavior and economic objectives of rural households; acquire methodological skills required for cost-effective analysis of financial development potential; design and initiate activities aimed at establishing savings and credit associations; improving the performance of rural financial markets.

Keywords RURAL, FINANCE**Theory and Application of Vadose Zone Monitoring, Sampling and Remediation**

237

National Water Well Association

Dallas, Texas, USA

Begins 11/18/91
Deadline 10/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 695 US\$; exclusive of lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

This course will focus on monitoring, sampling and remediation in the vadose zone. Sessions will be devoted to the following topics: defining the vadose zone; soil core monitoring; soil pore-liquid monitoring; active and abandoned site monitoring methods; vadose zone monitoring concepts for hazardous waste landfills and surface impoundments; corrective action techniques; soil gas monitoring.

Keywords MONITORING, WATER

Raster Geographic Information Systems for the Microcomputer

238

South Dakota State University

Brookings, South Dakota, USA

Begins 11/12/91 Kevin Dalsted
Deadline 11/05/91 Office of Remote Sensing/SDSU
Duration 4 Days P.O. Box 2220, Harding Hall
Language E Brookings, SD 57007-2220, USA
Fees 595 US\$

Phone 605-688-4184
Fax 605-688-5878
Telex

A GIS course that emphasizes raster GIS and related processing.
Keywords GEOGRAPHY, COMPUTER

Agroforestry Field Experimental Methods

239

International Council for Research in Agroforestry

Kenya, Africa

Begins 11/12/91 Training Programme Coordinator
Deadline 09/12/91 International Council For Research in Agroforestry
Duration P.O. Box 30677
Language E Nairobi, Kenya, Africa
Fees not available

Phone
Fax 254-252-1001
Telex

Keywords AGROFORESTRY**Management of Statistical Activities**

240

United States Bureau of the Census

Washington, D.C., USA

Begins 11/12/91 Thomas C. Walsh, Chief
Deadline 09/12/91 International Statistical Programs Center
Duration 2 Weeks
Language E Washington, D.C. 20233, USA
Fees 2,350 US\$; exclusive of room and board

Phone
Fax 301-763-7589
Telex 9102509167 (ISPC CENSUS WSH)

Objectives: establish policies, priorities and objectives; prepare schedules and budgets; plan and monitor the flow of work; identify leadership styles and the pros and cons of each style; communicate effectively; manage their time for greater productivity.

Keywords MANAGEMENT, STATISTICS**Irrigation Systems Rehabilitation**

241

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 11/11/91 Colorado Institute for Irrigation Management
Deadline 10/01/91 410 University Services
Duration 4 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 3,500 US\$; exclusive of board and room

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Reviews: significance of irrigation rehabilitation analysis in evolution of sustained agricultural production from irrigation; consider the factors to include in analysis of irrigation rehabilitation project feasibility and post-project evaluation; discuss and use potential irrigation hardware and management software combinations and complementaries; select and compute appropriate measures for evaluating technological, managerial, economic and social impact. Annually.

Keywords IRRIGATION, ENGINEERING**Business Intelligence: Organization's Growth and Survival (MI 08)**

242

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 11/11/91 The Director, Continuing Education Center
Deadline 10/01/91 GPO Box 2754
Duration 2 Weeks
Language Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Improve: skills in developing strategies for data collection and analysis to ensure organizational growth and survival. Contents: business intelligence; strategic intelligence; managing strategic change; competitor intelligence; market research for business intelligence. Designed for top-level executives of public and private organizations.

Keywords DATA, ANALYSIS, BUSINESS, ENTERPRISE

Sustainable Agriculture

243

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 11/11/91
Deadline 07/15/91 Mediterranean Institute Agronomic de Zaragoza
Duration 2 Weeks Apartado 202
Language E/(F/S TRANS) 50080 Zaragoza, Spain, Europe
Fees 100,000 pesetas; excluding room and board

Phone (76) 57 60 13
Fax 76-57-63-77
Telex 58672 IAMX E

The objectives of this course are: 1) to describe the problems in current agricultural systems and propose solutions for their correction. 2) to analyze the sustainability of different agroecosystems and to set the basis for a sustainable agriculture. 3) to assess the potential of new technologies that should be allowed the achievement of a sustainable agriculture.

Keywords SUSTAINABLE**Applied Drilling Engineering for Rotary and Auger Methods**

244

National Water Well Association

Tampa, Florida, USA

Begins 11/06/91
Deadline 10/01/91
Duration 2 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 595 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

The course will provide instruction on drilling-related equipment, products and protocols which will help you work more closely with rig crews. Sessions will concentrate on: drilling rig systems; compressors; pumps; samplers; bit types and downhole assemblies; drilling fluids; cementing; drilling contract specifications; collapse strength of different types of casings; well completion techniques; borehole abandonment.

Keywords ENGINEERING, WATER**Urban Development/Housing Projects**

245

Graduate School, USDA

Washington, D.C., USA

Begins 11/04/91 Dr. Robert Mashburn, Director
Deadline 10/04/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,950 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Methodologies for planning and implementation of housing projects, finance sources and funds mobilization. Analysis of: selecting support institutions, financial institutions and delivery mechanisms; cost/benefit of housing projects and evaluation of project cost through time, such as preparation of financial plans; use of financial ratios and international rate of return for decision making; project tenure system and ownership, such as owners' and cooperative associations; which system makes best sense for project developer and/or financial institution.

Keywords DEVELOPMENT**Teaching Methods and Curriculum Development in Agroforestry**

246

International Council for Research in Agroforestry

Kenya, Africa

Begins 11/04/91 Training Programme Coordinator
Deadline 09/04/91 International Council For Research in Agroforestry
Duration 4 Days P.O. Box 30677
Language E Nairobi, Kenya, Africa
Fees not available

Phone
Fax 254-252-1001
Telex

Keywords AGROFORESTRY, TRAINING**Financial, Economic and Environmental Impact Analysis for Fertilizer Sector Projects**

247

International Fertilizer Development Center

Alabama, Tampa, Florida, Washington, D.C., USA

Begins 11/04/91 Ram S. Giroti, Training Administrator
Deadline 10/04/91 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35652, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Review of fertilizer production technology and related environmental concerns, fixed and working capital, cost estimating and financial analysis, economic analysis, techniques of analyzing project environmental impacts and compliance costs and identification of project financing needs and sources.

Keywords FINANCE, ECONOMICS, ENVIRONMENT, ANALYSIS, FERTILIZER

Livestock Research Methods

248

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 11/04/91 Director of Training and Information
Deadline 07/15/91 P.O. Box 5689
Duration 5 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 2,975 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

Objective: to ensure that livestock research scientists understand the research process and gain necessary knowledge and skills. Provides knowledge and confidence to: 1) plan, design and conduct experiments; 2) collect and manage research data; 3) analyze, present and interpret data. Although biometrics is a major part of this course, it will not be theoretical or mathematical in approach. Emphasis on application of statistical methods to livestock data.

Keywords LIVESTOCK, RESEARCH, ANIMAL SCIENCE**Swine Production**

249

Land O'Lakes

Minneapolis, Minnesota , USA

Begins 11/02/91 Manager, International Training
Deadline 09/01/91 P. O. Box 116
Duration 3 Weeks
Language E Minneapolis, MN 55440 , USA
Fees 3,675 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Comprehensive instruction in health, feeding and managing of the animals from the nursery to finishing. Target audience: swine producers; owners; managers; technicians; extensionists.

Keywords SWINE, ANIMAL SCIENCE, PRODUCTION**Principles of Subsurface Contaminant Fate and Transport Modeling**

250

National Water Well Association

San Francisco, California , USA

Begins 10/28/91
Deadline 09/01/91
Duration 3 Days 6375 Riverside Drive
Language E Duolin, OH 43017 , USA
Fees 795 US\$; exclusive of lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

This course provides an introduction to contaminant transport modeling. Considerable time is spent on the principles and processes underlying contaminant fate and transport. Discussions also concentrate on analytical and semianalytical models. Numerical models that address flow and transport problems are also examined.

Keywords WATER, SOIL**Planning an Income and Expenditure Survey**

251

United States Bureau of the Census

Washington, D.C. , USA

Begins 10/28/91 Thomas C. Walsh, Chief
Deadline 08/28/91 International Statistical Programs Center
Duration 2 Weeks
Language E Washington, D.C. 20233 , USA
Fees 1,950 US\$; exclusive of room and board

Phone
Fax 301-763-7589
Telex 9102609167 (ISPC CENSUS WSH)

Topics covered include: scheduling; budgeting; determining data requirements; concepts and definitions; sampling techniques; questionnaire design; data collection and data processing considerations; survey evaluation. Practical exercises will give participants hands-on experience in applying the concepts presented to an actual income and expenditure survey.

Keywords PLANNING, SURVEY**Strategic Management for Senior Officials**

252

Graduate School, USDA

Washington, D.C. , USA

Begins 10/21/91 Dr. Robert Mashburn, Director
Deadline 09/21/91 International Education and Training
Duration 2 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 2,250 US\$; exclusive of living allowance

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Executives have special management problems and needs. Key topics include: role of the senior government executive; managing large and complex organizations; setting a motivational climate; current research on leadership excellence; national development in global economy; decision-making and planning; staffing and employee development. Exclusively for senior policy-making and private sector officials of developing countries.

Keywords MANAGEMENT, PLANNING

Principles of Management Information Systems (MIS)

253

Graduate School, USDA

Washington, D.C., USA

Begins 10/21/91 Dr. Robert Mashburn, Director
Deadline 09/21/91 International Education and Training
Duration 5 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 4,200 US\$; tuition

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Introduction to critical issues in MIS systems management, planning and operations, from management perspective. The technology discussions conducted within this program focus on understanding not only technical issues but management implications. Discussions will cover topics: process of strategic information systems planning, integrating technology into organizational strategic planning; managing technological change; department and centralized computing; management support systems; strategies for disaster recovery; understanding computer crime. Additional course offered 04/06/92.

Keywords MANAGEMENT, COMPUTER, INFORMATION

Construction and Analysis of Price Indexes

254

United States Department of Labor

Washington, D.C., USA

Begins 10/21/91 John T. McCracken, Director ILSPC
Deadline 09/01/91 United States Department of Labor, Room S-1310
Duration 6 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 3,120 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Theory, techniques and methodologies for planning, designing, implementing and maintaining statistical programs for measuring prices and expenditures in developing countries. Basic procedures, theory and research findings. Shows how indexes are useful in formulating economic policy to maintain wage/price stability, to evaluate tax proposals and to adjust national income and product accounts for inflation and deflation. Courses available in Spanish on 06/03/91 for 2,220 US\$.

Keywords ECONOMICS, STATISTICS, DATA

Crisis and Risk Management (MI 07)

255

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 10/21/91 The Director, Continuing Education Center
Deadline 09/01/91 GPO Box 2754
Duration 2 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 529-2-529-0374
Telex 84276 AIT TH

Enhances acumen of managers in the identification, minimization and proactive dealings with organizational crisis and risk including financial risk. Contents: organizational crisis; casualty of crisis; internal/external factors; crisis management; methods of identification, prevention, minimization, adoption and adjustment; management information systems; disaster planning; risk identification, analysis and evaluation; risk financing; measurement and evaluation of performance; risk management games.

Keywords MANAGEMENT

Rural Physical Infrastructure Development (RD 03)

256

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 10/21/91 The Director, Continuing Education Center
Deadline 09/01/91 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objectives: upgrade/update knowledge and skills in planning, designing, and implementing; managing rural physical infrastructures such as roads, domestic water supply, small scale water resources for agriculture and other supporting facilities for rural development. Modules: rural and regional development planning; development project management; agricultural development; rural energy technology; rural water supply and sanitation; rural road design and construction.

Keywords RURAL, WATER, WASTE, ENGINEERING

Efficient Water Use

257

Instituto Mexicano de Tecnologia del Agua

Civil Engineer's Assoc. of Mexico/Mexico City, Mexico

Begins 10/21/91
Deadline 09/01/91 Avenida Cuauhnahuac 8532
Duration 1 Week
Language E Colonia Progreso, Jiutepec, Morelos, Mexico
Fees 300 US\$

Phone (73) 19-43-81
Fax 73-19-37-42
Telex

The objectives of this seminar are to encourage the exchange of experiences, needs and solutions among decision makers, engineers, manufacturers and other people interested in efficient water use. To acquaint and give participants present time knowledge on instruments, equipment and available services to save, measure or reuse water, and to detect leaks or wastes; as well as informational material to promote rational use of water among its various users.

Keywords WATER

Innovative Ground Water Technologies for the 90's

258

National Water Well Association

Washington, D.C. , USA

Begins 10/21/91 Dr. Mark Stewart, AGWSE Program Chairman
Deadline 05/24/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees not available

Phone 614-761-1711
Fax 614-761-3446
Telex

The rapid growth of the ground water industry and growing environmental concerns have spawned many new technologies and innovations for solving ground water problems. However, many ground water professionals find it difficult to keep abreast of rapidly developing technologies. It is the objective of the 1991 AGWSE educational program to showcase many of the new and emerging technological innovations in the ground water industry, academia, agencies and research institutions.
Keywords WATER

Women, Extension Workers and Agriculture

259

Larenstein International Agricultural College

Deventer, Netherlands , Europe

Begins 10/21/91 Registry Office
Deadline 08/21/91 P.O. Box 7
Duration 8 Months
Language E 7400 AA Deventer, Netherlands , Europe
Fees not available

Phone
Fax
Telex

In-service training for people involved in home economics, nutrition or primary health care extension, focussing in particular on the productive role of women in agriculture. Applicants should have diploma or BSc in home economics, nutrition or one of the social sciences, several years work experience in rural development projects and competence in English.
Keywords WOMEN, EXTENSION, AGRICULTURE

Forage Seed Marketing

260

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 10/21/91 Director of Training and Information
Deadline 06/15/91 P.O. Box 5689
Duration 2 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 1,550 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

The course objectives are to introduce participants to all aspects of seed marketing/extension. This will result in the formulation of species profiles and will be complemented by discussion and examples of their use in mixed crop livestock feeding systems. Marketing/extension management and communication techniques appropriate to these activities will be included.
Keywords SEED, MARKETING, EXTENSION

Symposium of the International Society for Tropical Root Crops

261

Ministry of Agriculture

Accra, Ghana , Africa

Begins 10/20/91 Dr. Francis Ofori
Deadline 08/20/91 Secretary ISTRC Planning Committee
Duration 1 Week Department of Crop Services, P.O. Box M 37
Language E Accra, Ghana , Africa
Fees not available

Phone
Fax
Telex

On the theme "Tropical root and tuber crops in a developing economy".
Keywords TROPICAL, PLANT SCIENCE

Management of Rural Development

262

Mananga Agricultural Management Centre

Mhlume, Swaziland , Africa

Begins 10/14/91 The Principal, MAMC
Deadline 08/28/90 P. O. Box 20
Duration 9 Weeks
Language E Mhlume, Swaziland , Africa
Fees 5,450 British pounds; inclusive of tuition, material, room and board

Phone 31133 or 31334
Fax 31135
Telex 2320 WD

Aim is to enhance the effectiveness of development managers so performance of their organizations and projects can improve. Course structured around five segments: concept of development; project design and appraisal; launching new rural development schemes; managing development; management of change. Prefer graduates, diploma or certificate holders in agriculture or related areas preferred.
Keywords RURAL, MANAGEMENT

Agroforestry Research for Development

263

International Council for Research in Agroforestry

Nairobi, Kenya , Africa

Begins 10/14/91 The Course Coordinator **Phone**
Deadline 06/15/91 International Council For Research in Agroforestry **Fax** 254-2-521001
Duration 3 Weeks P.O. Box 30677 **Telex**
Language E Nairobi, Kenya , Africa
Fees 5,500 US\$; tuition, materials, accommodations/22 days, meals, trans.

Focus will be on methods for diagnosing land use problems and designing appropriate agroforestry interventions.

Keywords RESEARCH, AGROFORESTRY, LAND USE**International Course in Soil and Plant Analysis**

264

Royal Tropical Institute

Amsterdam, the Netherlands , Europe

Begins 10/14/91 Course Coordinator, Dept of Education and Training **Phone** 20-5688-477
Deadline 07/14/91 Royal Tropical Institute **Fax**
Duration 6 Months Mauritekade 63 **Telex** 15080 KIT NL
Language E 1092 AD Amsterdam, The Netherlands , Europe
Fees 9.450 Dfl; exclusive of room and board

Participants gain skills for the most frequently required analyses of soil and plant material and for the technical management of small to medium size laboratories. Emphasis is given to subjects related to specific problems faced by labs in less developed countries. Based on a number of analytical methods and procedures for soil mapping and fertility assessments, together with recommendations for the proper use of fertilizers. Includes practical training, theoretical studies and special subjects. Participation is open to those with a non-academic background and at least two years experience in laboratory practice, with special reference to soil and plant analysis.

Keywords SOIL, PLANT SCIENCE**Remote Sensing: a Tool for Soil Surveys and Resource Inventories**

265

South Dakota State University

Brookings, South Dakota , USA

Begins 10/08/91 Mr. Kevin Dalsted **Phone** 605-688-4184
Deadline 10/01/91 Office of Remote Sensing/SDSU **Fax** 605-688-5878
Duration 4 Days P.O. Box 2220, Harding Hall **Telex**
Language E Brookings, SD 57007-2220 , USA
Fees 495 US\$; exclusive of room and board

Keywords REMOTE SENSING, SOIL**Training of Trainers for Irrigation Management**

266

Colorado State University-CIIM

Fort Collins, Colorado , USA

Begins 10/07/91 Colorado Institute for Irrigation Management **Phone** 303-491-2293
Deadline 09/01/91 410 University Services **Fax**
Duration 4 Weeks Colorado State University **Telex** 9109309011 CSU CID FTCN
Language E Fort Collins, CO 80523 , USA
Fees 3,500 US\$; exclusive of room and board

Successful irrigation projects require trained professionals at all levels. Course provides knowledge and skills for: management of training process; design of training programs; technologies for delivery of training; the evaluation of training courses and programs. Classroom exercises will be used along with video case studies and field visits to training centers. Each participant will develop his/her own Irrigation Management Trainers guide to use in their home countries.

Keywords TRAINING, IRRIGATION, WATER**Fertilizer Use Strategies for Sustainable Agriculture**

267

International Fertilizer Development Center

Muscle Shoals, Alabama and Columbia, Missouri , USA

Begins 10/07/91 Ram S. Giroti, Training Administrator **Phone** 205-381-6600
Deadline 09/09/91 International Fertilizer Development Center **Fax** 205-381-7408
Duration 2 Weeks P.O. Box 2040 **Telex** 8107313970 IFDEC MCHL
Language E Muscle Shoals, AL 35662 , USA
Fees 1,100 US\$; exclusive of travel, room and board

Concept of sustainability in agriculture and the components of sustainable agricultural systems. Promoting an awareness of the role of fertilizer and the importance of soil fertility maintenance on increased and sustainable crop production. Strategies to improve the efficiencies of fertilizer use and minimize their effect on the environment.

Keywords FERTILIZER, TROPICAL

Advanced Topics in Map Analysis With GIS

268

Colorado State University - Conference Services

Fort Collins, Colorado, USA

Begins 10/07/91 College of Forestry and Natural Resources
Deadline 08/07/91 Office of Conference Services
Duration 5 Days Colorado State University
Language E Ft. Collins, CO 80523, USA
Fees 675 US\$; registration fee

Phone 303-491-7501
Fax
Telex

This course presents advanced GIS analytic procedures useful to a wide array of disciplines. In addition to extensive class discussions and lecture, each participant develops an analytical model based on a problem of his or her choice. At the conclusion of the workshop, participants will have a complete GIS analysis for their individual project.

Keywords COMPUTER, GEOGRAPHY, MAPPING

Management of Consultants

269

University of Manchester

Manchester, United Kingdom, Europe

Begins 10/07/91 Peter Smith, Program Director
Deadline 08/31/91 Institute for Development Policy and Management
Duration 5 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 4,120 British pounds; inclusive of self-catering accommodations

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE G attn. IDPM

The program content includes: 1) consultancy skills; 2) the design of the consultancy; 3) managing a consultancy exercise; 4) aid and technical co-operation procedures.

Keywords MANAGEMENT, HUMAN RESOURCES, PERSONNEL

Forest Administration and Management - 8th International Seminar

270

University of Michigan

Ann Arbor, Michigan, USA

Begins 10/06/91 School of Natural Resources
Deadline 07/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees 4,600 US\$; inclusive of room and board (single occupancy)

Phone 313-747-4337
Fax
Telex 4320815 UOFM/UI

Objectives: To demonstrate the principles and values of integrated resources management and the requisites for institutional cooperation to meet diverse forest management goals; exhibit the biological, social, economic, and organizational factors which influence forest management decisions on local, regional, national, and international levels; generate an international dialog on key issues in forest management to promote an awareness of universal problems or opportunities. Themes: global perspective; policy development; resource administration; integrated land use; biological diversity and forest protection; and research, extension, and technology transfer.

Keywords FORESTRY, ADMINISTRATION, MANAGEMENT, LAND USE, POLICY

Plant Maintenance

271

Land O'Lakes

Minneapolis, Minnesota, USA

Begins 10/06/91 Manager, International Training
Deadline 09/01/91 P. O. Box 116
Duration 3 Weeks
Language E Minneapolis, MN 55440, USA
Fees 3,340 US\$; exclusive of living allowance and insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Students learn techniques to improve overall dairy processing plant maintenance and operations, with emphasis on preventive maintenance. Target audience: supervisors and managers of public and private processing plants.

Keywords DAIRY, FOOD SCIENCE, EQUIPMENT

Symposium - Association for Farming Systems Research-Extension (FSR-E)

272

Michigan State University

East Lansing, Michigan, USA

Begins 10/05/91 1990 AFSR-E Symposium Program Office
Deadline 04/15/91 Institute of Intl Agri., 324 Agri. Hall
Duration 5 Days Michigan State University
Language E East Lansing, MI 48824, USA
Fees 75 - 245 US\$; depending on AFSR-E membership and student status

Phone 517-355-0174
Fax
Telex 650-264-1762 MCI

Theme is "Role of Farmers in FSR-E and Sustainable Agriculture" with special attention to the topics of: the political and institutional context; farmer organizations; gender issues; farmer-based research methods; organizational and managerial implications of "farmer first" research. Abstract not to exceed 1 typed page must be submitted by 15 April 1990.

Keywords SUSTAINABLE, RESEARCH, EXTENSION

Farming Systems Development-9.05/91 TK76-264-91

273

German Foundation for International Development

Feldafing GDR , Europe

Begins 10/04/91

Deutsche Stiftung für Internationale Entwicklung

Phone 08157-383219**Deadline** 06/04/91

Zentrale für Ernährung und Landwirtschaft

Fax**Duration** 4 Weeks

Wielinger Strasse 52

Telex**Language** E

D-8133 Feldafing, GDR , Europe

Fees 9145 Dm

Topics include: analysis of farm and rural household situations (rapid rural appraisal); agro-ecological, economic, social and institutional environments; assessment of interrelationships between the four setting; appreciation of their contribution to developing small farms; identification of development potentials and constraints in the farming system as a whole; design of schemes to promote small farms.

Keywords DEVELOPMENT, RURAL**Improving Organization and Management : a Short Course for Extension Administrators**

274

University of Illinois

Urbana, Illinois , USA

Begins 10/03/91

Director of INTERPAKS

Phone 217-333-5834**Deadline** 07/15/91

College of Veterinary Medicine

Fax 217-333-5838**Duration** 5 Weeks

2001 S. Lincoln Drive

Telex**Language** E

Urbana, IL 61801 , USA

Fees 3,450 US\$; exclusive of room and board

The primary modules to be covered in the course follow: 1) Analyzing Extension Systems to Improve Performance; 2) Targeting Extension Programs to Special Groups; 3) Improving Program Development, Delivery and Impact; 4) Organization and Managing Extension Resources; 5) Improving your Leadership and Management Skills; 6) Using Computers to Improve Extension Management.

Keywords ADMINISTRATION, EXTENSION**Introduction to GIS**

275

Colorado State University - Conference Services

Fort Collins, Colorado , USA

Begins 10/02/91

College of Forestry and Natural Resources

Phone 303-491-7501**Deadline** 08/02/91

Office of Conference Services

Fax**Duration** 3 Days

Colorado State University

Telex**Language** E

Ft. Collins, CO 80523 , USA

Fees 395 US\$; registration fee

This workshop is designed for professionals who have had minimal exposure to GIS, but anticipate directly using the technology or closely interacting with GIS specialist. The course objective is to develop a basic understanding of GIS systems and their capabilities using extensive hands-on exercises. There are no prerequisites for the workshop, however, general familiarity with personal computers is recommended.

Keywords GEOGRAPHY, DATA, COMPUTER**Agricultural Extension for Women in the Tropics**

276

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 10/01/91

TROPAG Office

Phone 031-667-1041 X375**Deadline** 08/01/91

School of Agriculture

Fax 031-667-2601**Duration** 10 Weeks

West Mains Road

Telex 727617 ESCA GG**Language** E

Edinburgh EH9 3JG , UK

Fees 2,400 British pounds + tax

For women working in agriculture, forestry and other rural technologies in tropical countries. Covers principal components of extension practice, as well as particular requirements of women to become more effective and efficient. Emphasis given to providing expertise in communication, administration, management and organizational skills required by modern women, whether scientists, extension personnel, administrators or leaders of women's groups.

Keywords GENDER, EXTENSION, WOMEN**Training Techniques for Scientists and Technologists**

277

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 10/01/91

TROPAG Office

Phone 031-667-1041**Deadline** 09/01/91

School of Agriculture

Fax 031-667-2601**Duration** 7 Weeks

West Mains Road

Telex 727617 ESCA G**Language** E

Edinburgh EH9 3JG , UK

Fees 1,410 British pounds; + VAT @ 15%, accommodations extra

This course is designed to provide advanced instruction in teaching and training techniques for vocational and inservice courses. Components include: training contexts; planning and evaluating; techniques and resources; presentation skills.

Keywords TRAINING

Postharvest Technology of Grain Crops		278
Silsoe College		Silsoe, Bedford, United Kingdom, Europe
Begins	10/00/91	Student Recruitment Executive
Deadline	09/01/91	
Duration	3 Months	Silsoe Campus
Language	E	Silsoe, Bedford MK45 4DT, UK
Fees	4,850 British pounds; 450 British pounds housing, meals not included	
This course covers handling, storage, transport, distribution marketing and processing of cereals, pulses and oil seeds.		
Keywords POSTHARVEST, GRAIN		
Starch Technology		279
The Center for Professional Advancement		Somerset, New Jersey, USA
Begins	10/00/91	
Deadline	08/01/91	P. O. Box 964
Duration	3 Days	
Language	E	East Brunswick, NJ 08816-0964, USA
Fees	895 US\$; excluding room and board	
This course will include information on the various types of starch and the factors that should be considered when choosing and using starches. Detailed discussions will involve the application of various types of starches to many systems. Interrelationships with other ingredients, packaging conditions, economics and end usage will be stressed.		
Keywords FOOD SCIENCE		
The Use of Nitrogen Fixing Trees for Animal Production in the Tropics		280
NFTA		Uganda, Africa
Begins	10/00/91	
Deadline	08/00/91	P.O. Box 680
Duration		
Language	E	Waimanalo, Hawaii 96795, USA
Fees	not available	
Keywords TROPICAL, AGROFORESTRY, ANIMAL PRODUCTION		
Training Course on Energy Management in Small and Medium Scale Industries		281
University of Twente		Enschede, Netherlands, Europe
Begins	10/00/91	
Deadline	00/00/00	University of Twente
Duration		P.O. Box 217
Language		7500 AE Enschede, the Netherlands, Europe
Fees	not available	
Keywords MANAGEMENT		
Remote Sensing in Land Use Studies		282
South Dakota State University		Brookings, South Dakota, USA
Begins	09/30/91	Mr. Kevin Dalsted
Deadline	09/23/91	Office of Remote Sensing/SDSU
Duration	5 Days	P.O. Box 2220, Harding Hall
Language	E	Brookings, SD 57007-2220, USA
Fees	495 US\$; exclusive of room and board	
Emphasizes practical application of remote sensing to land use surveys and change detection. A series of lectures, hands-on exercises, and demonstrations of photo-analysis equipment and computerized geo-information systems constitute main subject matter. Remote sensing products used in the course are diverse and international in scope.		
Keywords REMOTE SENSING, COMPUTER		
Animal Production (Advanced)		283
International Centre for Advanced Mediterranean Agronomic Studies		Zaragoza, Spain, Europe
Begins	09/30/91	
Deadline	05/15/91	Mediterraneo Institute Agronomic de Zaragoza
Duration	11 Weeks	Apartado 202
Language	S	50080 Zaragoza, Spain, Europe
Fees	100,000 pts; tuition and fees	
Course includes: 1) Objectives of genetic breeding and its methodology; 2) Characterization of Mediterranean populations; 3) Population and quantitative genetics; 4) Concept of breed.		
Keywords ANIMAL PRODUCTION		

Marketing of Agricultural and Food Products (Advanced)

284

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 09/30/91
Deadline 05/30/91
Duration 8 Months
Language E/S
Fees 250,000 pts; tuition, fees and field trips

Phone 76-57-60-13
Fax 76-57-53-77
Telex 58672 IAMX E

This course covers the purpose of meeting the need for training in this field and facilitating the change from a traditional agriculture to a more developed one, better integrated in the national and international agrofood trade.

Keywords MARKETING, AGRICULTURE, FOOD PRODUCTION**Sheep and Goat Production**

285

Land O'Lakes

Minneapolis, Minnesota, USA

Begins 09/29/91
Deadline 08/01/91
Duration 3 Weeks
Language E
Fees 3,675 US\$; exclusive of room and board and health insurance

Manager, International Training
 P. O. Box 116
Phone 612-481-2222
Fax 612-481-2022
Telex 272333 LLOL UR

This course endeavors to provide management and technical skills in maximizing production of meat, milk and wool from sheep and goats. Target audience: small ruminant farm owners; managers; technicians or extensionists.

Keywords SHEEP, GOATS, ANIMAL SCIENCE, PRODUCTION, RUMINANT**Maintenance of Pumping System Components**

286

Utah State University

Logan and Northern Utah, USA

Begins 09/29/91
Deadline 08/29/91
Duration 3 Weeks
Language E/S
Fees 2,150 US\$

International Irrigation Center
 Utah State University
 Logan, UT 84322-4150, USA
Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Designing and implementing a successful maintenance program; power systems; pump types and maintenance procedures; operation and maintenance of mechanical power sources. Participants disassemble, examine and reassemble mechanical pumps and construct a hand pump working model. For irrigation, agricultural and extension professionals and technical staff responsible for operation and maintenance of water pump systems. Additional course 09/27/92 for 2,250 US\$ upon request.

Keywords IRRIGATION**Operation, Maintenance and Management of Irrigation Delivery Systems**

287

Utah State University

Utah, Idaho, Arizona and California, USA

Begins 09/29/91
Deadline 08/29/91
Duration 6 Weeks
Language E/S
Fees 3,975 US\$

International Irrigational Center
 Utah State University
 Logan, UT 84322-4150, USA
Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Emphasizes: the operation and maintenance of an irrigation system; improving the operation of an irrigation system and maintaining the system on a sustained, long-term basis; presents microcomputer technology for operating an irrigation system. Alternative irrigation management programs are presented. Additional course offered 09/27/92, also available upon request.

Keywords IRRIGATION, COMPUTER**Madison Waste Conference: Municipal & Industrial Waste**

288

University of Wisconsin

Madison, Wisconsin, USA

Begins 09/25/91
Deadline 04/15/91
Duration 2 Days
Language E
Fees not available

Kris Winneke, Department of Engineering
 432 North Lake Street
 University of Wisconsin
 Madison, Wisconsin 53706, USA
Phone 608-262-0493
Fax
Telex

The Madison Waste Conference provides a forum for technical training and interchange on important issues facing professionals working on land applications and disposal systems, groundwater protection and remedial actions. The conference seeks to answer the needs of professionals involved in design, regulatory review, or research, and offers these professionals an opportunity to exchange viewpoints.

Keywords WASTE

Project Management/Evaluation

239

Graduate School, USDA

Washington, D.C., USA

Begins 09/23/91 Dr. Robert Mashburn, Director
Deadline 08/23/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,950 US\$; exclusive room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 766563 GS INTL WSH

Course designed to develop project management skills including: project identification; establishing project priorities; planning/design; implementation; monitoring and evaluation. For those with management potential in private or government organizations. Topics include: perspective of products and their role in development; identification of project needs; use of logical framework analysis; formulating project proposals; network analysis with PERT and CPM; formulating organizational structures considering leadership requirements and interagency coordination problems. Additional course offered 03/09/92.

Keywords EVALUATION, MANAGEMENT, PROJECT**Management of Agricultural and Rural Development**

290

University of Manchester

Manchester, United Kingdom, Europe

Begins 09/23/91 Prof. Paul Mosley, Head
Deadline 09/23/91 Institute for Development Policy and Management
Duration 12 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 6,580 British pounds; inclusive of basic fee/self-catering accomod.

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE E att: IDPM

Consists of discussions of core of formal techniques such as: project management, monitoring and evaluation, logistics. Imparts skills in effective management of people and organizations. For graduates or senior-level experience persons and those with direct responsibility for implementing agricultural programs.

Keywords RURAL, MANAGEMENT**Management Development Programs for the Agricultural Sector**

291

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 09/23/91 Student Recruitment Executive
Deadline 08/01/91
Duration 12 Weeks Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 5,250 British pounds; 486 British pounds housing, meals not included

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

Provides practising managers in the agricultural and rural sector with an opportunity to develop their management competence in ways which will contribute to the effectiveness of their organizations. The intention is to relate individual learning directly to job demands and organizational environment, and to ensure that, managers return to their organizations with enhanced managerial competence and a greater commitment and ability to contribute to the accomplishment of organizational goals.

Keywords MANAGEMENT, RURAL**Postharvest Biology and Technology of Horticultural Perishables - Module 3**

292

University of California

Davis, California, USA

Begins 09/23/91 International Training and Education Center
Deadline 08/15/91 University Extension
Duration University of California
Language E Davis, CA 95616-8727, USA
Fees 100 US\$; per week, exclusive of room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

4-10 Weeks duration. Objective: to provide opportunity to pursue practical experience in a postharvest subject of interest. Intended primarily for people interested in postharvest research. Acceptance based on presentation of a detailed outline of a proposed study. Acceptance will depend on availability of staff and facilities or an associated center to support the proposal.

Keywords POSTHARVEST, HORTICULTURE, PERISHABLE**Community Water Supply and Sanitation for Developing Countries (EMT 02)**

293

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 09/23/91 The Director, Continuing Education Center
Deadline 08/01/91 GPO Box 2754
Duration 4 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objective: enable participants to prepare a development plan on community water supply and sanitation projects, and to manage their implementation. Contents: survey of technical alternatives; evaluation and selection of technical options; project management. Designed for environmental engineers and scientists.

Keywords ENVIRONMENT, WASTE, WATER

Introduction to Geographic Information Systems (GIS)

294

South Dakota State University

Brookings, South Dakota, USA

Begins 09/23/91 Kevin Dalsted
Deadline 09/16/91 Office of Remote Sensing/SDSU
Duration 5 Days P.O. Box 2220, Harding Hall
Language E Brookings, SD 57007-2220, USA
Fees 595 US\$

Phone 605-688-4184
Fax 605-688-5878
Telex

A survey course that provides a representative view of the functionality of geographic information tools. The course is software independent.

Keywords GEOGRAPHY, COMPUTER, DATA

Manpower Studies

295

University of Manchester

Manchester, United Kingdom, Europe

Begins 09/23/91 Dr. Derek Eldridge, Program Director
Deadline 08/01/91 Institute for Development Policy and Management
Duration 9 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 6,580 British pounds; inclusive of accommodations and fieldwork

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE G attn. IDP/M

The program attracts senior level staff in the public sector concerned with the contribution of human resources to institutional development. In particular, it is suitable for managers wishing to acquire a competence in human resource planning and to update their knowledge and skills in either the personnel management or staff training functions.

Keywords HUMAN RESOURCES, PERSONNEL

Feed Manufacturing

296

Kansas State University

Manhattan, Kansas, USA

Begins 09/23/91
Deadline 07/23/91 International Grains Program
Duration 2 Weeks Kansas State University
Language E Manhattan, KS 66506-2204, USA
Fees 1,040 US\$; exclusive of room and board

Phone 913-532-6161
Fax 913-532-7010
Telex 5106000752 KSU GRAINS

The purpose of this course is to provide an overview of the feed manufacturing industry and feed manufacturing technology. Topics covered include: plant design; plant management; maintenance and sanitation; safety; energy management; process flows; grinding; premixing; mixing technology; particle size reduction; pelleting; plant and ingredient quality control; packaging, warehousing and load out; feed plant process controls; feed formulation; cost control; equipment selection.

Keywords FEED

Planning and Appraisal of Agro-Industrial Projects

297

University of Bradford

Bradford, West Yorkshire, UK, Europe

Begins 09/23/91
Deadline 07/23/91 Development and Project Planning Centre
Duration 12 Weeks Bradford University
Language E Bradford, West Yorkshire BD7 1DP, UK, Europe
Fees 6,675 British pounds; inclusive of room, materials and tuition

Phone 0274-733466
Fax 0274-726918
Telex 61309 UNIBFD G

This course focuses on the planned development of processing facilities in relation to raw material supplies from the agriculture, forestry and fishing sectors. A variety of systems and scales of production will be considered ranging from fully integrated large scale operations to small scale outgrower based processing. Throughout the course, emphasis will be placed on co-ordination of the agricultural, industrial and commercial aspects of agro-industrial projects. Differences in the perspectives of the different agents involved in planning and implementation of such projects will be examined.

Keywords ANALYSIS, PLANNING

Poultry Production

298

Land O'Lakes

Minneapolis, Minnesota, USA

Begins 09/22/91 Manager, International Training
Deadline 08/01/91 P. O. Box 116
Duration 3 Weeks
Language E Minneapolis, MN 55440, USA
Fees 3,675 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Participants receive comprehensive instruction in the feeding, care and management of layers and broilers, focusing on increasing the quality, quantity and efficiency of poultry produced in their home country. Target audience: poultry farm owners, managers, technicians or extensionists.

Keywords FEED, POULTRY, ANIMAL SCIENCE, PRODUCTION

Food Processing as a Small Business

299

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 09/20/91 Student Recruitment Executive
Deadline 07/01/91
Duration 7 Weeks Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees not available

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

The training programme aims to assist participants to develop skills in the business and technology components of running a small-scale food enterprise.

Keywords FOOD SCIENCE, BUSINESS**Agricultural Extension Technology in the Tropics**

300

University of Edinburgh

Edinburgh, Scotland, UK, Europe

Begins 09/17/91
Deadline 08/01/91 Unived Technologies Ltd.
Duration 12 Weeks 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 3,870 British pounds; accommodations extra 500 british pounds

Phone 031-650-3476/3
Fax 031-622-4061
Telex 727442 (UNIVED G)

Provides comprehensive training for: graduate and postgraduate scientists; agricultural technologists and advisors; extension workers and administrators in government; commercial and international agencies. The course aims: to develop an understanding of potential barriers; change in rural communities; equip participants with communication skills; motivate them to train colleagues in their own country. An optional 2-week unit provides instruction in on-farm trials.

Keywords TROPICAL, EXTENSION**On Farm Trial Techniques**

301

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 09/17/91 Hamish Macandrew or Edith Field
Deadline 08/01/91 Unived Technologies Ltd.
Duration 2 Weeks 16 Buccleuch Place
Language E EH8 9LN, Scotland, UK, Europe
Fees 644 british pounds, accommodations extra 83 british pounds

Phone 031 650 3476/3
Fax 031 622-4061
Telex 727442 (UNIVED G)

Designed to complement the longer TROPAG courses. As an independent unit this is a 2-week advanced course for research scientists and agricultural extension staff which provides practical instruction in trialing methods for crops, agroforestry and farm animals in both developed and developing countries. Includes visits to a range of trials.

Keywords AGROFORESTRY, ANIMAL SCIENCE, RESEARCH, TROPICAL**International Conference on Food Science and Technology Information**

302

IFIS, LTD.

Lisbon, Portugal, Europe

Begins 09/17/91
Deadline 07/17/91 Lane End House
Duration 3 Days
Language E Shinfield, Reading RG2 9BB, UK, Europe
Fees not available

Phone
Fax
Telex

The conference will have the theme "Issues in food science today: the role of information in problem solving".

Keywords FOOD SCIENCE**Designing and Managing Integrated Agricultural and Rural Development Programs**

303

United States Department of Agriculture

Washington, D.C., USA

Begins 09/16/91 Veronica Priddy
Deadline 07/16/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4500, USA
Fees 4,487 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5260
Telex 7400228 CDOP

The course examines multisectoral focus required for successful management of broad programs and coordination of various horizontal links within and among the involved sectors necessary to effectively implement and sustain programs. Practical field work is an integral part of the back-home application focus of the course.

Keywords RURAL, MANAGEMENT, PLANNING, PROGRAM

Human Resource Development

304

Graduate School, USDA

Washington, D.C., USA

Begins 09/16/91 Dr. Robert Mashburn, Director
Deadline 08/16/91 International Education and Training
Duration 6 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 4,450 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Includes: organization and the role of human resource development; the human resource development process; establishing the human resource system; microcomputers and the human resource function; managing and developing the human resource system. Designed for human resource development officers from the public and private sectors. Additional course offered 03/02/92.

Keywords HUMAN RESOURCES**Analysis of Labor Statistics for Policy Formulation in the Human Resources Sector**

305

United States Department of Labor

Washington, D.C., USA

Begins 09/16/91 John T. McCracken, Director
Deadline 08/01/91 United States Department of Labor, Room S-1310
Duration 8 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 4,115 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex 7108229531

Learn: to select, analyze, interpret and report statistical data; to identify sources of data that can be applied to particular problems; to draw upon and apply data to decision-making through (1) the analysis process, (2) application of the analysis process in labor statistics programs, (3) application of labor statistics analysis to policy formulation and evaluation. Bring examples of data from home country for use in research projects.

Keywords STATISTICS, LABOR, DATA**The Basics of Digital Image Processing**

306

South Dakota State University

Brookings, South Dakota, USA

Begins 09/16/91 Kevin Dalsted
Deadline 00/00/00 Office of Remote Sensing/SDSU
Duration 5 Days P.O. Box 2220, Harding Hall
Language E Brookings, SD 57007-2220, USA
Fees 595 US\$

Phone 605-688-4184
Fax 605-688-5878
Telex

A "hands-on" course that takes the beginner through the various steps from reading data off a magnetic tape to classifying a Landsat digital scene.

Keywords DATA, COMPUTER**New Biometrical Tools for Plant Variety Evaluation**

307

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 09/16/91
Deadline 05/30/91 Mediterraneo Institute Agronomic de Zaragoza
Duration 2 Weeks Apartado 202
Language E/(S/F TRANS) 50080 Zaragoza, Spain, Europe
Fees 100,000 pts

Phone (76) 57 60 13
Fax 76-57-63-77
Telex 58672 IAMX E

The course is aimed at plant breeders, agronomists and other professionals involved in planning and conducting field experiments. The subject will be presented in an applied rather than theoretical context.

Keywords BREEDING, PLANT SCIENCE, AGRONOMY**IBM PC Applications in Ground Water Pollution and Hydrology**

308

National Water Well Association

Princeton, New Jersey, USA

Begins 09/16/91
Deadline 00/00/00
Duration 1 Week 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 1,445 US\$ NWWA Member; 1,495 US\$ Non-member

Phone 614-761-1711
Fax 614-761-3446
Telex

This course will comprehensively review all of the major IBM PC (or work-alike/clone) hardware and software that has application in ground water resources evaluation. The program is designed to maximize the exposure of available software to the participants. Practical applications will be emphasized, with software treated as a technical tool to be applied with professional analysis and judgement. Additional course offered 01/05/92 in San Francisco, California.

Keywords COMPUTER, WATER, HYDROLOGY

Biogeography: Patterns of Ecological Diversity

309

The School for Field Studies

Cairns, Australia

Begins 09/10/91 SFS Admissions Office
Deadline 00/00/00 16 Broadway
Duration 13 Weeks
Language E Beverly, MA 01915, USA
Fees 8,850 US\$; \$100 registration fee

Phone 508-927-7777
Fax
Telex

Five distinct but interrelated courses: Introduction to Exotic Ecosystems; Population and Community Ecology; Principles of Resource Management; Environment and Society; Directed Research. Will investigate biological, behavioral, economic, political and historical issues that must be considered in determining strategies to preserve the rainforests and the endemic wildlife of Australia. Additional course offered 02/01/92.

Keywords ENVIRONMENT, ECOLOGY, FORESTRY

Wildlife Ecology and Management

310

The School for Field Studies

Kenya, Africa

Begins 09/10/91 Admissions Department
Deadline 12/00/90 16 Broadway
Duration 13 Weeks
Language E Beverly, MA 01915, USA
Fees 8,550 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

Courses included: Wildlife Biology; Population and Community Ecology; Environment and Society; Cultural Ecology; Directed Research. To compare aspects of preserved herds as a promising experiment in wildlife management while studying the theory of wildlife ecology. Will seek to: learn about organisms, habitats, peoples and cultures of East Africa; understand ecology of East Africa; to increase awareness of philosophical, social and economic justifications for various conservation strategies. Additional course 01/14/92.

Keywords MANAGEMENT, ECOLOGY, WILDLIFE

Marine Ecology and Management

311

The School for Field Studies

Turks & Caicos Islands, West Indies

Begins 09/10/91 Admissions Office
Deadline 00/00/00 16 Broadway
Duration 13 Weeks
Language E Beverly, MA 01915, USA
Fees 8550 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

Through 5 course sequence, will investigate scientific, economic, political and historical issues involved in managing marine resources in Virgin Islands. Courses include: Introduction to Exotic Ecosystems; Marine Biology; Population and Community Ecology; Cultural Ecology; Principles of Resource Management; Directed Research. Additional course 02/01/92.

Keywords MARINE, ECOLOGY

Marine Mammal Biology and Conservation

312

The School for Field Studies

Baja, Mexico

Begins 09/10/91 Admissions Office
Deadline 12/00/90 16 Broadway
Duration 13 Weeks
Language E Beverly, MA 01915, USA
Fees 8,550 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

Courses include: Biology of Marine Mammals; Population and Community Ecology; Cultural Ecology; Environment and Society; Directed Research. Designed to allow students to explore the scientific, economic, social and historical issues involved in the conservation and protection of marine mammals. Additional course 02/01/92.

Keywords ECOLOGY, MARINE, CONSERVATION

International Conference on Energy From Sugarcane

313

Winrock International

Hilo, Hawaii, USA

Begins 09/10/91 Conference Manager, Int'l Conf. on Sugarcane
Deadline 05/31/91 1611 North Kent Street
Duration 4 Days
Language E Arlington, Virginia 22209, USA
Fees not available

Phone
Fax 703-243-1175
Telex 6451106 WIDC UW

An interactive conference in which participants will: discuss technical, legal, financial, and managerial issues associated with the generation and sale of power from sugarcane; help devise strategies for developing cane power projects; review the status of existing technologies and prospects for the future; identify and develop a network of resource persons and institutions.

Keywords PLANT SCIENCE

Hydrometeorological Measurements and Data Analysis Techniques (AWR 11) 314
 Asian Institute of Technology Bangkok, Thailand , Asia

Begins 09/09/91 The Director, Continuing Education Center **Phone** 629-0100-13 x2136
Deadline 07/15/91 GPO Box 2754 **Fax** 66-2-529-0374
Duration 6 Weeks **Telex** 84276 AIT TH
Language E Bangkok 10501, Thailand , Asia
Fees 2,500 US\$; exclusive of room and board

Objective: to evaluate the performance of a hydrometeorological station, to calibrate instruments in stream gauging stations and to analyze data using microcomputers. Module 1) Hydrometeorological stations (planning, site selection, field investigation/survey and instrument selection). Module 2) Installation, calibration and measurements. Module 3) Data processing and analysis (computer and software applications, data collection and design, reporting, data storage and retrieval). Module 4) Hands-on practices and field trip. Designed for hydrologists and water resources engineers.
Keywords WATER, HYDROLOGY, ANALYSIS, COMPUTER

Basic Remote Sensing and Image Interpretation 315
 South Dakota State University Brookings, South Dakota , USA

Begins 09/09/91 Mr. Kevin Dalsted **Phone** 605-688-4184
Deadline 09/03/91 Office of Remote Sensing/SDSU **Fax** 605-688-5878
Duration 5 Days P.O. Box 2220, Harding Hall **Telex**
Language E Brookings, SD 57007-2220 , USA
Fees 495 US\$; training fee, exclusive of room and board

A combination of lectures, demonstration and hands-on exercises will be used to familiarize participants with basis and applications of remote sensing and fundamentals of image interpretation. Course stresses practical approach including manual interpretation techniques, operational applications, digital image processing and computerized geoinformation systems.
Keywords REMOTE SENSING, COMPUTER

Basic Agricultural Survey Statistics and Methods Course 316
 United States Department of Agriculture USDA National Agri. Statistical Ser./Washington,DC, USA

Begins 09/09/91 Veronica Priddy **Phone** 202-245-5840
Deadline 07/09/91 USDA/OICD/ITD **Fax** 202-245-5960
Duration 6 Weeks United States Dept of Agriculture **Telex** 7400228 CDOP
Language E Washington, DC 20250-4300 , USA
Fees 2,866 US\$; exclusive of room and board

This course is designed for staff members who operate or supervise data collection activities. It will provide a complete overview of the operation of a data collection system. The primary goal is to provide practical, applicable principles used around the world for effective data collection.
Keywords DATA, STATISTICS

Information Resources Management 317
 VITA Arlington, Virginia , USA

Begins 09/09/91 Brij Mathur **Phone** 703-276-1800
Deadline 08/01/91 VITA **Fax**
Duration 3 Weeks 1815 N. Lynn St., Suite 200 **Telex** 440192 VITA UI
Language E Arlington, VA 22209 , USA
Fees 1,100 US\$; tuition and training materials only

Keywords INFORMATION, DATA

Tools and Techniques for Natural Resource Evaluations 318
 South Dakota State University Brookings, South Dakota , USA

Begins 09/09/91 Kevin Dalsted **Phone** 605-388-4184
Deadline 08/09/91 Office of Remote Sensing/SDSU **Fax** 605-688-5878
Duration 7 Weeks P.O. Box 2220, Harding Hall **Telex**
Language E Brookings, SD 57007-2220 , USA
Fees 3,400 US\$

An extended course including basics and advanced concepts. This comprehensive course emphasizes various tools for natural resource management and analysis. The course progresses from manual interpretation of aerial photo and satellite imagery to more sophisticated microcomputer analysis options. Digital image processing and geographic information systems are presented. A "hands-on" approach is emphasized and a small project will be undertaken by participants to apply the tools and techniques.
Keywords COMPUTER, NATURAL RESOURCES, EVALUATION

Design of Community Forestry

319

International Agricultural Centre

Wageningen, Netherlands

Begins 09/09/91 The Director
Deadline 06/10/91 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen, Netherlands
Fees 3,700 dutch guilders; excluding room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888-INTAS

Within the course programme the concept of community forestry is placed in the broader context of rural development, needed for design and implementation of community forestry programmes and projects. Curriculum: 1) introduction 2) key issues with regard to the analysis of rural environments 3) collection and use of relevant data (field work) 4) analysis of problems and objectives related to community forestry programmes (objective oriented project planning/OOPP workshops) 5) planning issues with regard to community forestry programmes 6) design of community forestry programmes 7) economic considerations and policy instruments with regard to community forestry programs 8) presentation and evaluation.

Keywords FORESTRY**Information on Agriculture**

320

Commonwealth Agricultural Bureaux International

Wallingford, Oxon, United Kingdom, Europe

Begins 09/09/91
Deadline 06/30/91 CAB International
Duration 3 Weeks Wallingford
Language E Oxfordshire OX10 8DE, UK
Fees 900 British pounds; room & board, travel costs for organized visits

Phone 0491-32111
Fax 0491-33508
Telex 847964 (COMAGG G)

The objective of this course is to give information professionals, chiefly from developing countries, a wide-ranging overview of current information resources and practices in the fields of agricultural and rural development by exposure to the expertise of contributing speakers and to the experiences of the other participants.

Keywords AGRICULTURE, COMPUTER, INFORMATION**Agricultural Policy Seminar**

321

United States Department of Agriculture

Washington, D.C., USA

Begins 09/09/91 Veronica Priddy
Deadline 07/09/91 USDA/OICD/TTD
Duration 4 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 2,848 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

The course focuses on market-oriented policy analysis for decision-making and implementation. It will expose participants to the principles of decision analysis for both national and international agricultural markets. Field visits in Washington, D.C., will emphasize both political and economic objectives and their integration in policy making and implementation.

Keywords AGRICULTURE, POLICY**Policy Issues Affecting Fertilizer Sector Development and Sustainable Agriculture**

322

International Fertilizer Development Center

Muscle Shoals, Alabama and Washington, D.C., USA

Begins 09/09/91 Ram S. Giroti, Training Administrator
Deadline 08/16/91 International Fertilizer Development Center
Duration 2 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,100 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Challenges of sustainable agriculture. Fertilizer use for food security and sustainable agriculture. Structural adjustment programs and their impact on agriculture and fertilizers. Macroeconomic, pricing, subsidy, and credit policies and their impact on fertilizer sector development. Fertilizer supply strategy and investment policy. Organizational arrangements for the fertilizer sector operations. Risk and uncertainty in crop production and fertilizer use. Safeguards against environmental damage from inappropriate fertilizer production and use.

Keywords POLICY, FERTILIZER, SUSTAINABLE, AGRICULTURE, DEVELOPMENT**Responsibilities and Functions of Board Members of Commodity/Organizations**

323

The University of the West Indies

Turtle Beach Hotel, Tobago, North America

Begins 09/09/91 The Programme Coordinator
Deadline 07/09/91 Tropical Agricultural Technology Training Unit
Duration 2 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 800 US\$; extra 1,250 room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: articles of association, the policy/management device; board structure and rotation of membership; functions and responsibilities of board members; legal - financial matters; strategic - technological/commercial responsibilities; role of the chairman and the board secretary; board procedures and board evaluation.

Keywords BUSINESS, MANAGEMENT

Survey Sampling in Developing Countries

324

University of Michigan

Cairo, Egypt , Africa

Begins 09/07/91 Mr. David A. Binder
Deadline 07/07/91 2035 Dana Building
Duration 2 Days University of Michigan
Language E Ann Arbor, Michigan 48109-1115 , USA
Fees 300 US\$; registration fee

Phone
Fax 313-951-1462
Telex

The emphasis of the workshop will be on practical aspects of survey sampling in developing countries. Examples from demographic and household surveys and from agricultural surveys will be drawn upon. The participants should have experience in the planning, implementation, evaluation or analysis of surveys. The workshop will be of most benefit to those who are involved in survey practice in developing countries.

Keywords SURVEY, STATISTICS**Soil Conservation and Management Study Tour of U.S. Mid-Western States**

325

Utah State University

Utah, Colorado, Nebraska, Kansas, Texas, Iowa , USA

Begins 09/04/91 International Irrigation Center
Deadline 08/01/91
Duration 3 Weeks Utah State University
Language E/S Logan, UT 84322-4160 , USA
Fees 1,850 US\$ tuition

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOCN

Emphasis on field practices that protect soil from wind and water erosion, managing and conserving natural soil moisture to improve dryland production. Agronomic, cultural and structural practices to maintain viable rainfed agriculture are observed and discussed. The feasibility and technical aspects of supplemental irrigation in rainfed agriculture is also covered. Designed for developing country officials, project managers, educators and technical staff. Additional course 09/02/92 for 1,875 US\$.

Keywords CONSERVATION, SOIL**Sampling and Statistical Methods**

326

United States Bureau of the Census

Washington, D.C. , USA

Begins 09/04/91 Thomas C. Walsh, Chief
Deadline 07/04/91 International Statistical Programs Center
Duration 12 Months
Language E Washington, D.C. 20233 , USA
Fees not available

Phone 301-763-2860
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

Module 1: Development of Sample Designs and Sampling Frames (September 4-December 27, 1991); Module 2: Analyzing and Interpreting Data and Measuring Data Reliability (January 2-March 13, 1992); Module 3: Managing Survey/Census Activities and Controlling Data Quality (March 18-May 22, 1992); Module 4: Demonstration Survey (May 28-August 1, 1992).

Keywords DEVELOPMENT, DESIGN, ANALYSIS, DATA, SURVEY**Economic Statistics**

327

United States Bureau of the Census

Washington, D.C. , USA

Begins 09/04/91 Thomas C. Walsh, Chief
Deadline 07/04/91 International Statistical Programs Center
Duration 12 Months
Language E Washington, D.C. 20233 , USA
Fees not available

Phone 301-763-2860
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

Module 1: Economic Concepts for Statisticians (September 4-December 27, 1991); Module 2: Tools for Economic Statisticians (January 2-March 13, 1992); Module 3: Theory and Applications of Management in Economic Statistical Activities (March 18-May 22, 1992); Module 4: Demonstration Survey (May 28-August 1, 1992).

Keywords ECONOMICS, STATISTICS, SURVEY**Computer Processing and Information Systems**

328

United States Bureau of the Census

Washington, D.C. , USA

Begins 09/04/91 Thomas C. Walsh, Chief
Deadline 07/04/91 International Statistical Programs Center
Duration 12 Months
Language E Washington, D.C. 20233 , USA
Fees not available

Phone 301-763-2860
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

Module 1: Introduction to CPIS (September 4-December 27, 1991); Module 2: Design and Implementation of CPIS (January 2-March 13, 1992); Module 3: Computer Systems for Processing and Statistical Analysis of Census/Survey Data (March 18-May 22, 1992); Module 4: Demonstration Survey (May 28-August 1, 1992).

Keywords COMPUTER, INFORMATION, STATISTICS, SURVEY

Survey and Census Methods

329

United States Bureau of the Census

Washington, D.C., USA

Begins 09/04/91 Thomas C. Walsh, Chief
Deadline 07/04/91 International Statistical Programs Center
Duration 12 Months
Language E Washington, D.C. 20233, USA
Fees not available

Phone 301-763-2860
Fax 301-763-7589
Telex 9102609167(ISPCCENSUSWSH)

Module 1: Data Collection Systems (September 4-December 27, 1991); Module 2: Design of Collection and Processing Forms and Controls (January 2-March 13, 1992); Module 3: Management and Training for Survey and Census Activities (March 18-May 22, 1992); Module 4: Demonstration Survey (May 28-August 1, 1992).

Keywords SURVEY, DATA, DESIGN, MANAGEMENT

Postharvest Biology and Technology of Horticultural Perishables - Module 2

330

University of California

Davis, California, USA

Begins 09/03/91 International Training and Education Center
Deadline 08/01/91 University Extension
Duration 2 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees 950 US\$; exclusive of room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Objective: to present scientific principles and concepts of postharvest physiology of fresh crops to enable participants to innovate solutions to their own specific problems. Course includes: lectures and labs on physiological basis of deterioration and concepts related to its control; the physical principles and technology related to harvesting, packaging, quality control, etc.; socio economic context for postharvest management; the role and function of public agencies; requirements and practices for crops.

Keywords POSTHARVEST, PERISHABLE, HORTICULTURE

Micro-Hydro Power

331

Intermediate Technology Development Group

Nuwara Eliya, Sri Lanka, Asia

Begins 09/03/91 Dr. Adam Harvey
Deadline 07/03/91 Myson House
Duration 20 Days Railway Terrace
Language E Rugby CV21 3HT, United Kingdom, Europe
Fees 900 British pounds; covers all in-country and course costs

Phone 0788-560631
Fax
Telex

Course content: site measurement; hydrology; intakes; settling/forebay tanks; canals; penstocks; turbines; drives; alternators; governors; transmission lines; contractual considerations; costing/economics; operation and maintenance; induction motors as generators; local manufacture.

Keywords HYDROLOGY

Rural Credit Management

332

Mananga Agricultural Management Centre

Mhlume, Swaziland, Africa

Begins 09/02/91 The Principal, MAMC
Deadline 07/08/91 P. O. Box 20
Duration 5 Weeks
Language E Mhlume, Swaziland, Africa
Fees 4,250 British pounds; includes food and lodging

Phone 31133 or 31334
Fax 31135
Telex 2320 WD

Aimed at managerial and executive staff with responsibility for the provision of credit for rural development. Course seeks to improve: knowledge, skills and judgment in credit appraisal; develop awareness of the role of credit in development process; deal with essential policy issues in provision of credit for rural development; emphasize appropriate care in human relationships. Prefer graduates and diploma or certificate holders in agriculture.

Keywords CREDIT, RURAL

Monitoring, Evaluation, Feedback and Management of Irrigated Agricultural Systems

333

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 09/02/91 Colorado Institute for Irrigation Management
Deadline 07/15/91 410 University Services
Duration 4 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 3,500 US\$; exclusive of room and board

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Reviews: management of integrated irrigation and agricultural development projects; principles and basic goals; purposes and objectives of research; extension and training; program management. Analysis of irrigation case studies illustrating successful integration of monitoring, evaluation and feedback. Field tours. Designed for senior irrigation professionals, administrators, planners and department heads. Annually.

Keywords SYSTEMS, EVALUATION, IRRIGATION, MONITORING

Dairy Farm Management

334

Dairy Training Centre-Friesland

Oenkerk, Netherlands , Europe

Begins 09/02/91 Dr. Osinga, Director
Deadline 07/02/91 DTC-Friesland
Duration 6 Weeks P.O. Box 85
Language E 9052 ZJ Oenkerk, Netherlands , Europe
Fees 4,000 Dutch guilders; including board, room and excursions

Phone 3151031562
Fax 05103-1628
Telex 46838 DTCFR NL

Most training time spent on real problems where real animals, machinery, records are used. Subject areas include: milk and milking; cattle feeding; forage production; calf rearing; fertility; breeding; animal health; housing; farm machinery; manpower management; farm economics. Requires experience as manager or assistant manager of a dairy farm. Additional Course Offered 08/31/92.

Keywords ANIMAL SCIENCE, DAIRY, CATTLE

Livestock Policy Analysis

335

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 09/02/91 Director of Training and Information
Deadline 06/01/91 P.O. Box 5689
Duration 3 Weeks
Language F Addis Ababa, Ethiopia , Africa
Fees 2,520 US\$; inclusive of room, board and insurance

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

Training to develop various livestock sub-sectors, assessment of political factors. Training will help participants develop skills and master implications of policy objectives definition and means of developing action plans. Technical areas: farming systems research; public policy; production systems—supply and demand; budget/planning; marketing and distribution systems; problem identification.

Keywords POLICY, LIVESTOCK, ANALYSIS

Forestry Planning and Management

336

ANUTECH Pty Ltd.

Canberra and Gympie , Australia

Begins 09/02/91 Dr. Ken Shepherd, Manager
Deadline 07/01/91 Forestry Division
Duration 10 Weeks GPO Box 4
Language E Canberra ACT 2601 , Australia
Fees 25,500 Australian \$; includes room, one meal/day, and use of kitchen

Phone 011-616-249-0617
Fax 011-616-249-5876
Telex AA62760NATUNI Attn: ANUTECH

Objectives are to update and upgrade the skills of middle to senior level forestry planners and managers. Its central focus is on the identification, design, appraisal, implementation, management and evaluation of forestry projects. Participants will develop computer software skills for financial and economic analysis of forestry projects. Considerable emphasis is given to the application of these techniques in case studies (which participants are invited to bring from home country or organization). For those with technical background, some managerial and policy responsibilities.

Keywords FORESTRY, MANAGEMENT, PLANNING

Quality Control in the Food Industry (MI 14)

337

Asian Institute of Technology

Bangkok, Thailand , Asia

Begins 09/02/91 The Director, Continuing Education Center
Deadline 07/15/91 GPO Box 2754
Duration 3 Weeks
Language E Bangkok 10501, Thailand , Asia
Fees 1,500 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objectives: enhance expertise and skills in formulating and implementing quality control (QC) plans and procedures in using statistical tools and computers to estimate costs and benefits of QC. Contents: Principles of QC; management role in QC; planning/implementation of QC; statistical methods; computer aided QC; QC circles; accounting; hazard analysis and critical control point; sanitation; quality standards and specifications; QC in dairy, meats, cereals, canned food and soft drinks; QC education/training; designing QC plans for a factory; individual and group projects; case studies; factory visits, discussions.

Keywords FOOD PRODUCTION, FOOD SCIENCE

Rural Extension Techniques

338

Land O'Lakes

Minneapolis, Minnesota , USA

Begins 09/02/91
Deadline 07/01/91 P. O. Box 116
Duration 3 Weeks
Language E Minneapolis, MN 55440 , USA
Fees 2,410 US\$; exclusive of living allowance and insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Trainers involved in agricultural extension programs receive instruction in new extension techniques; program planning; materials development; communications; actual field work. Target audience: public or private educators and extensionists in agriculture.

Keywords RURAL, EXTENSION, COMMUNICATION, TRAINING

Socio-Economic Evaluation Methods in Agroforestry

339

International Council for Research in Agroforestry

Kenya , Africa

Begins 09/02/91 Training Programme Coordinator
Deadline 07/02/91 International Council For Research in Agroforestry
Duration 4 Days P.O. Box 30677
Language E Nairobi, Kenya , Africa
Fees not available

Phone
Fax 254-2-521001
Telex

Keywords EVALUATION, AGROFORESTRY, ECONOMICS**Abattoir Facilities, Meat Handling and By-Product Utilization**

340

The University of the West Indies

St. Augustine, Trinidad , North America

Begins 09/02/91 The Programme Coordinator
Deadline 07/02/91 Tropical Agricultural Technology Training Unit
Duration 3 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago , North America
Fees 1,200 US\$; extra 650 US\$ room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course objectives: To provide participants with the knowledge and hands-on experience of: 1) features of construction and standards related to small abattoirs; 2) slaughter activities - from preparation of animals, ante- and post-slaughter through to preparation of products ready for marketing; 3) the potential uses of animal by-products resulting from abattoir operations.

Keywords FOOD PRODUCTION**Bibliographic Information on Development**

341

Institute of Development Studies

Brighton, United Kingdom , Europe

Begins 08/27/91 The Chairman, Teaching Area
Deadline 06/27/91 University of Sussex
Duration 3 Weeks
Language E Falmer, Brighton BN1 9RE, United Kingdom , Europe
Fees 1,665 British pounds; including room and board

Phone 0273-60-6261
Fax 0273-67-8420
Telex 877997 IDSBTN G

This seminar is for professional library personnel from developing countries involved in the management and development of library services. It is intended to help strengthen library/bibliographic information science in developing countries and to assist in improving services and systems in relation to user needs. The seminar demonstrates just how important bibliographic information is to development.

Keywords INFORMATION, DEVELOPMENT**Financial Management**

342

Graduate School, USDA

Washington, D.C. , USA

Begins 08/26/91 Dr. Robert Mashburn, Director
Deadline 07/26/91 International Education and Training
Duration 3 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 2,250 US\$; exclusive of living allowance

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Presents the planning, organizing and controlling of financial administration for international institutions. Topics include: financial forecasting and planning; feasibility studies; consumer and industrial buying behaviors; statistics for management; principles of accounting; marketing information systems. Additional topic areas include: financial analysis and planning; working capital management; capital budgeting process; long-term financing; expanding the perspective of corporate finance; computer applications. Additional course offered 02/10/92.

Keywords ACCOUNTING, ECONOMICS, FINANCE, COMPUTER**Development and Operation of Agricultural Extension Programs (TC #110-5)**

343

University of Wisconsin

Madison, Wisconsin , USA

Begins 08/26/91 Ms. Baumgartner, Training Coordinator
Deadline 07/01/91 1450 Linden Drive, 240 Agricultural Hall
Duration 8 Weeks University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 4,353 US\$; \$3675 maintenance allowances

Phone 608-262-3673
Fax 608-262-8852
Telex

Designed to: develop knowledge and skills to apply extension education program concepts to overall agricultural and rural development; apply extension programs development techniques to strengthen linkages between research, extension and rural families; U.S. and other government programs and efforts of private groups to strengthen extension. Covers roles of subject matter specialist, administrators, county agents and other extensionists. English proficiency required. For extension, agriculture or home economic administrators, research and field staff.

Keywords EXTENSION, PROGRAM

Small Farmer Credit Policy and Administration (140-8)

344

United States Department of Agriculture

Washington, D.C. , USA

Begins 08/26/91 Howard Oppen, PM 132
Deadline 06/26/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 3,134 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Focuses on role of small farmer credit programs in the development of agricultural sector. Field trips include visits to major U.S. agricultural credit institutions to observe and practice administrative techniques used in making loans. Participants exchange ideas on agricultural credit systems in their home countries and learn how small farmer credit fits into their system.

Keywords CREDIT, ADMINISTRATION**Irrigation Water Management**

345

International Rice Research Institute

Los Banos and Laguna, Philippines , Asia

Begins 08/26/91 Head, Training Center
Deadline 07/01/91 International Rice Research Institute
Duration 6 Weeks P.O. Box 933
Language E Manila, Philippines , Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Designed to enhance concepts, understanding, knowledge of and skill in practices for efficient management of rice irrigation systems. Course includes: water requirements, agronomic and soil consideration; engineering and management; social, economic and communication; basic rice production. Training program emphasizes applied aspects of learning methodology. Requires: junior researcher or professional working on national rice or rice-based programs; hold BS/MS in agricultural engineering or related field.

Keywords IRRIGATION, WATER**Small Farmer Credit Policy and Administration (TC 140-8)**

346

Agricultural Cooperative Development International

Washington, D.C. , USA

Begins 08/26/91 Education and Training Dept
Deadline 07/01/91 50 F Street N.W., Suite 900
Duration 6 Weeks
Language E Washington, D.C. 20001 , USA
Fees 3,134 US\$; extra 3,700 US\$ for maintenance

Phone 202-638-4661
Fax 202-626-8726
Telex 160923

Course focuses on the role of small farmer credit programs in the development of agriculture. Topics: implementation of borrowing and lending principles; evaluation mechanisms to reduce risks and lower administrative costs; integration of savings mobilization and credit delivery schemes; weigh alternative policies of rural credit and the tradeoffs that exist among them.

Keywords BUSINESS, CREDIT, ENTERPRISE**Development and Operation of Agricultural Extension Programs 110-5 (2 Sections)**

347

United States Department of Agriculture

University of Wisconsin/Madison , USA

Begins 08/26/91 Freeman Daniels, PM 153
Deadline 06/26/91 USDA/OICD/ITD
Duration 8 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 3,801 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP UC

Fundamental principles, theories and practices of agricultural extension systems. Reviews the structure and function of extension services and how they help to improve rural life. The second section begins on August 27.

Keywords RURAL, EXTENSION, PROGRAM**Computer Applications in Management**

348

Graduate School, USDA

Washington, D.C. , USA

Begins 08/26/91 Dr. Robert Mashburn, Director
Deadline 07/26/91 International Education and Training
Duration 8 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 7,050 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Includes: DOS system software; beginning and advanced word processing; spreadsheet accounting with LOTUS 1-2-3; database management with dBase III; communications software; project management software. Designed for government officers, manager of businesses and directors of development projects. Additional course offered 02/10/92.

Keywords COMPUTER, MANAGEMENT

Project Analysis
Graduate School, USDA

349

Washington, D.C., USA

Begins 08/26/91 Dr. Robert Mashburn, Director
Deadline 07/26/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,950 US\$; exclusive of food and accommodations

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Skills and techniques to: analyze projects; identify critical factors; estimate benefits and costs; distinguish between financial and economic analysis; estimate financial and economic impacts; identify risks, complications and methods for their inclusion in analysis; present data for comparison. Topics include: financial analysis; business management; economic analysis; shadow vs market prices, uncertainty and inflation, intangible costs/benefits. Additional course offered 02/10/92.

Keywords ANALYSIS, FINANCE, ECONOMICS

Computer Assembly (Build Your Own Computer)
Graduate School, USDA

350

Washington, D.C., USA

Begins 08/26/91 Dr. Robert Mashburn, Director
Deadline 07/26/91 International Education and Training
Duration 5 Days 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 1,950 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

For those wishing to learn about computer hardware without taking a technical course. Using readily available components participants assemble an IBM-compatible computer, acquire insights to assessment of hardware by learning primary functions and identify major components. Also learn how MS-DOS interacts with the computer. Hardware, diskettes, documentation and manuals provided. Additional course offered 02/10/92.

Keywords COMPUTER

Cooperative Development and Management Seminar
University of Wisconsin

351

Madison, Wisconsin, USA

Begins 08/26/91 University Center for Cooperatives
Deadline 07/01/91 513 Lowell Hall, 610 Langdon Street
Duration 13 Weeks University of Wisconsin
Language E Madison, Wisconsin, USA
Fees 4,500 US\$; tuition fee

Phone 608-262-3981
Fax 608-262-3251
Telex 265452 CABLE UOFWISC MDS

Focuses on the implementation of cooperative principles and philosophy in the daily conduct of successful cooperative enterprises. Subject areas include: organization, management and operations; finance, credit and economics of cooperative operations; public relations and communications. Seminar format with heavy involvement of participants. Also: "learn by doing" through case studies, workshops, visual aids, exercises and field trips. Participants should have working knowledge of cooperatives.

Keywords COOPERATIVE, MANAGEMENT, FINANCE

Management Systems in Community Forestry
Kasetsart University

352

Chiang Mai, Thailand, Asia

Begins 08/26/91 Dr. Somsak Sukwong
Deadline 06/26/91 Regional Community Forestry Training Center
Duration 1 Week c/o Faculty of Forestry, Kasetsart University
Language Bangkok 10900, Thailand, Asia
Fees not available

Phone 579-0108
Fax 66-25798781
Telex 21957 RECOFTC TH

Keywords MANAGEMENT, FORESTRY

Export Market Requirements for Fruits and Vegetables, and Floriculture

353

The University of the West Indies

St. Augustine, Trinidad, North America

Begins 08/26/91 The Programme Coordinator
Deadline 06/28/91 Tropical Agricultural Technology Training Unit
Duration 3 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 1,200 US\$; extra 600 US\$ room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: product identification and development; technical support services; quality control systems; post harvest technology; marketing systems; cost and pricing; sector association formation.

Keywords FRUIT, VEGETABLE, PLANT SCIENCE

Evaluation and Production of Forage Crops

354

International Livestock Centre for Africa

Debre Zeit, Ethiopia , Africa

Begins 08/26/91 Director of Training and Information
Deadline 05/01/91 P.O. Box 5689
Duration 3 Weeks
Language F Addis Ababa, Ethiopia , Africa
Fees 2,520 US\$; inclusive of room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

Training in theory and application in following areas: resources for forage production; agronomy systems research; planting forage crops; soil fertility and plant nutrition; crop protection; harvesting and seed treatment.

Keywords EVALUATION, PLANT SCIENCE, FORAGE, AGRONOMY

Forage Crop Seed Production

355

International Livestock Centre for Africa

Debre Zeit, Ethiopia , Africa

Begins 08/26/91 Director of Training and Information
Deadline 05/01/91 P.O. Box 5689
Duration 3 Weeks
Language F Addis Ababa, Ethiopia , Africa
Fees 2,520 US\$; inclusive of insurance, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

Training in forage crop seed production and management of forage seed production units. Training to focus on small-holders organized into cooperatives as well as to large scale public and private sector producers. Technical areas: farming systems research; forage production; soil fertility/plant nutrition; seed multiplication; marketing.

Keywords SEED, FORAGE, PLANT SCIENCE, AGRONOMY

Managing Development With Microcomputers

356

Management Training and Development Institute

Washington, D.C. , USA

Begins 08/25/91 Dr. Robert C. Morris
Deadline 07/01/91 P.O. Box 23975
Duration 2 Weeks
Language E Washington, DC 20026 , USA
Fees 1,420 US\$; exclusive of room and board

Phone 202-646-7910
Fax 202-646-7911
Telex

A "hands-on" introduction to the nature, potential and limitations of microcomputers in development projects. Helpful to those using microcomputers in academic work, for work in home country and for training others. Provides set of criteria for judging what hardware and software might be most appropriate for specific uses. Experience provided on database, spreadsheet and word processing programs.

Keywords COMPUTER, MANAGEMENT, DEVELOPMENT

Design of Wells and Pumps for Irrigation

357

Utah State University

Utah and Colorado , USA

Begins 08/25/91 International Irrigation Center
Deadline 07/25/91
Duration 5 Weeks Utah State University
Language E/S Logan, UT 84322-4150 , USA
Fees 3,375 US\$

Phone 801-750-2800
Fax 901-750-1248
Telex 3789426 UTAHSTATE LOGN

Participants gain an understanding of applied groundwater hydrology and applied hydraulics in pumping; appropriate well design, construction and maintenance of pumping plant components and accessories; the economics of pumping at the system level and the farm field level. Additional course offered 08/23/92 for \$3,450, also available upon request.

Keywords IRRIGATION, HYDROLOGY

Farmer Participation and Irrigation Organizations

358

Utah State University

Logan, Utah , USA

Begins 08/25/91 International Irrigation Center
Deadline 07/25/91
Duration 3 Weeks Utah State University
Language E/S Logan, UT 84322-4150 , USA
Fees 2,200 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Participants analyze systems of irrigation organization and management from a social science and interdisciplinary perspective. Emphasis on role of farmers and effective farmer water users associations in design, construction, maintenance, monitoring, management and rehabilitation of irrigation systems. Focus on: farmer participation; factors enhancing and/or inhibiting efforts; situations conducive to farmer participation. Additional course offered 08/23/92 for 2,300 US\$.

Keywords IRRIGATION, ORGANIZATION

Technical Writing Course

National Water Well Association

Chicago, Illinois, USA

359

Begins 08/23/91
Deadline 07/01/91
Duration 1 Day 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 195 US\$; excluding lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

The course will review basic techniques for: report organization; language style/use; data presentation; exhibit preparation. Several examples/case studies will be presented to demonstrate how scientific information is presented in a clear, concise manner to technical and non-technical readers. The program will be particularly useful for geoscientists and engineers who are responsible for report preparation and data presentation.

Keywords ENGLISH, COMMUNICATION**Dairy Sheep Symposium**

North American Dairy Sheep Association

University of California/Davis, USA

360

Begins 08/23/91
Deadline 00/00/00 Route 3, Box 4
Duration 2 Days
Language E Hinkley, Minnesota, USA
Fees not available

Phone 612-384-6612
Fax
Telex

Topics in the symposium include: flock health and management; genetics; nutrition; sheep milking; milking equipment; barn design; marketing of milk products; regulatory issues.

Keywords SHEEP, DAIRY**Farm Mechanization**

Larenstein International Agricultural College

Deventer, Netherlands, Europe

361

Begins 08/23/91 Registry Office
Deadline 06/23/91 P.O. Box 7
Duration 10 Months
Language E 7400 AA Deventer, Netherlands, Europe
Fees not available

Phone
Fax
Telex

This course is for mid-career training. Applicants should have diploma or BSc in agriculture, four years work experience and competence in English.

Keywords EQUIPMENT**Tropical Animal Production**

Larenstein International Agricultural College

Deventer, Netherlands, Europe

362

Begins 08/23/91 Registry Office
Deadline 06/23/91 P.O. Box 7
Duration 10 Months
Language E 7400 AA Deventer, Netherlands, Europe
Fees not available

Phone
Fax
Telex

This course is for mid-career training. Applicants should have diploma or BSc in agriculture, four years work experience and competence in English.

Keywords TROPICAL, ANIMAL PRODUCTION**Training in Rural Extension and Teaching**

Larenstein International Agricultural College

Deventer, Netherlands, Europe

363

Begins 08/23/91 Registry Office
Deadline 06/23/91 P.O. Box 7
Duration 10 Months
Language E 7400 AA Deventer, Netherlands, Europe
Fees not available

Phone
Fax
Telex

This course is for mid-career training. Applicants should have diploma or BSc in agriculture, four years work experience and competence in English.

Keywords RURAL, EXTENSION

Introduction to Midwest Agriculture

364

Land O'Lakes

Minneapolis, Minnesota, USA

Begins 08/22/91 Manager, International Training
Deadline 06/22/91 P. O. Box 116
Duration 1 Week
Language E Minneapolis, MN 55440, USA
Fees 1,125 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

University and private agribusiness leaders provide an overview of how agricultural production, processing and research are carried out in the United States. Target audience: agricultural development professionals; AID personnel; agricultural managers or technicians.

Keywords EXTENSION, TRAINING, AGRIBUSINESS

Ruminant Production in the Tropics 9.13/91 TK75-232-91

365

German Foundation for International Development

Feldafing GDR, Europe

Begins 08/22/91 Deutsche Stiftung für Internationale Entwicklung
Deadline 04/22/91 Zentralstelle für Ernährung und Landwirtschaft
Duration 4 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR, Europe
Fees 9145 Dm

Phone 08157-383219
Fax
Telex

Topics include: planning and implementing the integration of ruminant production; economic assessment; marketing; conditions analysis; production design; forage/pasture management; feed rations formulation; preparation of herd development/management; organizational machinery; tropical cattle and methods of milk/beef production; thermal regulations; breeding/husbandry techniques; production techniques; sheep and goats for production; small ruminants and environment; carcass quality; classification; meat hygiene and processing; tropical animal diseases and prevention.

Keywords RUMINANT, FEED, PRODUCTION, TROPICAL

International Symposium on Soil Testing and Plant Analysis in the Global Community

366

Council Headquarters

Orlando, Florida, USA

Begins 08/22/91
Deadline 03/01/91 Georgia University Station
Duration 6 Days P.O. Box 2007
Language E Athens, Georgia 30612-0007, USA
Fees 150 US\$; exclusive of room and board

Phone 404-546-0425
Fax 404-548-4891
Telex

This program will consist of selected Plenary speakers, poster sessions, exhibits, tours and special training courses. Ample opportunity will be provided for maximum discussion and interaction among participants. Participants are encouraged to submit titles for the poster session.

Keywords SOIL, ANALYSIS

Leadership and Management Development

367

Graduate School, USDA

Washington, D.C., USA

Begins 08/21/91 Dr. Robert Mashburn, Director
Deadline 07/05/91 International Education and Training
Duration 3 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,250 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Courses: nature of the management process; basic supervisory skills; communication; decision making; planning; delegation; leadership; time management; personnel administration; evaluation. Designed for managers from the private and public sectors. Additional courses offered 01/20/92 and 02/05/92.

Keywords LEADERSHIP, PERSONNEL, MANAGEMENT

Treatment Technology for Contaminated Ground Water

368

National Water Well Association

Chicago, Illinois, USA

Begins 08/20/91
Deadline 07/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees not available

Phone 614-761-1711
Fax 614-761-3446
Telex

This course will provide you with an understanding of various treatment technologies for contaminated ground water. State-of-the-art methods for the removal of petroleum hydrocarbons and other organic chemicals, along with inorganic compounds, will be discussed. Additional course offered 12/03/91 in Denver, Colorado.

Keywords WATER, WASTE

Project Analysis Certificate Program
Graduate School, USDA

369

Washington, D.C. , USA

Begins 08/19/91 Dr. Robert Mashburn, Director
Deadline 07/19/91 International Education and Training
Duration 15 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 9,000 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 766563 GS INTL WSH

Program provides skills and techniques necessary to assess and implement complex development projects. Topics include: use of computer as a tool, operation of a computer and appropriate software; principles/techniques of project analysis, analysis of project components and critical factors, identifying risks/benefits; project design/management/objectives and personnel management; management information systems and integrating technology. For analysts/managers. Additional course offered 02/03/92.
Keywords ANALYSIS, PERSONNEL, INFORMATION, PROJECT

Environmental Impact Assessment (EIA) and Review (EMT 01)

370

Asian Institute of Technology

Bangkok, Thailand , Asia

Begins 08/19/91 The Director
Deadline 07/01/91 GPO Box 2754
Duration 4 Weeks
Language E Bangkok 10501, Thailand , Asia
Fees 2,000 US\$; exclusive room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objective: Provide a conceptual framework on how EIA can be used as an effective planning and management tool. It enables the participants to evaluate critically EIA studies and to prepare a report of the evaluation. Modules: conceptual framework on environmental management and decision making systems; identification of environmental components and indicators for impact analysis; predicting impacts on natural systems and receptors; evaluating impacts and selecting appropriate alternatives/mitigating measures; practicum.
Keywords ENVIRONMENT

Postharvest Biology and Technology of Horticultural Perishables - Module 1

371

University of California

Davis, California , USA

Begins 08/19/91 International Training and Education Center
Deadline 07/15/91 University Extension
Duration 2 Weeks University of California
Language E Davis, CA 95616-8727 , USA
Fees 1,000 US\$; exclusive of room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Study/tour related to handling practices in California production zones. Objective: to observe current technology and marketing structures related to postharvest handling; to understand principles and concepts involved (emphasis on commodity requirements); Includes tours, lectures and discussions with producers, packers, shippers and farm advisors. Commercial practices include harvesting, market preparation, temperature management and transportation.
Keywords POSTHARVEST, HORTICULTURE, PERISHABLE

Computer Applications for Agricultural and Natural Resource Management

372

Oregon State University

Corvallis, Oregon , USA

Begins 08/19/91 Training Coordinator
Deadline 06/19/91 Office of International Research & Development
Duration 2 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641 , USA
Fees 1,400 US\$; exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Participants will learn to utilize microcomputers to organize and analyze natural resource and agricultural data and to evaluate management options based upon this information. Applications will be tailored to situations commonly found in developing countries. Participants will develop knowledge and skills to: operate a computer and MS-DOS; build and utilize computer spreadsheets; statistically summarize and graphically present information; use a word processor.
Keywords COMPUTER, NATURAL RESOURCES, MANAGEMENT

Management Skills for Agricultural Research

373

Winrock International

Morrilton, Arkansas , USA

Begins 08/19/91 Training Unit
Deadline 07/15/91 Route 3 Box 376
Duration 1 Week Petit Jean Mountain
Language E Morrilton, AR 72110 , USA
Fees 1,200 US\$; inclusive of room and board based on double occupancy.

Phone 501-727-5435
Fax 501-727-5242
Telex 910-720-6616 WI HQ UD

Broadens research management skills of international graduate students. Focuses on preparing them for the difficulties of re-entering agricultural management systems in their home countries. Learn: management concepts for developing country research systems; computer-aided programming for agricultural research management; management skills training for long-term professional development; research monitoring and evaluation; research agenda planning and development.
Keywords RESEARCH, MANAGEMENT

The Death of Nature: Ideas of Nature and the Environment

374

Massachusetts Institute of Technology

Cambridge, Massachusetts, USA

Begins 08/19/91 Summer Session Office, Room E19-356
Deadline 06/19/91 Massachusetts Institute of Technology
Duration 1 Week 50 Ames Street
Language E Cambridge, MA 02139, USA
Fees 600 US\$

Phone 617-253-2101
Fax 614-253-8042
Telex 921473 MIT CAM

This course will survey the changing history of conflicting ideas about the natural environment, as exemplified in representative texts from ancient times to the present. Readings will include: Aristotle; The Book of Genesis; Virgil; Swift; Rousseau; Wordsworth; Charles Darwin; Thoreau; William Faulkner; current textbook of ecology.

Keywords ENVIRONMENT, NATURAL RESOURCES**Teaching Materials in Agroforestry**

375

International Council for Research in Agroforestry

Kenya, Africa

Begins 08/19/91 Training Programme Coordinator
Deadline 06/19/91 International Council For Research in Agroforestry
Duration 1 Week P.O. Box 30677
Language E Nairobi, Kenya, Africa
Fees not available

Phone
Fax 254-2-521001
Telex

Keywords AGROFORESTRY, TRAINING**Evaluations of Population and Housing Censuses: Post Enumeration Survey**

376

United States Bureau of the Census

Washington, D.C., USA

Begins 08/19/91 Thomas C. Walsh, Chief
Deadline 06/30/91 International Statistical Programs Center
Duration 2 Weeks
Language E Washington, D.C. 20233, USA
Fees 1,950 US\$; exclusive of international travel and subsistence

Phone
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

Through lectures, discussions, and practical exercises, this workshop deals with errors of coverage. Emphasis is on alternative ways to measure coverage error which has occurred. Three techniques are discussed--a post enumeration survey (PES), and intercensal longitudinal survey, and multiplicity or network sampling techniques.

Keywords EVALUATION, SURVEY**Applied Hydrogenation Technology**

377

The Center for Professional Advancement

East Brunswick, New Jersey, USA

Begins 08/19/91 Registrar
Deadline 06/19/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 950 US\$, exclusive of room and board

Phone 908-613-4535
Fax 908-238-9113
Telex 139303 (CENPRO EBRW)

This course is intended to provide participants with a practical understanding of hydrogenation. The role of catalysts will be covered, including specific industrial catalysts and the reactions and processes where used. Emphasis will be placed on the design and layout of the hydrogenation laboratory, pilot plant and plant. The design of batch and continuous reactors, hydrogen handling, and overall operation safety will also be discussed.

Keywords HYDROLOGY, DESIGN**Soil and Water Conservation and Management**

378

Utah State University

Utah, Colorado, Kansas, Iowa, Texas, Nebraska, USA

Begins 08/18/91 International Irrigation Center
Deadline 07/18/91
Duration 5 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 3,375 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Designed for field engineers, managers and technical staff in agricultural, natural resources and supporting social science disciplines. Emphasis is on applied field practices that protect the soil from wind and water erosion, and managing and conserving natural soil moisture to improve dryland production. Supplemental irrigation in rainfed agriculture is also covered. Additional course offered 08/16/92 for 3,450 US\$, also available upon request.

Keywords CONSERVATION, SOIL

2nd Conference on Agroforestry in North America

379

United States Department of Agriculture

Univ. of Missouri/Columbia, USA

Begins 08/18/91 Joseph Hoffman or Richard Affleck
Deadline 07/15/91 USDA/OICD/ITD
Duration 1 Week United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees not available

Phone
Fax
Telex

Agroforestry has the potential to: (1) minimize costs of conservation measures; (2) reduce soil erosion; (3) improve wildlife habitat; (4) improve water quality; (5) build resource base for value added businesses; (6) provide above average internal rate of return for landowners who practice it. Paper categories: biology; economics; soil conservation; water quality; wildlife habitat; policy. Field trip to largest eastern black walnut plantation in the world to witness alley cropping.

Keywords AGROFORESTRY, WILDLIFE, CONSERVATION, SOIL

Marine Fish Culture

380

Bermuda Biological Station for Research, Inc.

Bermuda, North America

Begins 08/15/91 Educational Director
Deadline 03/01/91
Duration 9 Days
Language E Ferry Reach GE 01, Bermuda
Fees 1,000 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

Currently theory and techniques for spawning and rearing marine fish, for production or experimentation, emphasizing reproduction, rearing environments and nutrition. Includes lab work and field trips.

Keywords MARINE, FISH

Computer Simulation of Crop Growth and Management Responses

381

University of Florida

Gainesville, Florida, USA

Begins 08/13/91 IFAS Training Division
Deadline 07/15/90 University of Florida
Duration 2 Weeks 1001 McCarty Hall
Language E Gainesville, FL 32611, USA
Fees 1,400 US\$; inclusive of field trips and software, not room and board

Phone 904-392-3166
Fax 904-392-3165
Telex 568757

Learn how comprehensive simulation models of crop growth, soil, water and nutrient dynamics are developed and how they can be applied to real world problems. Description of concepts used in cereal and grain legume models; application of simulation models to crop management problems and climate change effects; training data for use in crop simulation studies; concepts for integrating crop models with expert systems, geographical information systems and data base management systems.

Keywords COMPUTER, PLANT SCIENCE

Plant Quarantine (130-5)

382

United States Department of Agriculture

Frederick, Maryland, USA

Begins 08/12/91 Veronica Priddy
Deadline 06/12/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,307 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Includes identification and examination of the different components of a plant protection and quarantine system. It can be extended one week for special assignments to include field or port work, the development of job performance aides or consultations with staff officials. Topics include: model review of participants' plant quarantine system; opportunity for and barriers to change; action plan development for improvements of quarantine procedures in participants' countries.

Keywords DISEASE, PEST, PLANT SCIENCE

Environmental Planning and Management

383

California State Polytechnic University

Pomona, California and Field Sites, USA

Begins 08/12/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 06/12/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

International participants will develop skills in assessing environmental problems and impacts of programs. They will learn to apply creative processes and to generate ideas for possible solutions to land use issues.

Keywords ENVIRONMENT, LAND USE, PLANNING, POLICY, NATURAL RESOURCES

Design of Detention Reservoirs and Small Dams (IICE #9002)

384

Colorado State University

Fort Collins, Colorado, USA

Begins 08/12/91 International Institute for Civil Engineering
Deadline 03/01/91 IICE
Duration 3 Weeks
Language E Fort Collins, CO 80523, USA
Fees 2,175 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Focus on hydraulic, hydrologic and geotechnical aspects of reservoir and dam design. Material applicable to concrete gravity dams and embankment. Advanced treatment given to topics of flood routing, seepage and stability. Designed for policy/decision maker as well as design professional. Undergraduate background in engineering helpful but design experience not required. Lectures on theoretical aspects; workshops/design lab-practical bands on. Computer design using computers will be taught.
Keywords HYDROLOGY, WATER, COMPUTER

Automatic Operation of Irrigation Canals

385

University of Wyoming

Laramie or In-country, USA/IC

Begins 08/12/91 J. Mohan Reddy
Deadline 00/00/00 Department of Agricultural Engineering
Duration 3 Weeks University of Wyoming
Language E Laramie, WY 32071, USA
Fees 3,500 US\$; including field trip

Phone 307-766-4882
Fax 307-766-4444
Telex

Need for canal automation; control and operational concepts and methods; upstream and downstream control; local vs. centralized control; control based upon constant-level, constant volume and controlled-volume; the advantages and disadvantages of different control methods; discussion of different types of sensors, hydro- and electro-mechanical gates, data communication equipment and control equipment. Field visits to Salt River Project, Central Arizona Project and Coachella Valley.
Keywords IRRIGATION, ENGINEERING

Use of Economic Data in Collective Bargaining

386

United States Department of Labor

Washington, D.C., USA

Begins 08/12/91 John T. McCracken, Director
Deadline 07/01/91 United States Department of Labor, Room S-1310
Duration 3 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 1,585 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex 7108229531

Uses of economic data in collective bargaining, including descriptions of collective bargaining in the United States, sources and availability of statistics in the economic field and discussions of price, wage, and employment data applicable to collective bargaining. Emphasis is on interpretation of economic data and its reordering into the most useful form for attaining specific goals. Observational visits, practical workshops and group discussions. Additional course in Spanish on 09/09/91 for 1,585 US\$.
Keywords DATA, STATISTICS, ECONOMICS, LABOR

Advanced Management Program for Asia-Pacific Managers (MI 15)

387

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 08/12/91 The Director, Continuing Education Center
Deadline 07/01/91 GPO Box 2754
Duration 2 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,500 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objective: improves skills in developing organizational strategic plans, and in financial management and marketing and human resource management. Personnel and human resource management; organization and job design; recruitment/placement; motivation and work attitude; supervision and leadership; compensation and evaluation; unions and industrial relations; financial accounting; profit/production planning; cost analysis; corporate finance; capital investment decisions; performance evaluation of profit centers and managers; strategic thinking, tools and principles; marketing strategies.
Keywords HUMAN RESOURCES, PERSONNEL, MANAGEMENT

PC ARC/INFO - Introduction (a Course Certified by ESRI)

388

South Dakota State University

Brookings, South Dakota, USA

Begins 08/12/91 Kevin Dalsted
Deadline 07/01/91 Office of Remote Sensing/SDSU
Duration 3 Days P.O. Box 2220, Harding Hall
Language E Brookings, SD 57007-2220, USA
Fees 800 US\$

Phone 605-688-4184
Fax 605-688-5878
Telex

An ESRI-certified course for beginning users of PC ARC/INFO, a leading, full-featured GIS software package.
Keywords GEOGRAPHY, COMPUTER, DATA

Wind and Solar Powered Water Pumping

389

Colorado State University

Fort Collins, Colorado , USA

Begins 08/12/91 International Institute for Civil Engineering
Deadline 06/01/91 IICE
Duration 2 Weeks
Language E Fort Collins, CO 80523 , USA
Fees 2,175 US\$; excluding room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

This course is structured to serve energy and water supply professionals, engineers and managers interested in incorporating energy-conservative wind or solar energy sources into their water supply systems. Alternative sources of energy may be used to pump water or brine for irrigation, desalination or animal and domestic water consumption. Engineers responsible for component selection, installation and maintenance will find the study materials useful.

Keywords WATER, ENGINEERING**Project Management and Evaluation**

390

Management Training and Development Institute

Washington, D.C. , USA

Begins 08/11/91 Dr. Robert C. Morris
Deadline 07/11/91 P.O. Box 23975
Duration 2 Weeks
Language E Washington, DC 20026 , USA
Fees 1,250 US\$; exclusive of room and board

Phone 202-646-7910
Fax 202-646-7911
Telex

Seminar for professionals responsible for formulating, managing and evaluating development projects or for preparing and negotiating development proposals. Provides pragmatic techniques for planning, designing, implementing and analyzing projects. Topics include: project management; time-line problem-solving; use of past, present and future information; establishing viable monitoring, analysis and evaluation schemes; establishing baselines or benchmarks; design objectives. Additional course offered 12/26/91 in Orlando, Florida.

Keywords EVALUATION, MANAGEMENT, PROJECT**Training of Trainers and the Management of Training**

391

Management Training and Development Institute

Washington, D.C. , USA

Begins 08/11/91 Dr. Robert C. Morris
Deadline 07/11/91 P.O. Box 23975
Duration 2 Weeks
Language E Washington, DC 20026 , USA
Fees 1,340 US\$; exclusive of food and lodging

Phone 202-646-7910
Fax 202-646-7911
Telex

Designed to provide learning about different training approaches, and the planning and management of workshops, seminars and conferences. Participants who are or will be responsible for the management of training programs will be introduced to current adult learning theories, techniques and practices.

Keywords EXTENSION, TRAINING**Eighth Annual Institute on Livestock in Development**

392

Heifer Project International

New Windsor Service Center/New Windsor, Maryland , USA

Begins 08/11/91 Mr. Dan Gudahl
Deadline 06/30/91 Training and Administration Association
Duration 1 Week P.O. Box 808, 1015 South Louisiana
Language E Little Rock, Arkansas 72202 , USA
Fees 350 US\$; food and lodging

Phone 501-376-6836
Fax
Telex 4949415 HEIFER

The program highlights skill and knowledge development in the field of smallscale animal agriculture and holistic, regenerative development. The institute provides participants with a variety of livestock related topics and encourages participant interaction and sharing of experiences. There is a focus on low input systems in developing countries, community development, group organizing, communication, women in livestock development and education skills.

Keywords LIVESTOCK, DEVELOPMENT**Conference of Wildlife Disease Association**

393

Colorado State University - Conference Services

Fort Collins, Colorado , USA

Begins 08/11/91
Deadline 06/11/91 Office of Conference Services
Duration 1 Week Colorado State University
Language E Ft. Collins, CO 80523 , USA
Fees not available

Phone 303-491-5020
Fax 303-491-5091
Telex

Conference includes: 1) Training workshop on Lyme Disease; 2) Training workshop for graduate students; 3) Lyme disease symposium; 4) Student papers; 5) poster session. Course offered annually.

Keywords WILDLIFE, DISEASE

Re-Entry and Professional Reintegration

394

Management Training and Development Institute

Washington, D.C., USA

Begins 08/09/91 Dr. Robert C. Morris
Deadline 07/09/91 P.O. Box 23975
Duration 2 Days
Language E Washington, DC 20026, USA
Fees 250 US\$, exclusive of room and board

Phone 202-646-7910
Fax 202-646-7911
Telex

Key topics include: dealing with psychological stress that usually accompanies reestablishing personal and professional relationships after period abroad; application of new skills, ideas and attitudes back home; patience, art of studying current environment and power of listening; generating interest in, and enthusiasm for, new methods and techniques; influencing by empowering others; successful and not-so-successful re-entry approaches; re-entry preparation as task for entire time abroad. Additional course offered 01/06/92 in Orlando, Florida.

Keywords HUMAN RESOURCES, LEADERSHIP**Epidemiologic & Econ. Invest. in Planning for Animal Health Prog-9.15/91 TK75-241-97**

395

German Foundation for International Development

Feldafing GDR, Europe

Begins 08/08/91 Deutsche Stiftung fur Internationale Entwicklung
Deadline 04/08/91 Zentralstelle fur Ernährung und Landwirtschaft
Duration 4 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR, Europe
Fees 9145 Deutsche Marks

Phone 08157-383219
Fax
Telex

9.15/91. Focus will be on: presentation/demonstration of programs for collecting veterinary data; characterization of livestock production systems; calculation of dynamic herd models; introduction to cost-benefit analysis; basic principles of data processing; demonstration of processing equipment; practical exercises with computers; model calculations; use of data processing for planning animal health programs; group work on basis of case studies; demonstration of animal health programs during study tours.

Keywords VETERINARY, DATA**Irrigation System Management - Seminar Program and Study Tour (ST 02)**

396

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 08/07/91 The Director, Continuing Education Center
Deadline 06/15/91 GPO Box 2754
Duration 2 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 1,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Strategic approaches used by the Thai government in developing and managing their irrigation projects. Visit and observe various types of irrigation structures. Meet the project officials to discuss and share experiences in operation and maintenance of the projects. Meet the farm leaders to discuss their roles in operation and maintenance of irrigation systems. Designed for senior irrigation officials like directors, division heads and project managers.

Keywords IRRIGATION, WATER**Rural Development Courses**

397

Ian Macdonald and Associates Ltd. - Brighton Polytechnic

East Sussex, England, Europe

Begins 08/07/91 The Courses Administrator
Deadline 06/07/91 36 Robertson Road
Duration 21 Weeks
Language E Brighton, Sussex BN1 6NL, England, Europe
Fees 5,900 - 6,500 British pounds

Phone 0273-559000
Fax 0273-500045
Telex

Several courses are offered simultaneously. Titles include: Management and Extension; Training of Farmers; Management Course for Women; Media Producers Course; Training in Broadcast News; such as agricultural news. Courses are for managers and staff responsible for planning and implementing programs.

Keywords RURAL, MANAGEMENT, EXTENSION, TRAINING, WOMEN**Microcomputer Applications in Resource and Pest Management**

398

Washington State University

Pullman, Washington, USA

Begins 08/06/91 Alan A. Berryman
Deadline 07/07/91 Department of Natural Resource Sciences
Duration 3 Days Washington State University
Language E Pullman, WA 99164-6410, USA
Fees 975 US\$; includes instruction and software but not room and board

Phone 509-335-3711
Fax 509-335-1009
Telex

Also on request. Will provide forest pest management specialists with experience in computers to analyze and interpret data from regular pest surveys, and in building simple models used to forecast pest population trends and evaluate management alternatives. Students will learn basic principles of pest dynamics, modeling, forecasting and management, computer programs to analyze data, build predictive models and use models for forecasting and management planning.

Keywords PEST, FORESTRY, COMPUTER, NATURAL RESOURCES

Senior Managers Program

Mananga Agricultural Management Centre

Mhlume, Swaziland , Africa

Begins 08/05/91 The Managing Director
Deadline 06/10/91 P. O. Box 20
Duration 4 Weeks
Language E Mhlume, Swaziland , Africa
Fees 3,700 british pounds; includes accommodations and full board

Phone 31133 or 31334
Fax 31135
Telex 2320 WD Swaziland

Course designed for general managers and senior executives working with agricultural organizations in developing countries and with a number of years in a senior management position. Objectives: include increasing awareness; developing analytical skills; how to effectively get things done; role of attitude and tradition; identification and development of practical solutions. Topic areas include: strategic planning; issues in economic development; monitoring and control.
Keywords DEVELOPMENT, MANAGEMENT, LEADERSHIP

399

Training of Trainers for Agriculture and Rural Development (110-15)

United States Department of Agriculture

Washington, D.C. , USA

Begins 08/05/91 Veronica Priddy
Deadline 06/05/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,206 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

To develop skills and knowledge to: learn and use basic principles of adult education; develop skills in preparing and carrying out training sessions; practice using training methodologies such as lecturette, role plays, case study and demonstrations; improve communications skills for training; identify and develop key training management skills; adapt training methods and ideas for use in home-country situations. Advanced course offered 09/24/91 for 2,770 US\$.
Keywords EXTENSION, RURAL, TRAINING

400

Postharvest Loss Reduction of Perishable Crops(150-7)

Cornell University

Ithaca, New York , USA

Begins 08/05/91 Short Course Coordinator, International Training D
Deadline 06/20/91 Department of Communication
Duration 5 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853 , USA
Fees 3,982 US\$; extra 2,900 US\$ for room and board

Phone 607-255-3035
Fax 607-255 1005
Telex 559020 INTAG CORNELL

Examines the causes and extent of postharvest food losses and determines where they occur in the marketing channels. Identifies appropriate techniques to reduce food losses and increase the available food supply in developing countries.
Keywords DISEASE, FOOD SCIENCE, POSTHARVEST, PLANT SCIENCE

401

Fertilizer Marketing Management Training Program

International Fertilizer Development Center

Alabama, Indiana and Florida , USA

Begins 08/05/91 Ram S. Giroti, Training Administrator
Deadline 07/08/91 International Fertilizer Development Center
Duration 5 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662 , USA
Fees 2,250 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 8107313970 IFDEC MCHL

Topics: evolution of fertilizer industry; world fertilizer situation; production; international trade; fertilizer supply economics; marketing function and its elements; marketing planning; role of management; dealer functions; farmer needs identification and fertilizer promotion programs; factors influencing marketing decisions, including agronomics and economics of fertilizer use and government policy; price factors; modern management concepts; introduction to microcomputers for management's use in information development and decision making. Additional course offered 08/03/92.
Keywords FERTILIZER, MANAGEMENT, MARKETING

402

Training and Consultation Skills for International Human Resource Development

National Training Laboratory

Bethel, Maine , USA

Begins 08/05/91 Rut Lili'una Abrashkin or Kelley L. Price
Deadline 07/05/91 NTL Institute
Duration 2 Weeks 1240 North Pitt Street, Suite 100
Language E Alexandria, VA 22314-1403 , USA
Fees 1,475 US\$; exclusive of room and board

Phone 800-777-LABS
Fax
Telex

To develop: understanding of philosophy of adult learning theory; skills in designing training programs; strengths in individual training style; understanding of group theory and its importance to trainers/consultants; interpersonal leadership skills in communication and listening; skills in team work; understanding organizational development strategies and processes; specific strategies for consulting to your own organization; building support for change.
Keywords DEVELOPMENT, TRAINING, HUMAN RESOURCES

403

Production/Maintenance of Virus-Free Propagation Material of Temperate Fruit 404
 University of California Davis, California , USA

Begins	08/05/91	Intl. Training and Education Center	Phone	916-757-8686
Deadline	06/05/91	University Extension	Fax	916-757-8676
Duration	4 Weeks	University of California	Telex	405838
Language	E	Lavis, CA 95616-8727 , USA		
Fees	1,256 US\$; excluding room and board			

Virus and virus-like diseases of temperate fruit crops; techniques for detection, diagnosis and elimination; means for maintaining "healthy" plant material for long-term preservation or immediate multiplication and usage. Proper management of greenhouses and field nursery plots and indexing techniques; chemo- and thermotherapy; shoot tip grafting and meristem culture; invitro culture; cryopreservation; plant identification by isozyme and descriptors; field visits, lectures and lab.
Keywords DISEASE, PLANT PROTECTION, FRUIT

Management Information Systems (MIS) Certificate Program 405
 Graduate School, USDA Washington, D.C. , USA

Begins	08/05/91	Dr. Robert Mashburn, Director	Phone	202-447-7476
Deadline	07/05/91	International Education and Training	Fax	202-382-8403
Duration	16 Weeks	600 Maryland Avenue S.W., Room 140	Telex	756563 GS INTL WSH
Language	E	Washington, D.C. 20024 , USA		
Fees	11,750 US\$			

Objectives: establish nucleus of strategic planning process; understand relationships between technology and organization management; identify key management development criteria; develop "hands-on" experience in use of microtechnology software packages; understand and appreciate "automated office" concept; identify MIS criteria and staffing needs; develop technical awareness of skills needed to analyze, design and modify MIS and databases. Additional course offered 01/20/92.
Keywords MANAGEMENT, COMPUTER

Integrated Pest Management: Principles/Practices for Extensionists and Farm Managers 406
 University of California Davis, California , USA

Begins	08/05/91	International Training and Education Center	Phone	916-757-8686
Deadline	06/01/91	University Extension	Fax	916-757-8676
Duration	4 Weeks	University of California	Telex	405838
Language	E	Davis, CA 95616-8727 , USA		
Fees	2,690 US\$; inclusive of room and board			

Introduction to: Integrated Pest Management (IPM); ecological basis of IPM; economic basis of IPM; biocontrol and introduction to microbial control agents; identifying predators and parasitoids; rearing beneficial insects; arthropod management; sampling and monitoring arthropod populations; designing a sampling program; weed control; identification and management of plant pathogens; to plant pathogenic nematodes; safe and effective use of pesticides; extending IPM to farmers; sociocultural considerations.
Keywords PEST, EXTENSION

Women and Work: What Difference Does Gender Make? 407
 Massachusetts Institute of Technology Cambridge, Massachusetts , USA

Begins	08/05/91	Summer Session Office, Room E19-356	Phone	617-253-2101
Deadline	07/01/91	Massachusetts Institute of Technology	Fax	617-253-8042
Duration	1 Week	50 Ames Street	Telex	921473 MIT CAM
Language	E	Cambridge, MA 02139 , USA		
Fees	950 US\$; exclusive of room and board			

To examine issues of special concern and interest to women affecting their personal and professional lives. These issues are illuminated by findings of psychologists, sociologists and literary critics. Issues such as tradition, socialization, expectations, ethical and emotional dimensions will be explored in light of new research on gender which examines differences between man and women and changing sex roles.
Keywords GENDER, WOMEN

Management Analysis 408
 Graduate School, USDA Washington, D.C. , USA

Begins	08/05/91	Dr. Robert Mashburn, Director	Phone	202-447-7476
Deadline	07/05/91	International Education and Training	Fax	202-382-8403
Duration	9 Weeks	600 Maryland Avenue S.W., Room 140	Telex	756563 GS INTL WSH
Language	E	Washington, D.C. 20024 , USA		
Fees	5,950 US\$; exclusive of room and board			

Prepares managers for active roles as analysts and/or increases skill in organizational analyses. Topics include: systems analyses; report writing; conducting meetings; position description; records management; forms design and analyses; making presentations; task analyses; conducting interviews; organizational change; motivation, feedback and communication. Visit organizations and examine different systems and practices. Designed for middle-level managers.
Keywords HUMAN RESOURCES, PERSONNEL, MANAGEMENT

Study Tour of Irrigation Main Systems in the Western United States (CIIM No. 04)

409

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 08/05/91 Colorado Institute for Irrigation Management
Deadline 06/01/91 410 University Services
Duration 3 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 2,500 US\$; tuition, materials, books and field trips

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Participants will visit and observe: irrigation main systems; operation of large governmental irrigation; multipurpose water projects; water conservation projects; Grand Coulee Dam in Washington; California Central Valley Project; other large main irrigation systems.

Keywords TOUR, IRRIGATION**East Central United States Project Tour**

410

Heifer Project International

New Windsor Service Center/New Windsor, Maryland, USA

Begins 08/05/91 Mr. Dan Gudahl
Deadline 06/30/91 Training and Administration Association
Duration 1 Week P.O. Box 808, 1015 South Louisiana
Language E Little Rock, Arkansas 72202, USA
Fees 360 US\$; includes lodging and transportation during trip

Phone 501-376-6836
Fax
Telex 4949415 HEIFER

HPI will sponsor a tour of projects in the Appalachian area of the United States. Participants will have a firsthand opportunity to see how HPI projects work and be able to talk with project holders about their involvement with HPI. There is a limit of 8-10 people for this trip. The tour will start and end at the New Windsor Service Center in New Windsor, MD.

Keywords PROJECT, SUSTAINABLE**Statistics and Micro-Computers**

411

California State Polytechnic University

Pomona, California, USA

Begins 08/05/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 06/05/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language A Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

This workshop aims to provide participants with strong basic skills in statistics and data processing, a knowledge of various computer applications and an ability to use these capabilities in the context of Arabic-speaking nations.

Keywords STATISTICS, COMPUTER**Non-Formal Education, Literacy and Communication**

412

California State Polytechnic University

Pomona, California, USA

Begins 08/05/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 06/05/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board 1,188 US\$ extra

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

Participants will gain knowledge, as trainers of trainers, appropriate to the development of basic literacy and management skills in rural populations. Additional course offered in French on 07/29/91.

Keywords COMMUNICATION, TRAINING**Postharvest Loss of Reduction of Perishable Crops**

413

United States Department of Agriculture

Cornell University/Ithaca, New York, USA

Begins 08/05/91 Veronica Priddy
Deadline 06/05/91 USDA/OICD/TTD
Duration 5 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,637 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Participants present situations from their countries, discuss them with colleagues and focus on improvements for home country systems. Participants should bring information regarding postharvest loss from their country for use in class. Topics: 1) chemistry and biochemistry of food deterioration; 2) postharvest physiology of fruits, vegetables, root and tuber crops; 3) biology and control of postharvest diseases in stored perishables; 4) processing, packaging and marketing.

Keywords POSTHARVEST, PERISHABLE, STORAGE

Integrated Pest Management: Research Issues and Applications of IPM

414

University of California

Davis, Central Valley and Coastal Areas,
USA

Begins 08/05/91 International Training & Education Center
Deadline 07/22/91 University Extension
Duration 4 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees 1,900 US\$; room and board 980 US\$

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

The course is organized around lectures, discussions and field trips. Stress will be on the analysis of pest problems and the design of research and extension programs to solve them.

Keywords PEST, RESEARCH**Conducting an Economic Census: a Case Study**

415

United States Bureau of the Census

Washington, D.C., USA

Begins 08/05/91 Thomas C. Walsh, Chief
Deadline 06/15/91 International Statistical Programs Center
Duration 3 Weeks
Language E Washington, D.C. 20233, USA
Fees 2,800 US\$; exclusive of international travel and subsistence

Phone
Fax 301-763-7589
Telex 9102509167(ISPCENSUSWSH)

The workshop will be a combination of lectures, group discussions, and practical exercises. Laboratory sessions which are designed to give participants "hands-on" experience will be an integral part of the workshop.

Keywords ECONOMICS, SURVEY, STATISTICS, COMPUTER**Microcomputers for Demographic Analysis**

416

United States Bureau of the Census

Washington, D.C., USA

Begins 08/05/91 Thomas C. Walsh, Chief
Deadline 06/15/91 International Statistical Programs Center
Duration 3 Weeks
Language E Washington, D.C. 20233, USA
Fees 2,800 US\$; exclusive of international travel and subsistence

Phone
Fax 301-763-7589
Telex 9102509167(ISPCENSUSWSH)

This workshop will demonstrate how various techniques of demographic analysis can be performed using microcomputers. Emphasis will be placed on methods of indirect estimation, population projections, life tables, and evaluation and smoothing procedures. The census bureau package, demographic analysis spreadsheets, which uses the spreadsheet software lotus 1-2-3 will be emphasized.

Keywords COMPUTER, ANALYSIS**International Agricultural Extension: Principles, Practices and Comparisons**

417

Kansas State University

Manhattan, Kansas, USA

Begins 08/05/91 Registration Office
Deadline 07/19/91 Division of Continuing Education
Duration 2 Weeks 131 College Court Building, Kansas State University
Language E Manhattan, KS 66506, USA
Fees 274 US\$; graduate credit/190 US\$ undergraduate credit

Phone 913-532-5566
Fax 913-532-5637
Telex

The course is an in-depth study of characteristics of learners, principles used to guide adult learners and the selection of those extension methods best suited to a particular teaching-learning situation/environment. Special consideration will be given to program evaluation and personnel assessment.

Keywords AGRICULTURE, EXTENSION**Weed Management**

418

The University of the West Indies

St. Augustine, Trinidad, North America

Begins 08/05/91 The Programme Coordinator
Deadline 06/05/91 Tropical Agricultural Technology Training Unit
Duration 1 Week Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 500 US\$; extra 280 US\$ room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: 1) Non-Chemical Control - biological, cultural and mechanical; 2) Chemical Control - herbicide classification and formulations, calibration of application equipment, herbicide safety and growth regulators; 3) Conservation Farming - non-agricultural weed control and aquatic weed control; 4) Integrated Weed Management; 5) Weed Control in Selected Crops.

Keywords PLANT PROTECTION

Executive Program

Stanford University

Nat'l University of Singapore , Asia

419

Begins 08/04/91 Ms. Alice Sheehan
Deadline 06/01/91 Office of Executive Education
Duration 3 Weeks Graduate School of Business, Stanford University
Language E Stanford, CA 94305-5015 , USA
Fees 6,000 US\$; excluding room and some meals

Phone 415-723-9120
Fax
Telex 348402 STANFORD STNU

Designed to increase general management skills of senior executives and allow them to work more effectively in increasingly complex, international environment. Expects to: broaden perspective; improve analytical and behavioral skills; enhance organization effectiveness; improve basic understanding of accounting, economics, finance and marketing; integration of basic functions for management and planning in competitive environment.

Keywords MANAGEMENT, HUMAN RESOURCES, LEADERSHIP

Vertebrate Pest Problems and Solutions in Developing Countries

Colorado State University - Conference Services

Fort Collins, Colorado , USA

420

Begins 08/04/91 Vertebrate Pest Management Short Course
Deadline 07/01/91 Office of Conference Services
Duration 3 Weeks Colorado State University
Language E Ft. Collins, CO 80523 , USA
Fees 1,850 US\$; including lodging and meals

Phone
Fax
Telex

Vertebrate pest problems include pre- and post-harvest food losses, structural damage and disease transmission. Vertebrate pest management is the attempt to reduce these problems by altering pest populations, their behavior or habitat.

Keywords PEST, DISEASE, POSTHARVEST

International Course on Food Processing

International Agricultural Centre

Wageningen, Netherlands , Europe

421

Begins 08/04/91
Deadline 06/04/91 P.O. Box 88
Duration 14 Weeks
Language E 6700 AB Wageningen , Netherlands
Fees not available

Phone
Fax
Telex

The course is intended for professionals from business advisory, training and support institutions and from technical and technological services for small and medium scale food processing enterprises. Candidates should have an academic degree (BSc or BA) and three years experience in the relevant field.

Keywords FOOD PRODUCTION

Sustainable Development for the Third World

Aprovecho Institute

Cottage Grove, Oregon , USA

422

Begins 08/00/91 Course Coordinator
Deadline 00/00/00 Aprovecho Institute
Duration 2 Weeks 80574 Hazelton Road
Language E/S Cottage Grove, OR 97424 , USA
Fees 750 US\$; tuition, meals, accommodations, materials and field trips

Phone 503-942-9434
Fax
Telex

Examine and share ideas on sustainability and the latest experiments; define issues, assess solutions, and try out practical techniques. Main topics: techniques in sustainable development for 3rd World conditions; cultural anthropology; regenerative agriculture; agroforestry; soil fertility; biological pest control; water conservation; appropriate technology; local economics; and food. Workshops may include: natural landscape, forest management, simple construction, weeds, pest control, organic food production and soil care.

Keywords SUSTAINABLE, DEVELOPMENT

Biological Oceanography

Bermuda Biological Station for Research, Inc.

Bermuda , North America

423

Begins 07/30/91 Educational Director
Deadline 03/01/91
Duration 3 Weeks
Language E Ferry Reach GE 01 , Bermuda
Fees 1,475 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

A graduate and advanced undergraduate course on the biology of the open ocean. Topics include: primary production; nutrient cycling and limitation; phytoplankton and zooplankton biology; food web dynamics and particle export. Emphasis on marine snow: how it is formed; the microbial processes that occur within aggregate particles; the implications for nutrient cycling and particle export. Lectures, labs, individual projects and an overnight oceanographic cruise.

Keywords MARINE

Integrated Pest Management: Focus on Research Methodologies

424

University of California

Davis, California , USA

Begins 07/29/91 International Training and Education Center
Deadline 06/25/91 University Extension
Duration 4 Weeks University of California
Language E Davis, CA 95616-8727 , USA
Fees 1,620 US\$; exclusive of room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Prerequisite: M.Sc. (or equivalent) or active involvement in IPM. Objective: to provide students with the theoretical and practical skills necessary to conduct applied research in IPM and to enable them to design and implement research which will promote the development of IPM programs. Course contents: conducting on-farm research; analysis and use of data; research tools and resources; field observations. 60% lecture and 40% laboratory and field.

Keywords PEST, PLANT PROTECTION, RESEARCH

International Management Development Certificate Program

425

Graduate School, USDA

Washington, D.C. , USA

Begins 07/29/91 Dr. Robert Mashburn, Director
Deadline 06/29/91 International Education and Training
Duration 21 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 12,500 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Management development, financial management, human resource management, computer workshop, management information systems, applied management seminar, private sector development, international finance and special tours. Designed for middle and senior level managers. Additional course offered 01/13/92.

Keywords MANAGEMENT, INFORMATION

Management Development for Spanish and French Speakers

426

Graduate School, USDA

Washington, D.C. , USA

Begins 07/29/91 Dr. Robert Mashburn, Director
Deadline 06/29/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language S/F Washington, D.C. 20024 , USA
Fees 2,950 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Designed for French/Spanish-speaking managers of private and public sector organizations. Objectives include: understanding the nature of leadership and management development; individuals as basic element in the achievement of objectives; knowledge of approaches, skills and philosophies useful in working with others. Topics include: nature of management process; basic supervisory skills; communication; decision making; planning; delegation; leadership; financial management; personnel administration; computer applications. Additional course offered 07/27/92.

Keywords PERSONNEL, MANAGEMENT, LEADERSHIP

GIS Applications of the 1990 Census Data for Redistricting and Demographic Analyses

427

South Dakota State University

Brookings, South Dakota , USA

Begins 07/29/91 Kevin Dalsted
Deadline 07/22/91 Office of Remote Sensing/SDSU
Duration 5 Days P.O. Box 2220, Harding Hall
Language E Brookings, SD 57007-2220 , USA
Fees 520 US\$

Phone 605-688-4184
Fax 605-688-5878
Telex

A "hands-on" course emphasizing demographic and redistricting analysis based on TIGER digital maps coupled with the 1990 Census Databases.

Keywords COMPUTER, GEOGRAPHY, DATA

Design of Buildings and Structures for Mitigation of Wind Damage

428

Colorado State University

Fort Collins, Colorado , USA

Begins 07/29/91 International Institute for Civil Engineering
Deadline 06/01/91 IIICE
Duration 2 Weeks
Language E Fort Collins, CO 80523 , USA
Fees 2,175 US\$; excluding room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

This course addresses: interpretation and limitations of codes and standards; techniques for acquisition of wind-tunnel tests; use of wind-tunnel data for design; description of wind characteristics; extreme value analysis of wind data; risk analysis; evaluation of economic and social impact of hazardous winds; wind loads on low-rise buildings and windbreak fences; wind loads on and dynamic excitation of high-rise buildings; long-span bridges; pipeline bridges; transmission lines; antennas; towers; chimneys; photo-voltaic panels and design features to increase wind resistance of low-rise buildings are considered.

Keywords DESIGN, ENGINEERING

Risk Assessment Techniques for Resource Management and Disaster Reduction

429

Colorado State University

Fort Collins, Colorado, USA

Begins 07/29/91 International Institute for Civil Engineering
Deadline 06/01/91 IIICE
Duration 2 Weeks
Language E Fort Collins, CO 80523, USA
Fees 2,175 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Designed for management and engineering professionals from government and the private sector who are interested in, or responsible for, assessment, forecasting, management of natural resources and other resource development projects.
Keywords ASSESSMENT, NATURAL RESOURCES

Financial Management Certificate Program

430

Graduate School, USDA

Washington, D.C., USA

Begins 07/29/91 Dr. Robert Mashburn, Director
Deadline 05/29/91 International Education and Training
Duration 13 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 12,500 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756663 GS INTL WSH

This program is designed to enable middle level public sector managers and private sector entrepreneurs to use modern techniques of financial analysis in making business decisions. Participants acquire skills in accounting, computers and finance and apply these skills to critical current issues such as: cost recovery; project and business valuation; risk; uncertainty and inflation; assessment of investment decisions. Additional courses offered 01/13/92.
Keywords FINANCE, MANAGEMENT

Rural Development and Resources

431

California State Polytechnic University

Pomona, California, USA

Begins 07/29/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 06/12/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

International participants will develop a broad perspective on problems and prospects of rural development programs and specific skills in improving production and managing projects and resources. Additional course offered in Arabic on 08/12/91.
Keywords RURAL

Management of Contaminated Groundwater and Aquifer Restoration

432

The Center for Professional Advancement

East Brunswick, New Jersey, USA

Begins 07/29/91 The Registrar
Deadline 05/29/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 940 US\$; exclusive of room and board

Phone 908-613-4535
Fax 908-238-9113
Telex 139303 (CENPRO EBRW)

This course is intended to provide participants with an understanding of the principles governing contaminant movement in groundwater systems and the strategies and techniques for investigating and cleaning up contaminated aquifers. The emphasis of the course will be on practical approaches and limitations to aquifer restoration. The program will begin with a discussion of contaminant migration in the subsurface, with emphasis on organic contaminants and non-aqueous phase liquids in particular. The course will review surface and borehole geophysical methods and emerging techniques such as the use of environmental isotopes.
Keywords WATER MANAGEMENT

Management of Wildlands and Protected Areas

433

Colorado State University-ISFNR

Fort Collins and Field Trip, USA

Begins 07/26/91 Drs. George Wallace and Craig McFarland
Deadline 06/26/91 102 Natural Resources, Coll. of For. & Nat. Res.
Duration 4 Weeks Colorado State University
Language E/S Fort Collins, Colorado, USA
Fees 3,000 US\$; includes room and board

Phone
Fax
Telex

For those interested in improving the management of parks, nature reserves, protected watersheds, wildlife refuges and other wildlands. Emphasis will be on minimizing the impacts on soil, vegetation, water quality and wildlife while still allowing access to and use of wildland areas. Course is mindful of need to stabilize and win support of local people. It also recognizes importance of building constituencies supportive of funding and management necessary to insure a balance of protection and use.
Keywords LAND USE, ENVIRONMENT

Tropical Ecology: The Dynamics of Deforestation (Introduction)

434

The School for Field Studies

San Jose, Costa Rica , South America

Begins 07/24/91 Admissions Office
Deadline 00/00/00 16 Broadway
Duration 30 Days
Language E Beverly, MA 01915 , USA
Fees 2,230 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

To determine the reproductive success and pollination rate of key plant species in deforested areas of varying size; to assess how rate of regeneration affects the genetic diversity of disturbed species in a tropical rain forest.

Keywords TROPICAL, ECOLOGY, FORESTRY**Batch Processing Engineering**

435

The Center for Professional Advancement

East Brunswick, New Jersey , USA

Begins 07/23/91 The Registrar
Deadline 05/23/91 P. O. Box 964
Duration 4 Days
Language E East Brunswick, NJ 08816-0964 , USA
Fees 1,190 US\$; exclusive of room and board

Phone 908-613-4535
Fax 908-238-9113
Telex 139303 (CENPRO EBRW)

The optional first day presents the elementary principles of batch process engineering. The core of the course then surveys the problems associated with the design, operation, and control of production facilities that involve batch and semicontinuous operations and presents modern approaches to the solution of these problems. Some review of the basic principles is offered but the emphasis in the course is on proven, effective application.

Keywords ENGINEERING**Farming Systems Research/Extension Course**

436

International Rice Research Institute

Los Banos and Laguna, Philippines , Asia

Begins 07/22/91 Head, Training Center
Deadline 06/01/91 International Rice Research Institute
Duration 17 Weeks P.O. Box 933
Language E Manila, Philippines , Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Experimental learning or learning by doing activities to resolve problem-solving issues in farming systems. Training methods and events are organized into relevant sequences that facilitate inputting, processing and problem-solving in related environments. To accommodate various learning styles of trainees, practical tutorial and self study activities are interspersed with additional training strategies, including case histories and questions/answer sessions.

Keywords SYSTEMS, RESEARCH, EXTENSION**International Network on Sustainable Rice Farming Systems**

437

International Rice Research Institute

Los Banos and Laguna, Philippines , Asia

Begins 07/22/91 Head, Training Center
Deadline 06/01/91 International Rice Research Institute
Duration 16 Weeks P.O. Box 933
Language E Manila, Philippines , Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Aims to strengthen capabilities in theoretical and practical aspects of fertilizer use, biological nitrogen fixation and experimental techniques. Topics include: scientific experiment; soil and soil properties, site characteristics; soil fertility management and evaluation; rice nutrients; nutrient transformation in lowland soils; fertilizer management and evaluation; azolla and soil microbiology; statistical analysis; economics; rice culture; technical report writing; basic photography. Requires: BS/MS in soil science related field; junior researcher.

Keywords SOIL, FERTILIZER, SUSTAINABLE, AGRONOMY**Managing Project Cycle: Microcomputer Tools for Project Analysis and Implementation**

438

Academy for Educational Development

Washington, D.C. , USA

Begins 07/22/91 Mary Rauner, Course Manager
Deadline 05/15/91 Development Studies Institute, AED
Duration 6 Weeks 1255 23rd Street, N.W.
Language E Washington, D.C. 20037 , USA
Fees 5,600 US\$; \$100 per day for room and board

Phone 202-467-8760
Fax
Telex 197601 ACADED WSH

Course designed to teach mastery of most useful microcomputer programs for managing the project cycle. Lab sessions will involve IBM compatible and MS-DOS operating systems. Topics: managing project cycle, introduction to microcomputers, principles of project analysis, implementation and monitoring, economic analysis, financial analysis, project schedulings, management systems, sensitivity analysis and project cost control.

Keywords ANALYSIS, COMPUTER, MANAGEMENT, MONITORING

Manpower Projections and Analysis for Planning and Development

439

United States Department of Labor

Washington, D.C., USA

Begins 07/22/91 John T. McCracken, Director
Deadline 05/22/91 United States Department of Labor, Room S-1310
Duration 6 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 3,235 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Uses and analysis of data for projecting manpower requirements and planning programs and developing policies. Methods and techniques of projecting manpower requirements by industry and occupation. Techniques for developing manpower supply and demand projections for semi-skilled, skilled and high-level technical and professional categories of workers. Methodology for conducting and maintaining an inventory of high-level and skilled workers. Sources of manpower information, their uses and adequacy, and the analysis and adjustment of data for use in manpower forecasting, projections and assessments.

Keywords ANALYSIS, PLANNING, LABOR, DATA

Applied Research: Quantative Methods

440

California State Polytechnic University

Pomona, California, USA

Begins 07/22/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 05/22/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

The workshop focuses on developing participant skills in phases of research implementation, design and analysis. International participants will acquire a knowledge of statistical software packages as well. Additional course offered in French 07/01/91.

Keywords RESEARCH, STATISTICS, ANALYSIS

Basic Principles of Chemical Engineering

441

The Center for Professional Advancement

Chicago, Illinois, USA

Begins 07/22/91 The Registrar
Deadline 05/22/91 P. O. Box 964
Duration 5 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 1310 US\$; exclusive of room and board

Phone 908-613-4535
Fax 908-238-9113
Telex 139303 (CENPRO EBRW)

The basic principles of chemical engineering, including stoichiometry, equilibrium and rate processes, mass and energy transfer, unit operations, and separation processes, will be presented in a form that will be easily understood by participants with no previous training in the field. Although all the lectures will emphasize basic concepts and use a minimum of mathematics, a knowledge of simple calculus and differential equations is advisable for course participants.

Keywords ENGINEERING

Cheese Production

442

Land O'Lakes

Minneapolis, Minnesota, USA

Begins 07/21/91 Manager, International Training
Deadline 05/21/91 P. O. Box 116
Duration 3 Weeks
Language E Minneapolis, MN 55440, USA
Fees 2,710 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Fundamental cheesemaking skills are taught through hands-on training in small on-farm cheese plants and through observation in larger cheese plants. Target audience: plant owners; engineers; managers; technicians.

Keywords DAIRY, FOOD SCIENCE

Intercultural Communications Workshops

443

Intercultural Communication Institute

Portland, Oregon, USA

Begins 07/18/91 Beth Prins or Sandy N. Miller
Deadline 07/15/91 8835 S.W. Canyon Lane
Duration 3 Weeks Suite 238
Language E Portland, OR 97225, USA
Fees 1,995 US\$; includes registration, room, food and materials

Phone 503-297-4622
Fax 503-297-4695
Telex

Workshops are offered in three sessions. Topics include understanding intercultural communication: concepts and issues in theory and practice; teaching intercultural communication; training in international programs; intercultural issues; managing multicultural organizations; implementing intercultural training. For a catalog, contact the address listed above.

Keywords COMMUNICATION

Communication Workshop - Session I of III

Intercultural Communication Institute

Portland, Oregon , USA

444

Begins 07/18/91 Beth Prines or Sandy N. Miller
Deadline 07/15/91 8835 S.W. Canyon Lane
Duration 3 Days Suite 238
Language E Portland, OR 97225 , USA
Fees 450 US\$; inclusive of room and board

Phone 503-297-4622
Fax 503-297-4695
Telex

Objectives: examine the basic concepts, theories and issues of intercultural communication and cross-cultural human relations; explore the way these concepts and issues can be applied to one's personal and professional life; understand the history and development of the intercultural field; review resources available for the further study of the subject. Session II of III-Professional Concepts on 07/21/91 for 1 week and Session III of III-Intercultural Issues on 07/28/91 for 1 week also offered.

Keywords COMMUNICATION**Production and use of Nitrogen Fixing Trees on Small Farms**

University of Hawaii

Honolulu, Hawaii , USA

445

Begins 07/17/91
Deadline 06/15/91 College of Trop Ag & Human Res, Univ. of Hawaii
Duration 2 Weeks Gilmore Hall, Rm. 214, 3050 Maile Way
Language Honolulu, HI 96822 , USA
Fees not available

Phone
Fax
Telex

Keywords FORESTRY, AGROFORESTRY**Project Implementation for Agriculture and Rural Development (140-16)**

United States Department of Agriculture

Washington, D.C. , USA

446

Begins 07/16/91 Howard Opper, PM 132
Deadline 05/16/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,206 US\$; exclusive of room and board

Phone
Fax 202-245-5960
Telex 7400228 CDOP UC

To develop knowledge and skills to: start projects effectively; apply effective communications, decision making and problem solving techniques in project work groups; plan, specify and schedule implementation activities; utilize monitoring, reporting, evaluation and financial systems to improve project performance.

Keywords RURAL, MANAGEMENT, PROJECT**Tropical Marine Invertebrates**

Bermuda Biological Station for Research, Inc.

Bermuda , North America

447

Begins 07/16/91 Educational Director
Deadline 03/01/91
Duration 4 Weeks
Language E Ferry Reach GE 01 , Bermuda
Fees 2,375 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

Coral reef systems rival tropical rain forests in complexity and species diversity. This course explores the biology of invertebrates, utilizing the varied fauna of Bermuda's reefs and associated nearshore habitats. Aspects of recent research and current techniques of collection and study will be included in lectures, laboratories and field trips. An independent study project will be an important part of the course.

Keywords TROPICAL, MARINE, TOUR**Corrective Action for Containing and Controlling Ground Water Contamination**

National Water Well Association

Nashville, Tennessee , USA

448

Begins 07/16/91
Deadline 05/16/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 695 US\$; exclusive of lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

You will expand your knowledge of many popular decontamination techniques, including pump-and-treat systems, barrier walls and in situ restoration. Topics will be addressed in a straightforward manner, starting with predesign information and processing to dealing with a wide variety of contaminants in treatment schemes. Additional course 10/08/91 in Farmington, Connecticut.

Keywords WATER

Introduction to Ground Water Geochemistry

National Water Well Association

Nashville, Tennessee, USA

449

Begins 07/16/91
Deadline 05/01/91
Duration 3 Days
Language E
Fees 725 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

The purpose of this course is to provide an introduction to ground water geochemistry through fundamental equilibrium and kinetic concepts. Special emphasis will be placed on organic geochemistry. Hydrogeologists, engineers and other related professionals involved in ground water remedial actions will find the program extremely beneficial. Lectures will stress practical applications of the principles. Attendees should possess a basic understanding of chemistry. Additional courses will be offered 10/08/91 in Farmington, Connecticut.

Keywords WATER**Managing International Technical Training Programs**

Oregon State University

Corvallis, Oregon, USA

450

Begins 07/16/91
Deadline 05/16/91
Duration 3 Weeks
Language E
Fees 1,900 US\$; excluding room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

This course is designed for teachers and administrators of vocational and technical training programs. The course meets Tuesday and Thursday evenings. Week days will be utilized for pursuing individually guided research projects relevant to participants professional roles.

Keywords MANAGEMENT, TRAINING**Nematology**

University of California

Davis, California, USA

451

Begins 07/15/91
Deadline 06/15/91
Duration 6 Weeks
Language E
Fees 3,155 US\$; inclusive of room and board

Phone 916-757-8686
Fax
Telex 405838

Nematode form and function; nematode biology, taxonomy and systematics; molecular biology and genetics of nematodes; nematode behavior, ecology and population biology. Emphasis on identification, including: classical approaches and use of expert systems and other computer-based techniques; damage to plants; biological, chemical and cultural control of nematodes and their use to control insects; sampling and assessment of nematode populations; the management decision process.

Keywords PEST, DISEASE, PLANT SCIENCE**Gender Analysis for Development Planning**

Oregon State University

Corvallis, Oregon, USA

452

Begins 07/15/91
Deadline 06/15/91
Duration 4 Weeks
Language E
Fees 3,250 US\$; exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Focus on gender roles in household and national production systems. Emphasis on: developing gender roles and analytical skills to generate gender integrated policy, program and project development; using primary and secondary data; utilizing gender segregated data for project identification, development, management, monitoring and evaluation. Analytical skills training will include rapid rural appraisal, unobtrusive measures, structured data collection methods and data management issues.

Keywords GENDER, ANALYSIS**Tree Establishment in Arid Areas for Fuelwood and Conservation (TC 170-8)**

United States Department of Agriculture

University of Arizona/Tucson, USA

453

Begins 07/15/91
Deadline 06/15/91
Duration 4 Weeks
Language E
Fees 2,428 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Participants develop skills to produce tree seedlings; plan, design and manage tree plantations for windbreaks; erosion control; fuelwood production; prevent and control fires; adapt knowledge for implementation through forestry extension. Stresses: forestry practices and project development; plant species adaptable to specific uses; agroforestry; fuelwood management; revegetation for soil and water conservation; multi-resource management. Designed for: mid-level professionals.

Keywords FORESTRY, AGROFORESTRY, FUELWOOD, CONSERVATION

Application of Remote Sensing and GIS in Tropical Rain Forest TK87-300-91 ESE 454
 German Foundation for International Development Kuala-Lumpur, Malasia , Asia

Begins 07/15/91 eutsche Stiftung fur Internationale Entwicklung **Phone** 08157-383219
Deadline 05/15/91 Zentralstelle fur Ernahrung und Landwirtschaft **Fax**
Duration 4 Weeks Wielinger Strasse 52 **Telex**
Language E D-8133 Feldafing, GDR , Europe
Fees 7418 Deutsche Marks

Objectives: improve use of remote-sensing (RS) and geographic information systems (GIS); impart knowledge of applications of RS and GIS in forestry and land use planning; learn to plan projects using RS and GIS as aids; learn to interpret and process data/images and how to use information in decision making; learn how to assess cost-benefit ratio of using RS and GIS; learn how to detect trends in development of RS and GIS; data analysis and presentation; database design.
Keywords REMOTE SENSING, TROPICAL, FORESTRY

Monitoring and Evaluation of Public Sector Projects and Programs 455
 University of East Anglia Norwich, United Kingdom , Europe

Begins 07/15/91 The Course Director, Overseas Development Group **Phone** 0603-57880
Deadline 05/15/91 University of East Anglia **Fax**
Duration 8 Weeks **Telex** 975197 UEACPC G for ODG
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees 4,695 British pounds; bed, breakfast and accommodations

Initial emphasis on the context of the program or project-the development strategy or policy of which it is a component part- and the appraisal which specifies the projected input-output relationships. The core of the course concerns the specification of what needs to be known for the purposes of monitoring and evaluation and who needs to know it. The popular Logical Framework approach is used to show how demands for information can be incorporated into program and project design.
Keywords EVALUATION, MONITORING, PROJECT, PROGRAM

Microcomputing and Information Technology for Planning and Development 456
 University of East Anglia Norwich, United Kingdom , Europe

Begins 07/15/91 The Course Director, Overseas Development Group **Phone** 0603-57880
Deadline 05/15/91 University of East Anglia **Fax**
Duration 10 Weeks **Telex** 975197 UEACPC G for ODG
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees 5,450 British pounds; bed and breakfast accommodations included

Course includes instruction in planning for computer systems-systems analysis and design; introduction to computer systems-components and jargon; the use of computer packages; spreadsheet programmes; word processing; database programmes; management information systems; planning software; introduction to statistical techniques using microcomputers; programming in BASIC; programming in C; introduction to Hypertext and 4th generation languages; and training computer trainees
Keywords COMPUTER, INFORMATION, PLANNING, STATISTICS

M & E Optional Course: Microcomputing Applications in Monitoring & Evaluation 457
 University of East Anglia Norwich, United Kingdom , Europe

Begins 07/15/91 The Course Director, Overseas Development Group **Phone** 0603-57880
Deadline 05/15/91 University of East Anglia **Fax**
Duration 2 Weeks **Telex** 975197 UEACPC G for ODG
Language E Norwich NR4 7TJ, United Kingdom , Europe
Fees 1,925 British pounds; including bed, breakfast and accommodations

Provides participants with practical skills to select and use commercially available software in the evaluation of agricultural projects. Introduces students to PCs and shows how they can be used in monitoring and evaluation. Guidelines are given on choosing software, followed by "hands-on" experience in the most useful software packages. The course is designed for development professionals requiring basic skills in microcomputing.
Keywords COMPUTER, EVALUATION, MONITORING

Basics of Geographic Information Systems for Developing Countries 458
 South Dakota State University Brookings, South Dakota , USA

Begins 07/15/91 Kevin Dalsted **Phone** 605-688-4184
Deadline 07/01/91 Office of Remote Sensing/SDSU **Fax** 605-688-5878
Duration 2 Weeks P.O. Box 1000, Harding Hall **Telex**
Language E Brookings, SD 57007-2220 , USA
Fees 1,200 US\$

A GIS course for scientists from developing countries. Emphasis is on basic concepts and relevant applications, addressing agricultural and other related issues.
Keywords DATA, COMPUTER, GEOGRAPHY

Engineering for Air Pollution Mitigation

459

Colorado State University

Fort Collins, Colorado, USA

Begins 07/15/91 International Institute for Civil Engineering
Deadline 06/01/91 IICE
Duration 2 Weeks
Language E Fort Collins, CO 80523, USA
Fees 2,175 US\$; excluding room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

This course addresses: fundamental processes of atmospheric transport and diffusion; identification and specification of source characteristics; description of local wind statistics; dispersion enhancement techniques; field sampling instrumentation; data reduction and analysis; design for control of pollutant recirculation into building air-intake systems.

Keywords ENGINEERING, ENVIRONMENT**Hydrometry**

460

Colorado State University

Fort Collins, Colorado, USA

Begins 07/15/91 International Institute for Civil Engineering
Deadline 06/01/91 IICE
Duration 3 Weeks
Language E Fort Collins, CO 80523, USA
Fees 1,000 US\$

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Course reviews the principles, methods, instruments and equipment for measuring water quantity and quality variables in nature. The topics to be covered will include: stream discharge measurement using flumes; current meters; dye dilution methods; sediment measurements; hydrometeorological variable measurements; precipitation; humidity; temperature; evaporation; wind speed, radiation and water quality variables.

Keywords HYDROLOGY, WATER**Remote Sensing and GIS for Monitoring and Managing Natural Resources**

461

Colorado State University-ISFNR

Fort Collins, Colorado, USA

Begins 07/15/91 Dr. Roger M. Hoffer
Deadline 05/15/91 102 Natural Resources, Coll. of For. & Nat. Res.
Duration 3 Weeks Colorado State University
Language E Fort Collins, Colorado, USA
Fees 2,400 US\$; excluding room and board

Phone
Fax
Telex

The first portion of this course emphasized the sources, characteristics, costs, advantages and limitations of various types of remote sensor data. Interpretation of a variety of remote sensor imagery, including both multi-spectral scanner and radar imagery obtained from aircraft and satellite altitudes will be followed by hands-on experience in digital analysis of multi-spectral data using personal computers. The course will then focus on the use of GIS data bases for resource management.

Keywords REMOTE SENSING, GEOGRAPHY, MONITORING, NATURAL RESOURCES**Remote Sensing and GIS for Monitoring and Managing Natural Resources**

462

Colorado State University - Conference Services

Fort Collins, Colorado, USA

Begins 07/15/91 College of Forestry and Natural Resources
Deadline 05/15/91 Office of Conference Services
Duration 3 Weeks Colorado State University
Language E Ft. Collins, CO 80523, USA
Fees 2,400 US\$; registration fee

Phone 303-491-7501
Fax
Telex

This course is specially designed for professionals and technicians who are involved with or responsible for assessing, monitoring and making management decisions concerning natural resources. The first portion of this course emphasizes the sources, characteristics, costs, advantages and limitations of various types of remote sensor data. The course will then focus on the use of GIS databases for resource management. Prior knowledge of computers is not essential.

Keywords REMOTE SENSING, GEOGRAPHY, MONITORING, NATURAL RESOURCES**New Venture Creation**

463

California State Polytechnic University

Pomona, California, USA

Begins 07/15/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 05/15/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

New venture creation provides individuals with high interest in the formation of new firms an opportunity to examine potential ideas and to develop a preliminary venture feasible-abilities and learn management principles.

Keywords BUSINESS, ENTERPRISE

International Course on Plant Variety Research

464

International Agricultural Centre

Wageningen , Netherlands

Begins 07/15/91 The Director
Deadline 03/15/91 P.O. Box 88
Duration 3 Weeks
Language E 6700 AB Wageningen , Netherlands
Fees 5,500 Dutch guilders; includes room and board

Phone 8370-90111
Fax 8370-18552
Telex 45888 INTAS NL

This course highlights the neglected area between plant breeding programmes and commercialization of cultivars. In this stage, agro-ecological performance of varieties must be confirmed, genetic stability tested and varietal maintenance initiated. ADDITIONAL COURSE AT ICARDA, SYRIA IN 1992.

Keywords PLANT SCIENCE, AGRONOMY

Prospectus for Research Management Enhancement

465

Regional Center for Graduate Study and Research in Agriculture

Philippines and Thailand , Asia

Begins 07/15/91 Arturo A. Gomez, Director
Deadline 05/15/91 4031 College
Duration 4 Weeks
Language E Laguna, Philippines , Asia
Fees 3,000 US\$; inclusive of room and board

Phone 2380/2576/3459
Fax
Telex (ITT) 40904 SEARCA PM

This course includes: 1) overview of research management; 2) management leadership and human behavior; 3) policy and institutional issues; 4) support services; 5) organization behavior and structure; 6) research program planning and operation; 7) project management; 8) technology assessment and promotion.

Keywords RESEARCH, MANAGEMENT

Automated Cartography for Censuses and Surveys

466

United States Bureau of the Census

Washington, D.C. , USA

Begins 07/15/91 Thomas C. Walsh, Chief
Deadline 05/15/91 International Statistical Programs Center
Duration 3 Weeks
Language E Washington, D.C. 20233 , USA
Fees 2,800 US\$; excluding international travel and subsistence

Phone
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

Concepts are presented through lectures. Hands-on experience is strongly encouraged for the participants to understand the potential of using computers for mapping activities. Emphasis is placed on microcomputer mapping systems. A variety of mapping packages are presented.

Keywords SURVEY, COMPUTER

Management of Agricultural Information

467

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 07/15/91 Director of Training and Information
Deadline 04/01/91 P.O. Box 5689
Duration 3 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 2,025 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

The course will provide the theoretical background and practical hands-on experience in the tools, techniques, systems, and software for information management in general and for animal agriculture in particular. The need to sensitize end-users to the value of information and the use of information systems will be stressed.

Keywords MANAGEMENT, INFORMATION, COMPUTER

On-Farm Water Management

468

Utah State University

Utah, Colorado , USA

Begins 07/14/91 International Irrigation Center
Deadline 06/01/91
Duration 6 Weeks Utah State University
Language E/S Logan, UT 84322-4150 , USA
Fees 3,975 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Designed for irrigation professionals: engineers, agriculturalists, economists, sociologists and program managers. Participants gain knowledge of, and skills in, interdisciplinary team work and development of solutions for improving on-farm water management to increase productivity and net farm income. Practical application of concepts are carried out at field sites. Also available on request. Additional course offered 07/12/92.

Keywords WATER, IRRIGATION

Statistics in Agriculture

469

University of Reading

Reading, United Kingdom , Europe

Begins 07/11/91 Statistical Survey Center
Deadline 06/11/91 AERDD
Duration 10 Weeks No. 3, Earley Gate, Whiteknights Road
Language E Reading RG6 2AL , UK
Fees 3,800 British pounds; exclusive of room and board

Phone 0734-318025
Fax
Telex 847813 AB RULIB G

Review of statistical techniques for agricultural applications; introduction to use of computers for data management and analysis; critical consideration of methods for collecting agricultural data and an explanation of appropriate data management and statistical techniques. Emphasis is on practical help with special problems faced in developing countries. Designed for staff of agriculture ministries, academic institutions and research organizations involved with data management and analysis.

Keywords STATISTICS, COMPUTER, DATA

Appropriate Strategies, System-Oriented Mgmt. & Planning Bases 9.14/91 TK75-240-91

470

German Foundation for International Development

Feldafing GDR , Europe

Begins 07/11/91 Deutsche Stiftung fur Internationale Entwicklung
Deadline 05/11/91 Zentralstelle fur Ernährung und Landwirtschaft
Duration 4 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR , Europe
Fees 9145 Deutsche Marks

Phone 08157-383219
Fax
Telex

Appropriate strategies, system-oriented management and planning bases for the improvement of animal health in the tropics. Identification of problems in animal health; analysis of veterinary health care in home countries; management of scarce resources (technical personnel, money, drugs, equipment); function organization of veterinary health services; planning veterinary health programs for home country; evaluation of case studies; introducing basic veterinary services; sharing costs of animal health programs.

Keywords VETERINARY, TROPICAL

Communication Planning and Strategy

471

Cornell University

Ithaca, New York and Washington , USA

Begins 07/10/91 James E. Haldeman, Chief
Deadline 06/15/91 Department of Communication
Duration 04 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853 , USA
Fees 2,200 US\$; exclusive of room and board

Phone 607-255-3035
Fax 607-255-1005
Telex 559020 INTAG CORNELL

Program emphasizes organization of communication and non-formal education programs directed at various groups of people from policy makers to villagers. Topics are: developing communication strategy; analyzing audiences; message design issues; media selection; mobilization of resources; interpersonal communication; mass media; small group communication; communication research and evaluation. Annually.

Keywords COMMUNICATION, PLANNING

Statistics for Livestock Studies

472

University of Reading

Reading, England , Europe

Begins 07/10/91
Deadline 06/01/91 AERDD
Duration 9 Weeks No. 3, Earley Gate, Whiteknights Road
Language E Reading RG6 2AL , UK
Fees 3,800 British pounds; exclusive of room and board

Phone 0734-318025
Fax
Telex 847813 A/B RULIB G

To review statistical techniques for livestock health and production applications; to introduce use of computers for data management and analysis; methods of collecting livestock data considered critical; to offer practical help with the special problems faced in developing countries. Modules: statistical computing; basic or advanced statistics; livestock studies; survey methods.

Keywords COMPUTER, DATA, STATISTICS, LIVESTOCK

Development and Employment Management

473

University of Oxford

Oxford, United Kingdom , Europe

Begins 07/10/91 Director, MDS
Deadline 12/08/91 Department for Continuing Education
Duration 9 Weeks Rowley House, 1 Wellington Square
Language E Oxford OX1 2JA , UK
Fees 8,500 British pounds; inclusive of tuition, accommodations, travel

Phone 0865-270360
Fax
Telex 83147 VIA OR (ATTN EX STUD)

The central aim of the course is to improve the effectiveness of development managers so that the organizations and projects they help to run will be managed more efficiently. In this way their activities will gradually have a greater impact on the quality of life of people living in impoverished communities. In pursuit of this aim the course focuses on three core elements: 1) Poverty & Development. 2) Employment and Income Creation. 3) Management Skills & Behavior.

Keywords DEVELOPMENT, MANAGEMENT, PERSONNEL

Global Environmental Change

474

Bermuda Biological Station for Research, Inc.

Bermuda, North America

Begins 07/10/91 Educational Director
Deadline 03/01/91
Duration 3 Weeks
Language E Ferry Reach GE 01, Bermuda
Fees 1,995 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

Course on global biogeochemical cycles and the greenhouse gases. Topics will include: cycles of C, N, P, S; the global carbon cycle; acid rain; stratospheric and tropospheric ozone; deforestation and loss of biodiversity; interactions of gases with seawater; computer modeling of future global change; environmental policy and prospects for the next century. Laboratory and field work on the carbon dioxide-carbonic acid system and nutrients, computer modeling of N and S emissions and acid precipitation.

Keywords ENVIRONMENT, ECOLOGY

Gillnetting

475

Oregon State University

Astoria, Oregon or Host Country, USA/IC

Begins 07/10/91 Training Coordinator
Deadline 00/00/00 Office of International Research & Development
Duration 1 Week Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 300 US\$; per day in host country or 900 US\$ per day in astoria

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

This course is to teach fisherman how to use, set, mend and repair various types of gillnets. There will also be instruction on fish handling and quality.

Keywords FISH

Trawling (Commercial Fishing)

476

Oregon State University

Astoria, Oregon or Host Country, USA/IC

Begins 07/10/91 Training Coordinator
Deadline 05/10/91 Office of International Research & Development
Duration 1 Week Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 250 US\$; per day in host country/900 US\$ per day in astoria

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

This course will cover basic knowledge and skills necessary for vessel operation, gear selection and repair, commercial fish harvesting by trawls. It is to help individuals set up a successful trawl fishery in their area. Participants will learn how to handle trawls, select proper gear, mend the trawls and locate species in their areas.

Keywords FISH

Extension Methods for Reaching Smallholder Women Farmers

477

Oregon State University

Corvallis, Oregon, USA

Begins 07/09/91 Training Coordinator
Deadline 06/09/91 Office of International Research & Development
Duration 4 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 4,800 US\$; exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Designed for agricultural and rural development personnel. Will explore ways of working with women farmers in developing nations with purpose of improving skills in agriculture production. Topics include: effective extension approaches; technology of extension; constraints to reaching women; organizing women's groups; obtaining and managing financial resources; organizing and managing agricultural income generating activities; improving extension services to women. Students will develop action plan to use at home.

Keywords EXTENSION, RURAL, WOMEN, GENDER

Biology of Fishes

478

Bermuda Biological Station for Research, Inc.

Bermuda, North America

Begins 07/09/91 Educational Director
Deadline 03/01/91
Duration 4 Weeks
Language E Ferry Reach GE 01, Bermuda
Fees 1,895 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

Fishes make up over half of the vertebrate species on earth. This course provides a comprehensive and rigorous grounding in the biology, systematics, basic anatomy and adaptations of fishes. Laboratory and field work on subtropical species.

Keywords MARINE, FISH

Biology of the Honey Bee

479

Oregon State University

Corvallis, Oregon, USA

Begins 07/09/91 Training Coordinator
Deadline 06/09/91 Office of International Research & Development
Duration 3 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 236 US\$; exclusive of room, board and transportation

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

The course includes a review of: the classical experiments in honey bee learning; how our biological understanding of the European honey bee has been integrated into beekeeping; comparative biologies of the other social bee and wasp species native to the Pacific Northwest of the U.S.A.

Keywords BEEK,CEPING**Vegetable Crop Production and Marketing (130-11)**

480

United States Department of Agriculture

University of Florida, USA

Begins 07/08/91 Short Course Coordinator
Deadline 05/08/91 USDA/OICD/DRD/MCD
Duration 7 Weeks Room 3110-S
Language E Washington, D.C. 20250-4300, USA
Fees 3,826 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Topics include: varietal screening and selection; cultural practices and conditions affecting quality; harvesting techniques; product standards and grading; insect, disease and weed control; cooperatives; risk evaluation. Will develop knowledge and skills to: identify characteristics of various types of vegetables and their adaptability to different climates; identify proper methods for handling, storage and shipping of different vegetable crops.

Keywords MARKETING, PLANT SCIENCE, VEGETABLE**Project Monitoring and Evaluation**

481

The Experiment in International Living

Brattleboro, Vermont, USA

Begins 07/08/91 Mr. Leslie Long
Deadline 06/07/91 School for Intl. Training, E.I.L.
Duration 6 Weeks P.O. Box 676, Kipling Road
Language E Brattleboro, VT 05301, USA
Fees 5,350 US\$; exclusive of room and board

Phone 802-257-7751
Fax 802-254-6674
Telex 6817462 EXPER UW

Learn to: incorporate monitoring and evaluation in project planning and management; diagnose problems and make adjustments during project implementation; build system for management, assessment and utilization of information on project performance; use scheduling and monitoring tools (cash flow projections, PERT/CPM and logical framework); adopt utilization-focused approach to evaluation and use Rapid Rural Assessment Techniques; apply microcomputer technology. ANNUALLY

Keywords EVALUATION, MONITORING, PROJECT**Methods of Applied Economic Research:**

482

Colorado State University-ICARD

Fort Collins, Colorado, USA

Begins 07/08/91 Dr. Ronald Tinnermeier
Deadline 06/02/91 B302 Clark Building
Duration 4 Weeks Colorado State University
Language E Fort Collins, Colorado 80523, USA
Fees 3,000 US\$; exclusive of room and board

Phone 303-491-5865
Fax 303-491-6441
Telex 452014 ICARD

Designed for: government, private industry and academic economic researchers, managers and supervisors; administrators with research responsibilities; trainers, teachers, professors and other educators of economic research. Course topics areas include: research problems and approaches; data collection; information presentation; data analysis tools; research project management; microcomputer programs. Field trips will demonstrate and reinforce course concepts. Additional course offered 08/02/91.

Keywords ECONOMICS, RESEARCH**Integrated Pest Management (IPM): Principles and Practices**

483

University of California

Davis, California, USA

Begins 07/08/91 International Training and Education Center
Deadline 06/08/91 University Extension
Duration 4 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees 1,700 US\$; exclusive of room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Objective: to promote understanding of the principles and practices of integrated pest management. Students will learn to: differentiate between various pest problems; monitor pest and natural enemy populations in the field; keep pest management records; to use pesticides safely and effectively. Topics include: disease; nematode and weed management; ecological/economic basis of IPM; biocontrol; sociocultural considerations; communicating this knowledge to farmers. Designed for extension agents.

Keywords PEST, EXTENSION

Weed Management Strategies

484

Oregon State University

Corvallis, Oregon, USA

Begins 07/08/91 Training Coordinator
Deadline 06/08/91 Office of International Research & Development
Duration 6 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 3,000 US\$; inclusive of room, board and field trips

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Designed for researchers, graduate students and government specialists involved with conducting or administering weed management programs in developing nations. Course will present practical, useable information covering a broad range of weed control research and management techniques. Strategies for meeting challenge of conducting effective weed management programs and the overall importance of effective weed management in relation to other cropping inputs will be emphasized.

Keywords WEED, PLANT SCIENCE, AGRONOMY**Weed Management**

485

Oregon State University

host country, In-Country

Begins 07/08/91 Training Coordinator
Deadline 05/08/91 Office of International Research & Development
Duration 6 Weeks Snell Hall 400
Language E/S/F/A Corvallis, OR 97331-1641, USA
Fees not available

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Designed for research, extension and industry personnel, students and others interested in weed management. Course will present practical, useable information covering a broad range of weed control research and management techniques. Strategies for meeting the challenge of conducting effective weed management programs with local resource base and the overall importance of effective weed management in relation to other cropping inputs will be emphasized.

Keywords WEED, PLANT SCIENCE, AGRONOMY**Starting and Managing a Business in Your Community (Designed for Women)**

486

University of Hawaii

Honolulu, HI, USA

Begins 07/08/91 Coordinator for International Programs
Deadline 06/01/91 College of Trop Ag & Human Res, Univ. of Hawaii
Duration 1 Week Gilmore Hall, Rm. 214, 3050 Maile Way
Language Honolulu, HI 96822, USA
Fees not available

Phone
Fax
Telex

Keywords WOMEN, BUSINESS, ENTERPRISE**Conservation Biology**

487

Washington State University

Pullman, Washington, USA

Begins 07/03/91 Dr. Gilbert, Department of Natural Res. Science
Deadline 02/30/91 Department of Natural Resource Sciences
Duration 2 Weeks Washington State University
Language E Pullman, WA 99164-6410, USA
Fees 500 US\$; exclusive of room, board and insurance

Phone 509-335-6166
Fax
Telex

Also available on request. Theoretical and practical foundation in Conservation Biology (CB) for managing resources at ecosystem level. Examines ecological and evolutionary bases (theoretical and empirical) of CB. Considers importance of resource management and trade-offs imposed by political, economic and social realities. Topics: causes and consequences of extinction; prediction of results of human induced and natural modification; maintenance of populations; design of nature reserves.

Keywords CONSERVATION, NATURAL RESOURCES**Farming Systems Approach to Research and Extension for Small Farms (TC 110-20)**

488

United States Department of Agriculture

University of Florida/Gainesville, USA

Begins 07/08/91 Veronica Priddy
Deadline 06/09/91 USDA/OICD/DRD/MCD
Duration 5 Weeks Room 3110-S
Language E Washington, D.C. 20250-4300, USA
Fees 3,082 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Stresses importance of an interdisciplinary team approach and actively involves participants in hands-on field activities. Participants should bring information regarding a farming systems project from their country for use in class discussions. A field trip will examine the on-site application of farming systems concepts and methods. Designed for those responsible for working with small farm programs including planning, implementation and outreach.

Keywords RESEARCH, EXTENSION, SYSTEMS

Developing, Writing and Marketing Research Proposals

489

Winrock International

Morrilton, Arkansas, USA

Begins 07/08/91 Training Unit
Deadline 06/05/91 Route 3 Box 376
Duration 1 Week Petit Jean Mountain
Language E Morrilton, AR 72110, USA
Fees 1,200 US\$; inclusive of room and board based on double occupancy

Phone 501-727-5435 x266
Fax 501-727-5242
Telex 910-720-6616 WI HQ UD

Will focus on developing necessary skills to identify realistic projects and to write proposals within the mandates of home country institutions and other funding agencies. Students will be involved in an interactive workshop that will assist them in: identifying research priorities and funding options, developing budgets, improving proposal development and writing style, improving marketing strategies, and developing marketing themes. Additional course offered 08/12/91 through 08/16/91.

Keywords EDUCATION, RESEARCH**Computerized Land Information Systems**

490

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 07/08/91 Soil Survey and Land Research Centre
Deadline 06/01/91
Duration 3 Months Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 5,400 british pounds; 612 british pounds housing, meals not included

Phone 0525-60428
Fax
Telex 827014 SSLRC G

Course consists of 7 modules: Hardware; Operating systems; Applications software; Introduction to relational databases; Use of relational databases in construction of information systems; Data capture for information systems; User applications; Action plan. Based on extensive practical experience in the developing and running of land and geographical information systems. Will be especially beneficial where participants can bring their own data for use in the various exercises.

Keywords COMPUTER, LAND USE, INFORMATION**Modern Irrigation System Management (CIIM No. 03)**

491

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 07/08/91 Colorado Institute for Irrigation Management
Deadline 05/01/91 410 University Services
Duration 5 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 4,500 US\$, tuition, materials, books, and field trips

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

The purpose of this course is to provide framework for understanding and implementing modern management processes to improve performance and productivity of irrigation projects. The course will include lectures by experienced professionals, group discussions and case studies from developing countries and the USA. It will also include a closing study tour to several irrigation projects noted for using modern management processes and technologies. The training will focus on: strategic planning; management control; operational control; organization; leadership. This course is designed to meet the needs of officials at the highest levels who are responsible for setting policy, engaged in strategic planning and responsible for day-to-day management.

Keywords IRRIGATION, WATER, TOUR**Forecasting and Control of Water Resources Systems**

492

Colorado State University

Fort Collins, Colorado, USA

Begins 07/08/91 International Institute for Civil Engineering
Deadline 06/01/91 ICE
Duration 2 Weeks
Language E Fort Collins, CO 80523, USA
Fees 1,200 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

This course intends to enhance the participants' insight and understanding of forecasting precipitation, streamflow and optimal control theory for operation of flood control and water conservation reservoirs. Lectures will cover the underlying concepts, applications and case studies.

Keywords HYDROLOGY, WATER**Water Storage Capacities - Theory and Design**

493

Colorado State University

Fort Collins, Colorado, USA

Begins 07/08/91 International Institute for Civil Engineering
Deadline 06/01/91 ICE
Duration 2 Weeks
Language E Fort Collins, CO 80523, USA
Fees 1,200; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

The purpose of this course is to inform participants of the knowledge available and basic methods for planning, design and operation of water storage capacities. Proven and potential applications are emphasized. Assimilation of the material is facilitated through examples.

Keywords WATER, STORAGE

Design of Foundations on Expansive and Collapsing Soils

494

Colorado State University

Fort Collins, Colorado, USA

Begins 07/08/91 International Institute for Civil Engineering
Deadline 06/01/91 IICE
Duration 3 Weeks
Language E Fort Collins, CO 80523, USA
Fees 2,175 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

The design of foundations on expansive and collapsing soils follows procedures different than for foundations on saturated soils where consolidation settlements is of primary concern. This course will begin with general theories for mechanics of unsaturated soils and will then apply them to the design of shallow and deep foundations on expansive and collapsing soils.
Keywords SOIL, ENGINEERING

Enhancing the Tools of Personal Communication

495

Massachusetts Institute of Technology

Cambridge, Massachusetts, USA

Begins 07/08/91 Summer Session Office, Room E19-356
Deadline 05/08/91 Massachusetts Institute of Technology
Duration 1 Week 50 Ames Street
Language E Cambridge, MA 02139, USA
Fees 950 US\$

Phone 617-253-2101
Fax 617-253-8042
Telex 921473 MIT CAM

This course will present an opportunity to better understand and control the body's physical and vocal instruments as tools of expressive communication. The workshop will also promote greater relaxation, concentration, confidence and personal freedom. Ensemble exercises will focus on the individual's ability to operate in both supportive and leadership roles.
Keywords COMMUNICATION, HUMAN RESOURCES

Building Communities That Work: The Link Between Culture and Power

496

Massachusetts Institute of Technology

Cambridge, Massachusetts, USA

Begins 07/08/91 Summer Session Office, Room E19-356
Deadline 05/08/91 Massachusetts Institute of Technology
Duration 1 Week 50 Ames Street
Language E Cambridge, MA 02139, USA
Fees 900 US\$

Phone 617-253-2101
Fax 617-253-8042
Telex 921473 MIT CAM

This course will examine the dynamics of power as they relate to issues of culture within the contexts of schools, community organizations, human services and other private and public institutions. The workshop will pay close attention to the manner in which attitudes and practices related to cultural identity, sociopolitical contexts and institutional structures inform how individuals interact within culturally diverse settings.
Keywords CULTURE, HUMAN RESOURCES, LEADERSHIP

Applied Management Skills for Economic Development

497

Colorado State University-ICARD

Fort Collins, Colorado, USA

Begins 07/08/91 Dr. Ronald L. Tinnermeier, Director
Deadline 07/07/91 3302 Clark Building
Duration 4 Weeks Colorado State University
Language E Fort Collins, Colorado 80523, USA
Fees 3,000 US\$; excluding room and board

Phone 303-491-7292
Fax 303-491-6441
Telex 452014 ICARD

The course emphasizes applied human development and leadership skills—specifically, the role of the manager as a catalyst for developing organizations and employees. Upon completion, participants will be able to: set objectives and priorities; plan, organize and control projects; effectively lead projects; recognize and manage individual motivational differences; communicate effectively with co-workers.
Keywords MANAGEMENT, LEADERSHIP

Experiment Station Operations Management

498

University of Arkansas

Fayetteville, Arkansas, USA

Begins 07/08/91
Deadline 05/08/91 International Agricultural Programs
Duration 6 Weeks 300 Hotz Hall, University of Arkansas
Language E Fayetteville, AR 72701, USA
Fees 5,000 US\$; exclusive of room and board

Phone 501-575-6857
Fax 501-575-5055
Telex 314000 IAPROG

The intensive course will provide the theoretical basis in selected topics and will also include hands-on exercises that will bring the necessary reality to the experience.
Keywords MANAGEMENT, RESEARCH

Financial Management

499

California State Polytechnic University

Pomona, California, USA

Begins 07/08/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 05/08/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 91058114

International participants will acquire skills sufficient to manage the financial aspects of small business, small projects, some larger operations, and government offices in the socioeconomic context of developing countries. Additional course offered in French on 06/17/91.

Keywords FINANCE, MANAGEMENT

International Conference on Tillage for Sustainable Crop Production

500

Ohio State University

Ibadan, Nigeria

Begins 07/08/91 Dr. R. Lai
Deadline 05/08/91 Department of Agronomy
Duration 1 Week 2021 Coffey Road
Language Columbus, Ohio 43210-1086, USA
Fees not available

Phone
Fax
Telex

Keywords SUSTAINABLE

Integrated Microcomputer Processing System

501

United States Bureau of the Census

Washington, D.C., USA

Begins 07/08/91 Thomas C. Walsh, Chief
Deadline 05/15/91 International Statistical Programs Center
Duration 6 Weeks
Language E Washington, D.C. 20233, USA
Fees 4,750 US\$; inclusive of realia comal software

Phone
Fax 301-763-7589
Telex 9102509167(ISPCCENSUSWSH)

The workshop will demonstrate the various functions performed by IMPS and allow the participants to gain practical experience using the data entry, editing, and tabulation components of IMPS. During the workshop, participants will learn to install and use IMPS. They will develop application programs to enter, edit, and tabulate census data. The workshop will give participants working knowledge of Centry, Concor, Cents, and Quicktabs. Additional course offered 07/15/91 in French.

Keywords COMPUTER

Agroeconomic Evaluation for Development of Fertilizer

502

International Fertilizer Development Center

Muscle Shoals, Alabama, USA

Begins 07/08/91 Ram S. Giroti, Training Administrator
Deadline 06/14/91 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970 IFDEC MCHL

Statistical and economic analysis of data related to fertilizer use. Practice exercises for skill development in analysis of variance, regression analysis, marginal analysis, production functions, and simulation models of crop growth. Principles of computer programming for data processing and analysis. Regression analysis in fertilizer evaluations.

Keywords DEVELOPMENT, AGRICULTURE, ECONOMICS, FERTILIZER

Annual Seminar on Environmental Assessment and Management

503

Centre for Environmental Management and Planning

Scotland, United Kingdom, Europe

Begins 07/07/91 Mrs. Barabara Rae
Deadline 00/00/00 23 St. Machar Drive
Duration 2 Weeks
Language Old Aberdeen AB2 1RY Scotland, UK
Fees not available

Phone 44-224-487658
Fax
Telex 73458 UNIABN G

Keywords ENVIRONMENT, ANALYSIS, MANAGEMENT

Summer Institute for African Agricultural Research

United States Department of Agriculture

Univ. of Wisconsin/Madison, USA

504

Begins 07/07/91 Ms. Baumgartner, Int'l Agri. Programs
Deadline 02/20/91 USDA/OICD/TTD
Duration 3 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees Rockefeller Foundation grant covers all expenses for student/advisor

Phone 608-262-3673
Fax 608-262-8852
Telex

To supplement research training of African Ph.D. students through interaction with researchers experienced in African agriculture. Mix of workshops to review proposals; lectures on current African research; seminars on data problems, microcomputers, proposal writing and networking; hands-on training in computerized library searches. Designed for students in social, biological and physical sciences working on African food and agricultural issues.

Keywords AGRICULTURE, RESEARCH, POLICY**Intensive Small Ruminant Production**

The University of the West Indies

St. Augustine, Trinidad, North America

505

Begins 07/07/91 The Programme Coordinator
Deadline 05/07/91 Tropical Agricultural Technology Training Unit
Duration 3 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 1,200 US\$; extra 600 US\$ accommodations

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course objective: To equip both the existing and potential small ruminant farmers with the knowledge and exposure necessary to successfully manage production units. To provide a package of technology that is transferable to farm situations within the Caribbean.

Keywords ANIMAL PRODUCTION**Management for Natural Resources Development and Environmental Protection**

University of Tennessee

Knoxville, Tennessee, USA

506

Begins 07/07/91 Dr. Robert Orr, Office of Int'l Agri. Programs
Deadline 05/07/91 320 Morgan Hall
Duration 3 Weeks
Language E Knoxville, Tennessee 37901-1071, USA
Fees 2,250 US\$; inclusive of tuition, class materials and field trips

Phone 615-974-7476
Fax 615-974-7448
Telex UTSUPBKST 557-461

Topics will include: integrated planning for resource management and regional economic development; program design; incorporating human and environment needs in the development planning process; operational planning at the regional level; strategic management; identifying and working with constituents; monitoring the environment; developing human resources; focusing on the decision making process; strengthening the organization for greater effectiveness.

Keywords MANAGEMENT, NATURAL RESOURCES, ENVIRONMENT, DEVELOPMENT**Seed Technology: Organization and Management of Seed Programs 9.09/91 TK77-270-91**

German Foundation for International Development

Feldafing GDR, Europe

507

Begins 07/04/91 Deutsche Stiftung für Internationale Entwicklung
Deadline 03/04/91 Zentralstelle für Ernährung und Landwirtschaft
Duration 4 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR, Europe
Fees 7418 Deutsche Marks

Phone 08157-383219
Fax
Telex

Familiarizes participants with the scientific principles, organization, methodology and implementation of a seed production program. Concentrates on technical and organizational aspects such as: seed processing and packaging; maintenance of germination capacity, storage methods and postharvest protection; approval procedures and certification; consumer protection; control and testing; organization and management of seed marketing; seed legislation, government policy and services; register testing, variety and species protection.

Keywords SEED, AGRONOMY**Zooplankton Ecology**

Bermuda Biological Station for Research, Inc.

Bermuda, North America

508

Begins 07/03/91 Educational Director
Deadline 03/01/91
Duration 3 Weeks
Language E Ferry Reach GE 01, Bermuda
Fees 1,495 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

Study of living oceanic, nearshore and reef zooplankton with emphasis on the oceanographic processes which influence distribution, abundance and persistence of populations and communities. Field work includes a 24 hour blue-water sampling trip of R/V Weatherbird II, as well as work from small boats.

Keywords ECOLOGY, MARINE

Marketing Management Program
International Marketing Institute

509

Boston, Massachusetts, USA

Begins 07/02/91 Dr. Joseph Cannon, Executive Director
Deadline 07/02/91 Admissions Committee
Duration 4 Weeks 314 Hammond Street, Suite 52
Language E Chestnut Hill, MA 02167, USA
Fees 9,865 US\$

Phone 617-552-8690
Fax 617-55-2259
Telex 951750 IMMI CAM; IMIBOS

A management training program with marketing as the focus. Instructors define marketing concepts and apply them to practical examples domestically or in export segments of international markets. Topics include: marketing information systems; consumer behavior; management and control; counter trade; the marketing mix; market research; computers in marketing; finance for marketers; export marketing. Excursions to several market-driven corporations. Requires 5 years management experience.
Keywords MANAGEMENT, MARKETING

Tropical Agroforestry
University of Edinburgh

510

Edinburgh, Scotland, Europe

Begins 07/02/91 TROPAG Office
Deadline 06/01/91 School of Agriculture
Duration 12 Weeks West Mains Road
Language E Edinburgh EH9 3JG, UK
Fees 4,250 British pounds; accommodations extra 500 Bp

Phone 031-667-1041 X375
Fax 031-667-2601
Telex 727617 ESCA G

Designed for holders of Degrees or Diplomas in forestry, agriculture and allied subjects. This course provides vocational training for the introduction or improvement of agroforestry systems, community forestry, farm woodlands, silvopastoral systems and other compatible mixtures. An optional 2-week unit provides valuable instruction in mounting on-farm trails.
Keywords TROPICAL, AGROFORESTRY

Tropical Forest Management
University of Edinburgh

511

Edinburgh, Scotland, Europe

Begins 07/02/91 Hamish Macandrew or Edith Field
Deadline 06/01/91 Unived Technologies Ltd.
Duration 12 Weeks 16 Buccleuch Place
Language E EH8 9JN, Scotland, UK, Europe
Fees 4,250 British pounds; accommodations extra 500 British pounds

Phone 031 650 3476/3
Fax 031-662-4061
Telex 727442 (UNIVED G)

Designed for graduates in forestry, biological subjects or economics, and for holders of Forestry Diplomas with 2-10 years experience in tropical forestry. This course provides in-service training in modern managerial skills for foresters involved in tropical or subtropical countries. It provides skills training in the collection, analysis and utilisation of data and an understanding of instructional methods for training other forest workers.
Keywords TROPICAL, FORESTRY

Irrigation System Management (AWR 02)
Asian Institute of Technology

512

Bangkok, Thailand, Asia

Begins 07/01/91 The Director, Continuing Education Center
Deadline 05/01/91 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Contents: integrated management approach; soil-water-plant atmosphere systems; agrometeorology; crop response to irrigation; soil and land capability classification; evapotranspiration land irrigation water requirements; management of upland crops and wet land rice; feasibility, testing and design; salinity and drainage; scheduling/monitoring; socio-economic aspects; computer applications; operation and maintenance. Designed for irrigation engineers and agricultural scientists.
Keywords IRRIGATION, WATER

Microcomputer Applications in Water Management (AWR 03)
Asian Institute of Technology

513

Bangkok, Thailand, Asia

Begins 07/01/91 The Director, Continuing Education Center
Deadline 05/15/91 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Course aims primarily to improve water management through use of microcomputers. Due to widespread availability of inexpensive microcomputer hardware, engineers and planners can have access to programming and processing techniques for proper utilization and management of water resources. Designed for irrigation and agricultural engineers.
Keywords COMPUTER, WATER, IRRIGATION

Production, Postharvest Physiology, Handling and Processing of Tropical Fruits

514

University of Hawaii

Honolulu, Hawaii, USA

Begins 07/01/91
Deadline 06/01/91
Duration 4 Weeks
Language
Fees not available

College of Trop Ag & Human Res, Univ. of Hawaii
 Gilmore Hall, Rm. 214, 3050 Maile Way
 Honolulu, HI 96822, USA

Phone
Fax
Telex

Keywords POSTHARVEST, TROPICAL, FRUIT, PRODUCTION**Microcomputer Applications in Irrigation Data and Project Management**

515

Colorado State University

Fort Collins, Colorado, USA

Begins 07/01/91
Deadline 06/01/91
Duration 4 Weeks
Language E
Fees 4,825 US\$; exclusive of room and board

International Institute for Civil Engineering
 IICE
 Fort Collins, CO 80523, USA

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Designed for water management specialists - computer experience not required. Course will develop computer skills for use in irrigation data and project management. Aspects of irrigation data management to be included are planning, collection, storage, analysis and report presentation. Includes intensive and extended computer lab experience and will cover basic skills, concepts, functions and data input using LOTUS 123, dBASE, Timeline and WordPerfect. Learn software and their applications to irrigation water management.

Keywords COMPUTER, IRRIGATION, WATER**Introduction to Statistical Research Design**

516

University of Michigan

Ann Arbor, Michigan, USA

Begins 07/01/91
Deadline 05/01/91
Duration 4 Weeks
Language E
Fees not available

Ms. Susan Sherry, Program Coordinator
 2035 Dana Building
 University of Michigan
 Ann Arbor, Michigan 48109-1115, USA

Phone 313-764-6595
Fax 313-951-1462
Telex

Provides a basic introduction to concepts of research design and statistical reasoning, and various survey research designs are evaluated within a statistical framework.

Keywords STATISTICS, RESEARCH, DESIGN**Introduction to Survey Research**

517

University of Michigan

Ann Arbor, Michigan, USA

Begins 07/01/91
Deadline 05/01/91
Duration 4 Weeks
Language E
Fees not available

Ms. Susan Sherry, Program Coordinator
 2035 Dana Building
 University of Michigan
 Ann Arbor, Michigan 48109-1115, USA

Phone 313-764-6595
Fax 313-951-1462
Telex

This course is an overview of the major steps undertaken to conduct a sample survey, emphasizing the practical application of knowledge regarding survey design and data collection. This course normally contains a research practicum in which students participate in a sample survey conducted by the course instructors.

Keywords SURVEY, RESEARCH, STATISTICS**Methods of Survey Sampling**

518

University of Michigan

Ann Arbor, Michigan, USA

Begins 07/01/91
Deadline 05/01/91
Duration 4 Weeks
Language E
Fees not available

Ms. Susan Sherry, Program Coordinator
 2035 Dana Building
 University of Michigan
 Ann Arbor, Michigan 48109-1115, USA

Phone 313-764-6595
Fax 313-951-1462
Telex

This is an introductory course in applied survey sampling, emphasizing practical issues in drawing samples for survey designs.

Keywords SURVEY, DESIGN, STATISTICS

Questionnaire Design

University of Michigan

Ann Arbor, Michigan, USA

519

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course focuses on design of questions used in sample surveys and practical issues that arise in application. Topics include the use of focus groups, structured vs. unstructured interviews, question form and wording, and "contextual" effects.
Keywords DESIGN, SURVEY, STATISTICS

Analysis of Survey Data-I

University of Michigan

Ann Arbor, Michigan, USA

520

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course covers the logic and methods of analyzing survey data, including measurement theory, index and scale construction, and an introduction to multivariate analysis. Advanced course also offered.
Keywords ANALYSIS, SURVEY

Computer Analysis of Survey Data

University of Michigan

Ann Arbor, Michigan, USA

521

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course is also designed to follow Analysis of Survey Data I. It covers the use of statistical packages (such as SPSS-X and OSIRIS) for the computer analysis of survey data.
Keywords COMPUTER, ANALYSIS, SURVEY, DATA

Design of Evaluation Research

University of Michigan

Ann Arbor, Michigan, USA

522

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course presents various ways in which inferences can be strengthened in observational studies and quasi-experimental survey designs, where the primary objective is evaluation of social policy and/or program effectiveness.
Keywords DESIGN, EVALUATION, RESEARCH

Design of Telephone and Mail Surveys

University of Michigan

Ann Arbor, Michigan, USA

523

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course offers training in the practical aspects of conducting surveys using mail and telephone methods, and the potential for combining aspects of these methods with one another and with face-to-face interview methods.
Keywords DESIGN, SURVEY

Cognitive Psychology and Survey Methods

University of Michigan

Ann Arbor, Michigan, USA

524

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115, USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course exposes students to general theories of cognitive processes and the application of knowledge from cognitive psychology to the study of aspects of question-answering in surveys.
Keywords SURVEY

Longitudinal Survey Design and Analysis

525

University of Michigan

Ann Arbor, Michigan , USA

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115 , USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course focuses on the special design and analysis issues that occur in the use of longitudinal surveys, both repeated cross-sectional surveys and panel or reinterview surveys.

Keywords SURVEY, DESIGN, ANALYSIS, STATISTICS

Event History Design and Analysis

526

University of Michigan

Ann Arbor, Michigan , USA

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115 , USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course covers the use of event history data, recording the timing and duration of life experiences, in "regression-like" models, commonly known as "hazard rate" or "proportional-hazards" models, in which the focus is on the explanation of variation in the likelihood of an event occurring in a given interval of time.

Keywords DESIGN, ANALYSIS, STATISTICS

Reducing Errors in Surveys

527

University of Michigan

Ann Arbor, Michigan , USA

Begins 07/01/91 Ms. Susan Sherry, Program Coordinator
Deadline 05/01/91 2035 Dana Building
Duration 4 Weeks University of Michigan
Language E Ann Arbor, Michigan 48109-1115 , USA
Fees not available

Phone 313-764-6595
Fax 313-951-1462
Telex

This course covers the basic components of survey quality and the practical means for reducing errors in surveys within a cost/benefit framework.

Keywords SURVEY, STATISTICS

Irrigated Vegetable Production for Developing Countries

528

New Mexico State University

Las Cruces, New Mexico , USA

Begins 07/01/91 Assistant Director, Center for International Prog.
Deadline 04/01/91 Box 30001, Department 3557
Duration 4 Weeks New Mexico State University
Language E/S Las Cruces, NM 88003-3567 , USA
Fees 2,400 US\$; registration, tuition, materials and field transportation

Phone 505-646-4735
Fax
Telex 9109830549

Irrigation system design; irrigation system evaluation; irrigation scheduling; design of pumps and wells; water measurement; selecting an irrigation method; vegetable physiology, morphology and classification; site characteristics and preparation; planting; water and nutrient management; pest management; harvesting and handling; intercropping.

Keywords IRRIGATION, VEGETABLE

Agricultural Extension Technology in the Tropics

529

University of Edinburgh

Edinburgh, Scotland , Europe

Begins 07/01/91 TROPAG Office
Deadline 06/01/91 School of Agriculture
Duration 16 Weeks West Mains Road
Language E Edinburgh EH9 3JG , UK
Fees 3,870 British pounds; accommodations extra 500 Bp

Phone 031-667-1041 X375
Fax 031-667-2601
Telex 727617 ESCA G

Designed to provide comprehensive training for graduate and postgraduate scientists, agricultural technologists and advisors, extension workers and administrators in government, commercial and international agencies. The course aims to develop an understanding of potential barriers to change in rural communities, to equip participants with the necessary communications skills and to motivate them to train colleagues in their own country.

Keywords EXTENSION, TROPICAL

Robotics

530

California State Polytechnic University

Pomona, California, USA

Begins 07/01/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 05/01/91 International Center
Duration 4 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9176811478

Trainees will receive hands-on experience in operating a robotic manipulator. They will gain experience with four different programs through direct experiment. They also learn how to operate the robot with the teach pendant, lead-through teaching, up-loading and down-loading of programs.

Keywords COMPUTER

Soil Testing, Soil Fertility Management and Conservation

531

Auburn University

Auburn, Alabama, USA

Begins 07/11/91 Pierre Rosseau, Agronomy & Soils Department
Deadline 06/01/91 202 Funchess Hall
Duration 4 Weeks
Language E Auburn University, Alabama 36849-5412, USA
Fees 3,000 US\$; exclusive of room and board

Phone 205-844-4100
Fax 205-844-3945
Telex

The program will start with a general overview of basic soil science principles to homogenize the group of participants. Whenever possible, the curriculum will include both practical, as well as theoretical aspects of the subject topic. Practical exercises will include either or both field activities and group discussions about experimental results from various research projects in the department. The curriculum will be flexible in order to allow to incorporate topics of particular interest to the participants. Hands on experience will be provided during field activities.

Keywords SOIL, FERTILIZER, MANAGEMENT, CONSERVATION

Tenure and Management of Natural Resources in Sub-Saharan Africa

532

University of Wisconsin-Madison

Madison, Wisconsin, USA

Begins 07/01/91 Dr. Steven W. Lawry
Deadline 05/01/91 Land Tenure Center
Duration 5 Weeks 1300 University Avenue
Language E Madison, Wisconsin 53706, USA
Fees 3,400 US\$; includes tuition, materials, housing and field trip trans

Phone
Fax 608-262-2141
Telex

This course is intended for professionals from African countries responsible for policy-making, project design, socioeconomic research and management of natural resource programs. Participants complete a project related to tenure and resource management issues in their home countries and also take a field trip to examine public land management issues in Wisconsin.

Keywords MANAGEMENT, NATURAL RESOURCES

Engineering Professional Development Update

533

University of Wisconsin

Madison, Wisconsin, USA

Begins 07/00/91
Deadline 00/00/00 432 North Lake Street
Duration University of Wisconsin
Language Madison, Wisconsin 53706, USA
Fees

Phone 800-263-3160
Fax 608-263-3160
Telex

Includes several courses for: Hazardous Waste Management; Solid Waste Collection/Recycling/Disposal; Storm Water Runoff/Collection/Control; Wastewater Collection/Treatment; Water Supply and Distribution; Air Quality. For more information, contact the address above.

Keywords CATALOG, ENGINEERING

Entrepreneurship for Development

534

Management Training and Development Institute

Washington, D.C., USA

Begins 06/30/91 Dr. Robert C. Morris
Deadline 05/30/91 P.O. Box 23975
Duration 2 Weeks
Language E Washington, DC 20026, USA
Fees 1,420 US\$; exclusive of room and board

Phone 202-646-7910
Fax 202-646-7911
Telex

Seminar aimed at enhancing potential successes at initiating and managing small businesses in developing countries. Designed to help public and private sector professionals behave in a more entrepreneurial manner. Key topics include: assessment of entrepreneurial potential; business skills; gaining support; business management.

Keywords ENTERPRISE, BUSINESS, DEVELOPMENT, LEADERSHIP

Use of Futures and Speculative Markets in International Commodity Trading 536
University of Illinois Urbana, Illinois, USA

Begins 06/30/91 Dr. Anthony B. Soskin, International Agribusiness **Phone** 217-333-8808
Deadline 05/01/91 College of Veterinary Medicine **Fax** 217-333-5538
Duration 3 Weeks 2001 S. Lincoln Drive **Telex** 20695INTAGURBA
Language E Urbana, IL 61801, USA
Fees 2,875 US\$; housing, meals and int'l transportation not included

Understanding futures markets, identify their economic functions, usefulness and performance for risk management, in an int'l context. Concepts of cash-futures price relationships will be applied in risk management situations. Alternative hedging and contracting strategies in managing price risks. Participants will be provided with detailed, timely and pragmatic techniques for managing risks in today's dynamic int'l market. Visit futures exchanges in Chicago and meetings with major firms which utilize these markets for risk management.

Keywords AGRIBUSINESS, MARKETING, MANAGEMENT

Biogeography: Patterns of Ecological Diversity 536
Aprovecho Institute Cairns, Australia

Begins 06/28/91 Admissions Department **Phone** 508-927-7777
Deadline 00/00/00 Aprovecho Institute **Fax**
Duration 6 Weeks 86574 Hazelton Road **Telex**
Language E Cottage Grove, OR 97424, USA
Fees 2,980 US\$ + \$100 registration fee

To gain insight into diversity of plant/herbivore interactions within biogeographically unique ecosystems involving rare host plants and endemic marsupials by identifying patterns of bird and herbivorous marsupials occurrence within habitats disturbed by logging; and to begin testing predictions of species recovery from forest disruption.

Keywords GEOGRAPHY, ECOLOGY, WILDLIFE

Tropical Deforestation: Threats to Biological Diversity 537
The School for Field Studies Center for Rainforest Studies, Australia

Begins 06/28/91 Admissions Department **Phone** 508-927-7777
Deadline 04/28/91 16 Broadway **Fax**
Duration 6 Weeks **Telex**
Language E Beverly, MA 01915, USA
Fees 2,980 US\$

The purpose of this course is: to investigate impacts of deforestation, habitat fragmentation and selective logging on tropical forest biotas; to document the effects of intensive land uses on Australian marsupials, birds, reptiles and amphibians. Additional course offered 06/28/92.

Keywords TROPICAL, FORESTRY

Human Resource Management (MI 04) 538
Asian Institute of Technology Bangkok, Thailand, Asia

Begins 06/26/91 The Director, Continuing Education Center **Phone** 529-0100-13 x2136
Deadline 05/01/91 GPO Box 2754 **Fax** 66-2-529-0374
Duration 2 Weeks **Telex** 84276 AIT TH
Language E Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Objective: improve skills related to organizational manpower planning, training and development planning, team building and appraising individual and group performance. Contents: psychology of human behavior; organization structure/design; manpower planning; individual-task capability; personnel selection and training; appraisal; motivation; quality of work life. Designed for p-level executives of public and private organizations.

Keywords MANAGEMENT, HUMAN RESOURCES, PERSONNEL

Rural Development Forestry 539
University of Oxford Oxford, UK, Europe

Begins 06/26/91 Course Coordinator, Dept. of Plant Sciences **Phone**
Deadline 04/26/91 Department of Plant Sciences **Fax** 44-865-276074
Duration 3 Months South Parks Road **Telex**
Language E Oxford OX1 3RB, UK, Europe
Fees not available

This specialist forestry course gives the participant the benefit of qualified and experienced staff and a learning environment within which to work out the potential of social forestry and agroforestry and the problems faced during project implementation.

Keywords RURAL, DEVELOPMENT, FORESTRY

Strategic Management Workshop

California State Polytechnic University

Pomona, California, USA

540

Begins 06/24/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 04/24/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

Workshop introduces complex business and administrative situations involving problems in personnel, organization, marketing, production and accounting and finance. It focuses on increasing the participants' abilities to integrate knowledge and skills drawn from past experiences.

Keywords MANAGEMENT, ADMINISTRATION**Management of Agricultural Research (140-24)**

United States Department of Agriculture

Washington, D.C., USA

541

Begins 06/24/91 Veronica Priddy
Deadline 04/24/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 4,206 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Course focuses on ways agricultural research is organized, funded and managed in various countries and on problems of research management being experienced in participants' home countries. Topics include: the research environment; defining research needs and priorities; development of comprehensive and integrated research plan; effective use of resources; use of research results; proposal writing and networking.

Keywords MANAGEMENT, RESEARCH**Cooperative Executive Development**

Agricultural Cooperative Development International

Washington, D.C. and Charlotte, North Carolina, USA

542

Begins 06/24/91 Education and Training Department
Deadline 05/01/91 50 F Street N.W., Suite 900
Duration 5 Weeks
Language E Washington, D.C. 20001, USA
Fees 3,000 US\$; maintenance \$4,000 extra

Phone 202-638-4661
Fax 202-626-8726
Telex 160923

Topics: management principles and procedures relevant to developing organizations; human resource management and motivation; processes of improving management practices within each participant's organization; strategic and operational planning.

Keywords COOPERATIVE, PERSONNEL, MANAGEMENT**Agroindustrial Project Analysis (140-4)**

Kansas State University

Kansas State/Manhattan, USA

543

Begins 06/24/91 Steve Peel, PM 145
Deadline 06/04/91 Weber Hall
Duration 6 Weeks Kansas State University
Language E Manhattan, KS 66506, USA
Fees 3,535 US\$; extra \$2,550 for maintenance allowance

Phone
Fax
Telex 7400228 CDOP UC

Course developed to increase skills in: critical issues of agroindustrial project analysis relating to marketing, procurements and processing; techniques available to analyze the operational, economic, financial and social feasibility of a potential project. Designed for persons involved in the design and analysis of small- and medium-scale agroindustrial projects.

Keywords ANALYSIS, MARKETING, AGRIBUSINESS**Agribusiness Management**

Santa Clara University

Santa Clara, California, USA

544

Begins 06/24/91 Dr. Greg A. Baker
Deadline 05/01/91 Institute of Agribusiness
Duration 6 Weeks Santa Clara University
Language E/(S/F TRANS) Santa Clara, CA 95053, USA
Fees 5,200 US\$; extra 2,050 US\$ for room and board

Phone 408-554-4086
Fax 408-554-4571
Telex

Designed specifically for students from developing countries who wish to learn the tools of modern agribusiness management. The programs consist of: financial management and control of enterprise; agribusiness marketing management and international agribusiness marketing; agribusiness production management and quality control. Includes field trips and executive management lectures on: communication skills for managers; strategic planning; getting things done through people; responding to social issues in developing countries; improving the organizational structure; resources, technology and economic development.

Keywords AGRIBUSINESS, MANAGEMENT

Summer Agribusiness Management Program

545

Santa Clara University

Santa Clara, California, USA

Begins 06/24/91 Dr. Greg A. Baker
Deadline 05/01/91 Institute of Agribusiness
Duration 6 Weeks Santa Clara University
Language E Santa Clara, CA 95053, USA
Fees 5,200 US\$; all expenses paid except health insurance

Phone 408-554-4086
Fax 408-554-4671
Telex

Special help given to students who speak French, Italian, Spanish, or Portuguese. For students from developing countries who wish to learn agribusiness management. The program will be organized in three courses: 1) Financial Management and Control of the Agribusiness Enterprise 2) Agribusiness Marketing Management and International Agribusiness Marketing 3) Agribusiness Production Management and Quality Control. Field trips allow students to visit leading agribusiness firms.

Keywords AGRIBUSINESS, MANAGEMENT**Communication for Social Change**

546

Cornell University

Ithaca, New York, USA

Begins 06/24/91 James E. Haldeman, Chief
Deadline 04/01/91 Department of Communication
Duration 6 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853, USA
Fees 1,055 US\$; exclusive of room and board

Phone 607-255-3035
Fax 607-255-1005
Telex 559020 INTAG CORNELL

This seminar course provides a comparative analysis of communication problems and perspectives related to social change, with emphasis on Third World issues. The focus will be on communication policy and planning at the local, national and international level. The seminar uses case studies and experience of the participants to emphasize the relevance of the discussions to contemporary situations.

Keywords COMMUNICATION, PLANNING**Video Communication (II)**

547

Cornell University

Ithaca, New York, USA

Begins 06/24/91 James E. Haldeman, Chief
Deadline 05/01/91 Department of Communication
Duration 6 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853, USA
Fees 1,055 US\$; exclusive of room and board

Phone 607-255-3035
Fax 607-255-1005
Telex 559020 INTAG CORNELL

This course builds on the Video Communication I foundation to develop understanding and skills related to participatory message construction in the development context. The theory of participation will be translated into real-life action as teams work cooperatively with local rural groups to produce video tapes designed to assist the groups to identify and meet development objectives.

Keywords VIDEO, COMMUNICATION**GRASS for Resource Analysis**

548

Colorado State University - Conference Services

Fort Collins, Colorado, USA

Begins 06/24/91 College of Forestry and Natural Resources
Deadline 04/24/91 Office of Conference Services
Duration 5 Days Colorado State University
Language E Ft. Collins, CO 80523, USA
Fees 795 US\$; registration fee

Phone 303-491-7501
Fax
Telex

This workshop is designed to give professionals in a variety of fields a working knowledge of the new GRASS geographic information system software. Primary focus is on extensive hands-on use of the full range of GRASS tools. Course topics include: using GRASS tools to obtain data and perform map algebra; utilize interactive graphics; obtain hard-copy output; develop GRASS macros. Additional course 8/5/91 and 11/11/91.

Keywords COMPUTER, GEOGRAPHY, NATURAL RESOURCES**The Role of Women in Development**

549

California State Polytechnic University

Pomona, California, USA

Begins 06/24/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 05/01/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language F Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

Participants will develop a range of knowledge and skills relevant to their management of small business, professional development, resource use, household finances and community development projects. Special attention is given to the growth of communication and organization skills. Additional course offered in English on 07/22/91.

Keywords GENDER, DEVELOPMENT

Activated Sludge Process Control

550

Colorado State University

Fort Collins, Colorado, USA

Begins 06/24/91 Department of Civil Engineering
Deadline 04/24/91 IICE
Duration 1 Week
Language E Fort Collins, CO 80523, USA
Fees not available

Phone
Fax
Telex

not available

Keywords WASTE**Agroindustrial Project Analysis**

551

United States Department of Agriculture

Kansas State University/Manhattan, USA

Begins 06/24/91 Veronica Priddy
Deadline 04/24/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,506 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Topics of this course include: 1) defining agroindustrial projects; 2) the role of agroindustrial projects in economic development; 3) defining steps in project analysis and market analysis; 4) analyzing procurement and processing operations; 5) determining information needs; 6) analyzing technical, economic and financial elements; 7) calculating internal rates of return and return on investment; 8) identifying socioeconomic and institutional issues.

Keywords ANALYSIS, AGRIBUSINESS, PROJECT**Microcomputer Applications in Agricultural Development**

552

United States Department of Agriculture

Oklahoma State University/Tulsa, USA

Begins 06/24/91 Veronica Priddy
Deadline 04/24/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept. of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,962 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Topics of this course include: 1) maintaining data banks; 2) developing budgets, projections and analysis of cost effectiveness; 3) using software to do spreadsheet analysis, construction, maintenance and management of a data base; 4) monitoring progress and compiling analytical information for decisionmaking.

Keywords COMPUTER, AGRICULTURE, DEVELOPMENT**Food and Nutrition Planning**

553

The University of the West Indies

St. Augustine, Trinidad, North America

Begins 06/24/91 The Programme Coordinator
Deadline 04/24/91 Tropical Agricultural Technology Training Unit
Duration 4 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 1,900 US\$; extra 1,000 US\$ room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Objectives: a working knowledge of the nutrient and food requirements of Caribbean peoples; a good understanding of the techniques for assessing food and nutrition status at the community, national and regional levels; acquire current statistical information on the food and nutrition in the region and the ability to update the data base; develop skills in formulating and evaluating policies and programmes; enhance their capacity for intersectoral cooperation in food and nutrition

Keywords FOOD SCIENCE, NUTRITION, PLANNING**Facilitator Training Program**

554

Training Resources Group

Alexandria, Virginia, USA

Begins 06/23/91 Lynn Grosz
Deadline 05/01/91 Facilitator Training Program, TRG
Duration 1 Week 1021 Prince Street
Language E Alexandria, Virginia 22314, USA
Fees 1,095 US\$; group discounts available, exclusive of room and board

Phone 703-548-3535
Fax
Telex

Learn: to identify strengths and weaknesses of different trainer styles and be effective at matching their own style to different training situations; to apply a basic design approach to the planning of training sessions; to use the experiential model and methods in their own training design and delivery; to use sound group facilitation skills; to develop recovery skills for handling unexpected or problematic situations; to assess training situations and give effective, performance-based feedback; to evaluate your own skill levels and to develop a clear follow-up plan for applying new skills; to optimize group participation; to increase self-confidence; to enhance training delivery skills. Additional course offered 08/11/91, 10/06/91 and 01/12/92. Courses also available in Conflict Management Training and Facilitating Effective Meetings.

Keywords LEADERSHIP, TRAINING

Environmental Site Assessments

555

National Water Well Association

Clearwater Beach, Florida , USA

Begins 06/21/91
Deadline 04/21/91
Duration 1 Day 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 245 US\$; exclusive of room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

The course will concentrate on the role environmental site assessments play in real estate transactions. Topics that will be addressed include: history of environmental property assessments; legal and environmental history; client/consultant relationships; proposal preparation; project startup; record/document review; site visit; verbal report; written report; handling problems; consultants' responsibilities; legal vs. technical issues.

Keywords ENVIRONMENT, WATER**Theory and Application of Surface Geophysics to Ground Water Investigations**

556

National Water Well Association

Clearwater Beach, Florida , USA

Begins 06/19/91
Deadline 04/16/91
Duration 2 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 595 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

Instruction will concentrate on: ground penetrating radar; electromagnetics; resistivity; seismic refraction and reflection; magnetics; gravity. For each technique, the following issues will be addressed: what it measures; how it works; what it looks like in the field; raw data; interpretation; examples of data; pros and cons. Time will also be allotted for overviews of airborne and borehole techniques.

Keywords WATER**Wildlife Management**

557

The School for Field Studies

Center for Wildlife Management Studies,
Kenya , Africa

Begins 06/18/91 Admissions Office
Deadline 04/18/91 16 Broadway
Duration 4 Weeks
Language E Beverly, MA 01915 , USA
Fees 2,650 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

To compare the population dynamics and water conservation strategies of large mammals in hunted populations on a game cropping ranch with those of protected populations in national parks; to assess the long term implications of game ranching as a wildlife management technique. Additional courses offered 07/24/91, 06/18/92 and 07/24/92.

Keywords WILDLIFE, MANAGEMENT**Ethnobotany: Uses of Plants by Native Peoples**

558

The School for Field Studies

Quito, Ecuador , South America

Begins 06/18/91 Admissions Office
Deadline 04/18/91 16 Broadway
Duration 4 Weeks
Language E Beverly, MA 01915 , USA
Fees 2,230 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

Advanced lectures will cover: biochemistry of plant alkaloids; the isolation and concentration of active plant products; introduction of ethnobotany and anthropological methods; descriptions of impacts of deforestation on people and plants. Additional courses offered 07/24/91, 06/18/92 and 07/24/92.

Keywords PLANT SCIENCE**Tropical Cloud Forest Ecology**

559

The School for Field Studies

Monteverde , Costa Rica

Begins 06/18/91 Admissions Office
Deadline 04/18/91 16 Broadway
Duration 4 Weeks
Language E Beverly, MA 01915 , USA
Fees 2,230 US\$; additional \$100 registration fee

Phone 508-927-7777
Fax
Telex

To determine the reproductive success and pollination rate of key plant species in deforested areas of varying size; to assess how rate of regeneration affects the genetic diversity of disturbed species in a tropical rain forest. Additional course offered 07/24/91, 06/18/92 and 07/24/92.

Keywords TROPICAL, ECOLOGY, FORESTRY

Tropical River Ecology
The School for Field Studies

560

Pelize, Sittce River, Belize River, Cent.
America

Begins 06/18/91 Admissions Department
Deadline 04/18/91 16 Broadway
Duration 4 Weeks
Language E Beverly, MA 01915, USA
Fees 2,280 US\$; additional \$100 for registration fees

Phone 508-927-7777
Fax
Telex

To describe the structure and function of a tropical river ecosystem in order to evaluate the "health" of the river and indirectly its watershed; to develop recommendations for river conservation to protect rivers from the impacts of land-use changes. Additional courses offered 07/24/91, 06/18/92 and 07/24/92.

Keywords TROPICAL, ECOLOGY, WATER, NATURAL RESOURCES

Microbial Processes in the Degradation of Ground Water Contaminants

561

National Water Well Association

Clearwater Beach, Florida, USA

Begins 06/18/91
Deadline 05/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 695 US\$; excluding lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

This course is designed to eliminate any confusion surrounding biological treatment and replace it with a fundamental understanding of various processes. You will receive instruction on microbial, physical-chemical, and operations issues that control the application of biological techniques. Emphasis will be placed on in situ bioremediation.

Keywords WATER, SOIL

Hazardous Materials/Waste Manager Training Course

562

Colorado State University

Fort Collins, Colorado, USA

Begins 06/18/91 Department of Civil Engineering
Deadline 04/18/91 IICE
Duration 3 Days
Language E Fort Collins, CO 80523, USA
Fees not available

Phone
Fax
Telex

not available

Keywords WASTE

Symposium of Forest Harvesting in Southeast Asia

563

Forest Engineering Incorporated

Singapore, Asia

Begins 06/18/91
Deadline 04/18/91 620 Southwest Fourth Street
Duration 3 Days
Language Corvallis, Oregon 97333-4428, USA
Fees not available

Phone
Fax
Telex

Keywords FORESTRY, POSTHARVEST

Chemical Detection, Measurement and Monitoring

564

University of Wisconsin

Madison, Wisconsin, USA

Begins 06/18/91
Deadline 04/18/91 Engineering Information, The Wisconsin Center
Duration 2 Days 702 Langdon Street, University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 525 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This intensive course is your opportunity to stay current in the field of chemical analyses. It will increase your understanding of the available and emerging techniques used to detect, measure and monitor chemicals, the advantages and disadvantages of the techniques and how you can put them to work for your benefit.

Keywords MONITORING, ANALYSIS

Mapping Marine Ecosystems

The School for Field Studies

565

Center for Marine Ecosystems Studies,
Caribbean

Begins 06/18/91 Admissions Department
Deadline 04/18/91 16 Broadway
Duration 4 Weeks
Language E Beverly, MA 01915, USA
Fees 2,370 US\$

Phone 508-927-7777
Fax
Telex

The purpose of this course is: to test the potential of using remote sensing techniques to map the marine habitats surrounding South Caicos and East Caicos Islands; to produce high-resolution habitat maps on a biologically-meaningful scale to assist resource managers in identifying habitats suitable for nurturing lobster and conch populations and habitats potentially impacted by proposed development on South Caicos Island. Additional courses offered 07/24/91, 06/18/92 and 07/24/92.

Keywords MAPPING, MARINE**Modern Methods for Managing Multiple Small Projects**

The Center for Professional Advancement

566

Houston, Texas, USA

Begins 06/18/91 The Registrar
Deadline 04/18/91 P. O. Box 964
Duration 4 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 1,440 US\$; exclusive of room and board

Phone 908-613-4535
Fax 908-238-9113
Telex 139303

This course provides in-depth training in the latest project and resource management techniques, and particularly in the use of personal computers. The course covers the principles of project management as they apply to small projects. Planning, scheduling, progress measurement and forecasting are covered in detail. Practical workshops with hands-on training using state-of-the-art project management software are used to assure a solid grasp of methods learned. Additional course offered 07/22/91 in Central New Jersey.

Keywords MANAGEMENT, COMPUTER**Integrated Pest Management (130-8)**

United States Department of Agriculture

567

Oregon State University/Corvallis, USA

Begins 06/17/91 Veronica Priddy
Deadline 04/17/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,995 US\$; extra \$2,650 for maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Emphasizes how IPM can better unite basic research with an extension delivery system. Application of IPM principles to small farms will be addressed. Participants will work individually with specialists in either basic research, extension and/or systems research. Participants will develop an IPM model for their own country. Topics include: identification of pests; tactics for control; determination of economic threshold for each pest.

Keywords DISEASE, PEST**Design and Management of Local Irrigation Organizations**

Colorado State University-CIIM

568

Fort Collins, Colorado, USA

Begins 06/17/91 Colorado Institute for Irrigation Management
Deadline 05/15/91 410 University Services
Duration 4 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 4,000 US\$; exclusive of room and board

Phone 303-491-2293
Fax
Telex 9109309011 CSU CID FTCN

Water supplies provided by main system management must be reconciled with farmer water demands. Organizational arrangements between main system managers and farmers fundamentally determine extent to which water supplies will be productively utilized by farmers, and extent to which farmers will provide resources to maintain irrigation systems. Course shows how to design effective local level irrigation organizations to improve irrigation performance of main system management and farmers. ANNUALLY

Keywords IRRIGATION, WATER, DESIGN

Agricultural Statistics Short Course

569

University of Nebraska-Lincoln

Lincoln, Nebraska, USA

Begins 06/17/91 International Programs Office
Deadline 04/31/91 110 Agricultural Hall
Duration 3 Weeks
Language E Lincoln, Nebraska 68588-0706, USA
Fees 2,250 USD; 3,000 if attending optional 1 week SAS Workshop

Phone 402-472-2758
Fax 402-472-2759
Telex

Problems of design and analysis of agricultural experiments. History of experimental designs, local control of extraneous variables, classical statistical designs such as block designs, factorial designs, fractional replications, variations of split plot designs, designs for regression models, analysis of on-farm trials, and general mixed model analysis. Innovative ways to control for and to reduce spatial variability including nearest neighbor analysis, spacial correlation, semivariograms, and kriging. 1 Week SAS Workshop on 06/10/91 for \$750 is also available.

Keywords STATISTICS, DATA**The American Experience**

570

Graduate School, USDA

Washington, D.C., USA

Begins 06/17/91 Coordinator
Deadline 04/01/91 International Education and Training
Duration 5 Days 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 800 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

This program provides the opportunity for international visitors to learn more about America, her people and the American way of life. Through classroom seminars, guided tours, meetings, observational study and a dinner at the home of an American family, participants in the program will increase their understanding of the historical, political, social and economic processes which bind the American people together.

Keywords TOUR, ENGLISH**Studies in Symbiosis: Humans Guide and Honeyguides**

571

The School for Field Studies

Sololo, Various Kenya Places, Kenya

Begins 06/17/91 Admissions Department
Deadline 05/01/91 16 Broadway
Duration 5 Weeks
Language E Beverly, MA 01915, USA
Fees 2,650 US\$

Phone 508-927-7777
Fax
Telex

The purpose course is: to study the Greater Honeyguide, its symbiotic relationship with humans, changes occurring in its natural habitat and the long-term implications for its survival in Kenya; to investigate cultural and economic factors affecting human populations which may have an impact on the Honeyguide and its survival. Additional courses 07/24/91, 06/17/92 and 07/24/92.

Keywords WILDLIFE**Measuring the Unmeasurable: Non-Market Effects and Public Policy Evaluation**

572

Massachusetts Institute of Technology

Cambridge, Massachusetts, USA

Begins 06/17/91 Summer Session Office, Room E19-356
Deadline 05/01/91 Massachusetts Institute of Technology
Duration 1 Week 50 Ames Street
Language E Cambridge, MA 02139, USA
Fees 950 US\$

Phone 617-253-2101
Fax 617-253-8042
Telex 921473 MIT CAM

This course will examine in detail the evaluation of four of the most important non-market effects which should be a part of cost/benefit analysis for investment project appraisal and government assessment of expenditures. The impact of the value of time lost or gained, the value of "Nature", the quality of the human environment and the cost of human disability and death are often more important than the observation market dimensions which form the basis of traditional evaluations.

Keywords EVALUATION, ECONOMICS, ANALYSIS**Inter-Cultural Communication I: Cultural Factors in Working with Americans**

573

California State Polytechnic University

Pomona, California, USA

Begins 06/17/91 Dr. Dorothy D. Wills, Int'l Training Coordinator
Deadline 04/17/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3992
Fax 714-869-3282
Telex 9105811478

International participants will develop skills and knowledge relevant to any inter-personal contact or relations with Americans (whether in business, education, travel or government) with the aim of improving communication.

Keywords COMMUNICATION, CULTURE

Regional Conference on Agroforestry Research

574

International Council for Research in Agroforestry

Walahi , Africa

Begins 06/17/91
Deadline 04/17/91
Duration 1 Week
Language E
Fees not available

Training Programme Coordinator
 International Council For Research in Agroforestry
 P.O. Box 30677
 Nairobi, Kenya , Africa

Phone
Fax 254-2-521001
Telex

Keywords AGROFORESTRY, RESEARCH**International Extension Field School**

575

University of Missouri

Various Places in Missouri , USA

Begins 06/17/91 Dr. Thomas Billings
Deadline 04/17/91 College of Agriculture
Duration 4 Weeks 223 Gentry Hall
Language E Columbia, Missouri 65211 , USA
Fees 2,000 US\$; exclusive of room and board

Phone 314-882-4611
Fax 314-882-5127
Telex 704876 UM INTL AG UD/

This is a practical and hard hitting approach to learning how to design and run extension programs. New approaches to conducting extension programs are featured with special attention given to: farming systems; grassroots program development; integrated pest management; communication methods and skills.

Keywords EXTENSION, TOUP.**Forest Harvesting in Southeast Asia**

576

Oregon State University

Singapore , Asia

Begins 06/17/91 Forest Engineering, Inc.
Deadline 05/01/91 620 Southwest 4th Street
Duration 4 Days
Language E Corvallis, Oregon 97333 , USA
Fees not available

Phone 503-754-7558
Fax 503-754-7559
Telex

Objectives of the symposium are: to bring interested parties together to exchange ideas and knowledge about requirements for harvesting native and plantation forests; to exchange information about present forest harvesting techniques in the region; to examine and discuss new and different methods of harvesting to meet social and economic goals; to identify areas of needed investigation and development to meet changing requirements of the region.

Keywords FORESTRY, POSTHARVEST**Rural Dairy Processing**

577

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 06/17/91 Director of Training and Information
Deadline 03/01/91 P.O. Box 5689
Duration 4 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 2,500 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

Objectives: to refresh participant knowledge and understanding of milk chemistry and dairy economics; to acquaint participants with rural dairy processing models including technical, technological and economic considerations; to exchange experiences in milk processing techniques and equipment; to acquaint participants with communication skills; to familiarize participants with ILCA's research and training and promote contact and exchange of information between ILCA and NARS.

Keywords RURAL, DAIRY, ANIMAL PRODUCTION, CATTLE**Dairy Production**

578

Land O'Lakes

Minneapolis, Minnesota , USA

Begins 06/16/91 Manager, International Training
Deadline 04/16/91 P. O. Box 116
Duration 4 Weeks
Language E Minneapolis, MN 55440 , USA
Fees 3,935 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Key topics include: milk collection and sanitation; dairy herd health; feed formulation; artificial insemination; mastitis; housing and record keeping. Target audience: dairy farm owners; managers; extensionists; technicians.

Keywords ANIMAL SCIENCE, DAIRY, FOOD SCIENCE

On-Farm Irrigation Scheduling

579

Utah State University

Logan, Utah, USA

Begins 06/16/91 International Irrigation Center
Deadline 05/16/91
Duration 3 Weeks Utah State University
Language E/S Logan, UT 84322-1150, USA
Fees 2,225 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Concepts are presented for scheduling the amount and timing of water applications for the various irrigation methods. Introduction on various field moisture monitoring techniques. Participants gain understanding of how plant density, fertilizer application, climatic and other factors interact with irrigation to produce a given yield. Emphasis on on-farm irrigation water management. Also integrated approach for fertility recommendations, irrigation scheduling and pest management is demonstrated in the field. Additional course offered 06/14/92 for 2,225 US\$, also available upon request.

Keywords IRRIGATION, WATER

Buffer Zone Management for Neotropical Protected Areas

580

University for Peace

Escazu, Costa Rica, South America

Begins 06/13/91 Mr. James R. Barborak
Deadline 05/01/91 University for Peace
Duration 2 Weeks Apartado 199, 1250 Escazu
Language S San Jose, Costa Rica
Fees 2,000 US\$; plus airfare

Phone
Fax 506-491929/534227
Telex

The target participants are persons involved in development, university and technical school professors, conservationalists, resource planners and specialists in related fields.

Keywords NATURAL RESOURCES, TROPICAL, ECOLOGY

Hydrometry: a Course in the Measurement of Hydrological Variables

581

Central State University

Wilberforce, Ohio, USA

Begins 06/12/91 Dr. Okereke, Interim Director
Deadline 05/13/91 Int'l Center for Water Resources Management
Duration 2 Weeks 103 Banneker Hall
Language E Wilberforce, OH 45384, USA
Fees not available

Phone 513-376-6153
Fax 513-376-6530
Telex

Measurement and recording of meteorological and hydrologic data including precipitation, wind speed and direction, humidity, evaporation, infiltration, soil moisture content, stream flow, aquifer behavior, designing data collection networks and statistical analysis of hydrological data. 3 hours of field practical for each hour of classroom.

Keywords HYDROLOGY, ENGINEERING

Techniques of Hydrologic Investigations for International Participants

582

U.S. Geological Survey

Reston, Colorado Springs, Denver, USA

Begins 06/11/91 Anna Lenox, U.S. Geological Survey
Deadline 03/31/91 International Water Resources Program
Duration 10 Weeks 436 National Center
Language E Reston, VA 22092, USA
Fees 8,500 US\$

Phone 703-648-5053
Fax
Telex 160443 USGS UT

Techniques and methods for collecting hydrologic data and interpreting data to evaluate the water resources of an area or region. Includes hands-on field methods of collecting and recording data and procedures for processing and storing.

Keywords HYDROLOGY, DATA, WATER

Marine Microbial Ecology

583

Bermuda Biological Station for Research, Inc.

Bermuda, North America

Begins 06/11/91 Education Director
Deadline 03/01/91
Duration 3 Weeks
Language E Ferry Reach GE 01, Bermuda
Fees 1,475 US\$

Phone 809-297-1880
Fax 809-297-8143
Telex

The ecology of microorganisms in diverse marine habitats with a focus on their role in oceanic trophodynamics and biogeochemistry. Classical and contemporary methods for the determination of microbial biomass, population structure and activity in the environment will be covered, including molecular techniques and experimental approaches.

Keywords MARINE, ECOLOGY

GIS Technology in Resource and Environmental Management

584

Colorado State University - Conference Services

Fort Collins, Colorado , USA

Begins 06/11/91
Deadline 04/11/91 Office of Conference Services
Duration 4 Days Colorado State University
Language E Ft. Collins, CO 80523 , USA
Fees 575 US\$; registration fee

Phone 303-491-7501
Fax
Telex

Workshop develops basic understanding of GIS technology enabling managers to make confident and informed decisions about its use as a decision-making tool. Presents important considerations of GIS technology including basic concepts, data handling, analysis and human impacts. Material is reinforced with hands-on exercises demonstrations and related experience by invited speakers. This course is specially designed for managers, supervisors, program leaders and other GIS users. Additional course 10/17/91.

Keywords ENVIRONMENT, MANAGEMENT, GEOGRAPHY, COMPUTER**Communications and Media Strategies for Agriculture and Rural Development**

585

United States Department of Agriculture

Iowa State University/Ames , USA

Begins 06/10/91 Musu Clemens, PM 159
Deadline 04/18/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 3,801 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Develop skills and knowledge to: analyze rural audiences and their problems; develop measurable communications objectives; select appropriate media; plan and develop multimedia communications projects for selected audiences. Topics include: practical aspects of communications theory; audience analysis; media selection; message design; production and evaluation.

Keywords COMMUNICATION, DEVELOPMENT, RURAL**International Marketing Strategies**

586

California State Polytechnic University

Pomona, California , USA

Begins 06/10/91 Dr. Richard F. Pedersen, Director
Deadline 04/10/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768 , USA
Fees 3,000 US\$; room and board extra 1,188 US\$

Phone 714-869-3592
Fax 714-869-3282
Telex 9105811478

Seminar designed to introduce state of the art marketing information and technology in order to help organizations become both more effective and more efficient, through a practical and hands-on international case study approach.

Keywords MARKETING**Community Forestry**

587

Kasetsart University

Bangkok, Thailand , Asia

Begins 06/10/91 Dr. Somsak Sukwong, Director
Deadline 01/31/91 Regional Community Forestry Training Center
Duration 25 Weeks c/o Faculty of Forestry, Kasetsart University
Language E Bangkok 10900, Thailand , Asia
Fees 9,200 US\$; inclusive of subsistence allowance, supplies, insurance

Phone 579-0108
Fax 66-25798781
Telex 21957 RECOFTC TH

Course includes: managing, promoting and overseeing community forestry programs and projects. Applicants should have direct responsibility for a community forestry program and hold an undergraduate degree or have equivalent experience in forestry, agriculture, environmental, social science, biology or geography.

Keywords FORESTRY, EXTENSION, AGROFORESTRY**Slow Sand Diatomaceous Earth Filtration Design (ICE #9011)**

588

Colorado State University - Conference Services

Fort Collins, Colorado , USA

Begins 06/10/91 International Institute for Civil Engineering
Deadline 05/01/91 Office of Conference Services
Duration 1 Week Colorado State University
Language E Ft. Collins, CO 80523 , USA
Fees 1,100 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

To give theoretical and practical basis for design of slow sand filters and diatomaceous earth filtration water treatment plants. Scope will include: sedimentation; filtration processes; appurtenances; media selection; filter box; underdrains; flow measurement; disinfection. The two filtration technologies will be presented in terms of achieving working designs of complete systems, which include: site evaluation; use of pilot plants; break-in period; performance expectations. ANNUALLY

Keywords WATER TREATMENT, WATER MANAGEMENT

Land Use Planning for Community Forestry and Natural Resource Develop. (TC 120-10) 589
 University of Idaho Moscow, Idaho, USA

Begins	06/10/91	Dr. Force, Department of Forest Resources	Phone	208-885-7311
Deadline	05/10/91	Agricultural Engineering Department	Fax	
Duration	6 Weeks	University of Idaho	Telex	4931712 FTAD UI
Language	E	Moscow, ID 83843, USA		
Fees	not available			

Course: defines, analyzes and evaluates planning processes; shows importance of and techniques for involving locals in plan development and implementation; explains principles, assumptions, methods useful in developing objectives, gathering and analyzing data, developing and evaluating land use alternatives; explains techniques associated with social and economic impact analysis of alternative land use. Course is particularly useful for community or social foresters and rangeland, park, and wildlife managers.

Keywords FORESTRY, NATURAL RESOURCES, LAND USE

Strategies and Tools for Effective Program Management 590
 United States Department of Agriculture University of Maryland, USA

Begins	06/10/91	Mr. Brad Favor	Phone	202-245-5840
Deadline	05/11/91	USDA/OICD/DRD/MCD	Fax	202-245-5960
Duration	4 Weeks	Room 3110-S	Telex	7400228 CDOP UC
Language	E	Washington, D.C. 20250-4300, USA		
Fees	2,793 US\$; room and board and field trips extra 2,618 US\$			

Topics include: assessing program environment; program design and sustainability; strategic planning; organizational structure and systems; program leadership skills; management information and financial management systems. Designed for senior-level executives and managers of agricultural and rural development programs.

Keywords MANAGEMENT, PROGRAM

Environmental Aspects of Canals and Streams 591
 Central State University Wilberforce, Ohio, USA

Begins	06/10/91	Dr. Okereke, Interim Director	Phone	513-376-6153
Deadline	05/25/91	Int'l Center for Water Resources Management	Fax	513-376-6530
Duration	6 Weeks	103 Bancker Hall	Telex	
Language	E	Wilberforce, OH 45384, USA		
Fees	3,500 US\$; exclusive of room and board			

Topics include: ecology of streams/canals; water chemistry; water quality; environmental health; canal and streamflow dynamics; economics of environmental control. Designed for engineers and other water resources professionals.

Keywords ENVIRONMENT, WATER, ENGINEERING

Labor Force Characteristics; Measurement of Employment 592
 United States Department of Labor Washington, D.C., USA

Begins	06/10/91	John T. McCracken, Director	Phone	202-523-9231
Deadline	04/01/91	United States Department of Labor, Room S-1310	Fax	202-523-7342
Duration	6 Weeks	200 Constitution Avenue N.W.	Telex	
Language	E	Washington, D.C. 20210, USA		
Fees	3,235 US\$; exclusive of room and board, book allowance and insurance			

Seminar covers traditional approaches to employment statistics used in industrialized nations, it emphasizes techniques more useful to developing countries, such as multipurpose household surveys. Seminar also includes techniques and methodologies for conducting surveys of establishments to determine employment, hours, earnings, labor turnover and job vacancies. Techniques for making maximum use of data from administrative sources are emphasized.

Keywords LABOR, STATISTICS, DATA

Building Safety Evaluation and Damage Assessment Methodologies 593
 Colorado State University Fort Collins, Colorado, USA

Begins	06/10/91	International Institute for Civil Engineering	Phone	303-491-7425
Deadline	05/01/91	IICE	Fax	
Duration	1 Week		Telex	910 930 9000 ENGR CSU FTCN
Language	E	Fort Collins, CO 80523, USA		
Fees	1,200 US\$; materials and certificate			

Will present an overview of uniform technical building safety evaluation methodologies. State-of-the-art methods used to evaluate the vulnerability of buildings in anticipation of potential severe loading from natural or technological hazards will be included. In addition, the course will provide a working knowledge of the assessment techniques used for safety evaluations and will be placed on methods recently formalized by the Applied Technology Council.

Keywords EVALUATION, ASSESSMENT

International Integrated Resource Management
Colorado State University - Conference Services

594

Fort Collins, Rocky Mountain National Park
, USA

Begins	06/10/91	International Integrated Resource Mngmnt Course	Phone	303-491-6222
Deadline	05/01/91	Office of Conference Services	Fax	303-491-0667
Duration	3 Weeks	Colorado State University	Telex	
Language	E	Ft. Collins, CO 80523 , USA		
Fees	3,000 US\$			

This course focuses on land management planning for forest ecosystems. Instruction includes formal planning methods with emphasis on techniques for managing multiple resources and resource interactions.

Keywords NATURAL RESOURCES, LAND USE

Analysis of Marine Pollution

595

Bermuda Biological Station for Research, Inc.

Bermuda , North America

Begins	06/10/91	Education Director	Phone	809-297-1880
Deadline	03/01/91		Fax	809-297-8143
Duration	3 Weeks		Telex	
Language	E	Ferry Reach GE 01 , Bermuda		
Fees	1,900 US\$			

Integrates biological & chemical techniques to assess the hazard levels of organic and other marine contaminants. Topics include: sources and fates of marine pollutants; sampling strategies and methods; ecotoxicology including Microtox and invertebrate bioassays; chemical fractionation methods used in toxicity reduction evaluations. High performance liquid chromatography gas chromatography, fluorescence and gas chromatography mass spectrometry analysis of organic contaminants.

Keywords MARINE, ENVIRONMENT

Irrigation and Water Management Systems

596

California State Polytechnic University

Pomona and Field Locations, California ,
USA

Begins	06/10/91	Dr. Dorothy D. Wills, Int'l Training Coordinator	Phone	714-869-3992
Deadline	04/10/91	International Center	Fax	714-869-3282
Duration	3 Weeks	3801 West Temple Avenue	Telex	9105811478
Language	E	Pomona, CA 91768 , USA		
Fees	3,000 US\$; room and board extra 1,188 US\$			

International participants, whether in the public or private sector, will enhance their understanding of modern irrigation techniques for planning, design and management of water resources. They will gain familiarity with California irrigation and water systems.

Keywords IRRIGATION, WATER, TOUR

Project Management in Rural Development

597

California State Polytechnic University

Pomona, California , USA

Begins	06/10/91	Dr. Dorothy D. Wills, Int'l Training Coordinator	Phone	714-869-3992
Deadline	04/10/91	International Center	Fax	714-869-3282
Duration	3 Weeks	3801 West Temple Avenue	Telex	9105811478
Language	E	Pomona, CA 91768 , USA		
Fees	3,000 US\$, room and board extra 1,188 US\$			

International participants will develop skills and knowledge to help manage rural development projects and programs, whether focusing on health, agriculture, literacy or the private sector. The focus on project design, implementation, monitoring and evaluation skills will promote improved management of any form of resources. Additional course offered in Arabic on 07/15/91 and French 07/08/91.

Keywords MANAGEMENT, RURAL

Design of Water Quality Monitoring Networks

598

Colorado State University - Conference Services

Fort Collins, Colorado , USA

Begins	06/10/91	Department of Civil Engineering	Phone	
Deadline	04/10/91	Office of Conference Services	Fax	
Duration	1 Week	Colorado State University	Telex	
Language	E	Ft. Collins, CO 80523 , USA		
Fees	not available			

Keywords WATER, MONITORING

Extended Time Period Simulation of Water Distribution Systems

599

University of Wisconsin

Madison, Wisconsin, USA

Begins 06/10/91 Dr. Holub
Deadline 04/10/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 925 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

In this personal computer workshop course you will learn how to: 1) use software for network analysis and evaluation of results; 2) establish time-demand relationships; 3) model sources of supply, reservoir refill conditions, and automatic control valves; 4) apply simulation results in designing storage facilities and evaluating system operation.

Keywords WATER**Strategies and Tools for Program Management**

600

United States Department of Agriculture

University of Maryland/College Park, USA

Begins 06/10/91 Veronica Priddy
Deadline 04/10/91 USDA/OICD/TTD
Duration 4 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 2,793 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

The course draws heavily upon actual field examples and recent research in program management. Case studies, interactive simulations, role-playing, organizational assessments and a series of presentations and discussions are used to create a rich environment for learning key strategies, tools and skills. A 3 day field trip is planned to provide a view of how a complex U.S. agriculture program is managed.

Keywords MANAGEMENT, PROGRAM**Land Use Planning for Community Forestry and Natural Resource Development**

601

United States Department of Agriculture

University of Idaho/Moscow, USA

Begins 06/10/91 Veronica Priddy
Deadline 04/10/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,510 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

The course's focus is on techniques used in assessing the social and cultural environments in the land area with lesser emphasis on physical and biological factors. During field trips, hosted by public land management agencies, local and regional areas facing a variety of land use planning, situations will be examined.

Keywords PLANNING, FORESTRY, NATURAL RESOURCES**Modern Techniques in Fertilizer Distribution and Handling**

602

International Fertilizer Development Center

United Kingdom, Ireland, Belgium, Holland, Germany, Europe

Begins 06/10/91 Ram S. Giroti, Training Administrator
Deadline 05/31/91 International Fertilizer Development Center
Duration 3 Weeks P.O. Box 2040
Language E Muscle Shoals, AL 35662, USA
Fees 1,675 US\$; exclusive of travel, room and board

Phone 205-381-6600
Fax 205-381-7408
Telex 810-731-3970

Characteristics of distribution systems, shipping, and chartering terms; semibulk and bulk systems; fertilizer losses; distribution planning. Visits to ports, fertilizer dealers, and blending units in Europe.

Keywords FERTILIZER**Rural Development Project Management**

603

California State Polytechnic University

Pomona, California, USA

Begins 06/10/91 Dr. Dorothy D. Wills
Deadline 04/10/91 International Center
Duration 3 Weeks 3801 West Temple Avenue
Language E Pomona, CA 91768, USA
Fees 4,518 US\$; inclusive of room and board

Phone 714-869-3992
Fax 714-869-3282
Telex

Topics of instruction include: introduction to modern management techniques; the project cycle; management of human resources; financial management and budgeting; planning; the role of cooperatives; social assessment survey methods; marketing; strategies for rural development; management information systems; environmental impact analysis; the use of microcomputers. Additional courses offered 07/08/91 in French and 07/15/91 in Arabic.

Keywords RURAL, DEVELOPMENT, MANAGEMENT

Market Management and Strategic Planning for Agribusiness

604

University of Illinois

Madison, Wisconsin, USA

Begins	06/09/91	Dr. Anthony B. Soskin, Int'l Agribusiness	Phone	217-333-8808
Deadline	04/10/91	College of Veterinary Medicine	Fax	217-333-5538
Duration	3 Weeks	2001 S. Lincoln Drive	Telex	206957 INTAGURBA
Language	E	Urbana, IL 61801, USA		
Fees	2,875 US\$; housing, meals and int'l transportation not included			

Contemporary issues in strategic market management and planning. Industry, market, competitive, and situation analyses in addition to decision support systems. Focus on understanding and applying strategic marketing concepts in the global food and agribusiness sector. Strategic marketing in global agribusiness. Thought provoking exercises, current case studies, and computerized decision support aids will be integrated throughout the course.

Keywords AGRIBUSINESS, MANAGEMENT, MARKETING

System-Oriented Management of Self-Help Organizations 9.07a91-TK74-210-91

605

German Foundation for International Development

Feldafing GDR, Europe

Begins	06/07/91	Deutsche Stiftung für Internationale Entwicklung	Phone	08157-383219
Deadline	02/07/91	Zentralstelle für Ernährung und Landwirtschaft	Fax	
Duration	5 Weeks	Wielinger Strasse 52	Telex	
Language	E	D-8133 Feldafing, GDR, Europe		
Fees	1,100 Deutsche Marks			

Topics include: description of status of self-help organizations (SHOs) in the process of rural development; analysis of participants' SHO-management and promotions; framework and analysis of SHOs in rural areas; participatory planning; financing; organizing, monitoring, controlling, and evaluating SHOs; training. Students will be able to: carryout the system-oriented integration of SHOs into rural development; acquire knowledge of ways to establish, manage and promote SHOs; to promote the management of SHOs. Additional course offered 06/14/91 in French.

Keywords MANAGEMENT, RURAL

Fruits and Vegetables Farming - Study Trip (ST 03)

606

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins	06/05/91	The Director, Continuing Education Center	Phone	529-0100-13 x2136
Deadline	04/15/91	GPO Box 2754	Fax	66-2-529-0374
Duration	2 Weeks		Telex	84276 AIT TH
Language	E	Bangkok 10501, Thailand, Asia		
Fees	1,000 US\$; exclusive of room and board			

Strategic approaches used by Thai government to develop and promote agro-industry on fruits and vegetables; visit various fruit and vegetable farms to observe the crop maintenance and cultivation techniques used by Thai farmers; visit research stations to observe current research and developments on production for export; meet scientists, extension workers and farmers to exchange experiences; visit and observe other supporting facilities provided by the government to promote the agro-industry.

Keywords TROPICAL, FRUIT, VEGETABLE, HORTICULTURE, TOUR

Agricultural Machinery Management

607

Silsoe College

Silsoe, Bedford and Massey Ferguson Training Center, Europe

Begins	06/05/91	Student Recruitment Executive	Phone	0525-60428
Deadline	05/01/91		Fax	05-256-1527
Duration	3 Months	Silsoe Campus	Telex	265871 (MONREF G) EUM 300
Language	E	Silsoe, Bedford MK45 4DT, UK		
Fees	5,150 British pounds; 1,850 full room and board			

The objective of this course is to develop each participant's ability to manage: 1) selection of appropriate machinery; 2) correct operation, maintenance and repair of machinery; 3) optimum use of machinery with the best back-up service.

Keywords EQUIPMENT, ENGINEERING

Intensive English and Orientation Program

608

Iowa State University

Ames, Iowa, USA

Begins	06/04/91	Associate Director, IEOP	Phone	515-294-1163
Deadline	05/01/91	326 Ross Hall	Fax	515-294-6814
Duration	8 Weeks	Iowa State University	Telex	283359 IASU UR
Language	E	Ames, IA 50011, USA		
Fees	3,790 US\$; including room and board			

Two Goals: Orientation to US Culture (cross-cultural studies, tours of local cultural centers, friendships with local families, weekends in nearby communities and weekly social and cultural activities); Introduction to University Life (opportunities to study in classes, guest speakers from university departments, residence and classes on campus, use of university facilities and special summer programming).

Keywords LANGUAGE, ENGLISH, CULTURE

Grain Storage and Marketing

609

Kansas State University

Manhattan, Kansas , USA

Begins 06/03/91 Dr. Rolando Flores, GSMSC Coordinator
Deadline 05/04/91 Weber Hall
Duration 7 Weeks Kansas State University
Language E/S/F Manhattan, KS 66506 , USA
Fees 3,400 US\$

Phone 913-532-6161
Fax
Telex 5106000752 KSU GRAINS

Instruction in principles of: grain storage; causes of grain loss; prevention of grain deterioration; grain inspection; postharvest grain systems; management and operation of domestic grain businesses; macromarket management; micromarket management; analytical techniques in grain marketing.

Keywords GRAIN, STORAGE, MARKETING

Resource Development of Watershed Lands (120-8)

610

United States Department of Agriculture

Univ. of Arizona/Tucson , USA

Begins 06/03/91 Jane Tolbert, PM 136
Deadline 04/03/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees not available

Phone
Fax
Telex 7400228 CDOP UC

Course deals with fundamentals of hydrology, including hydrologic measurement and prediction methods. Emphasis is placed on social and economic difficulties in developing multiple products of watershed lands. Topics include: range assessment and management; soil and water conservation techniques; natural resource economics and management.

Keywords HYDROLOGY, NATURAL RESOURCES, WATER

Project Analysis for Agriculture and Rural Development (TC #140-2)

611

United States Department of Agriculture

Washington, D.C. , USA

Begins 06/03/91 Howard Opper, PM 132
Deadline 04/03/91 USDA/OICD/ITD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,262 US\$; exclusive of room and board

Phone
Fax 202-245-5960
Telex 7400228 CDOP UC

In-depth treatment of project analysis including the role of the analyst, techniques for financial and economic analyses, and project refinements.

Keywords ANALYSIS, RURAL, PROJECT

Developing Markets for Agricultural Products (150-5)

612

United States Department of Agriculture

Colorado State University/Fort Collins , USA

Begins 06/03/91 Brad Favor, Short Course Coordinator, 3110-S
Deadline 05/03/91 USDA/OICD/ITD
Duration 8 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 5,027 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Focuses on role of marketing in development. Techniques of conducting market analyses and evaluations are examined including the economics of grading systems. Field trips to small, well-managed marketing projects and enterprises. Develop skills to: understand role of agricultural sector in economic development; comprehend role of multinational firms in development and how to negotiate; calculate financial measures to analysis; understand international trade and marketing.

Keywords MARKETING

Computer Simulation and Design of Water Distribution Systems (ICE 9016)

613

Colorado State University

Fort Collins, Colorado , USA

Begins 06/03/91 International Institute for Civil Engineering
Deadline 05/01/91 IICE
Duration 1 Week
Language E Fort Collins, CO 80523 , USA
Fees 975 US\$; materials, textbook, computer software and tuition

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Course reviews fundamentals of analysis of water distribution systems, discusses design philosophies and introduces the participant to the computer software WADISO (Water Distribution System Optimization). Steady state analysis, extended time simulation and optimization will be covered. Tank sizing optimization will be discussed. Special consideration will be given to handling pumps and pressure reducing valves.

Keywords WATER, COMPUTER, IRRIGATION

Water Treatment Plant Design

614

Colorado State University

Fort Collins, Colorado , USA

Begins 06/03/91 International Institute of Civil Engineering
Deadline 05/01/91 IICE
Duration 1 Week
Language E Fort Collins, CO 80523 , USA
Fees 1,100 US\$; exclusive of room and board

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Gives foundation of theory and practice for process design of rapid rate filtration water treatment plants. Course includes: SDWA review; rapidmix and coagulation; flocculation; filtration; disinfection. Topics presented in terms of process principles, adaptation of principles to design, use of pilot plants, design practice, trends, problems and operator concerns. Special topics will include backwash and underdrains. For engineers needing overview of basics and regulatory law pertinent to design.

Keywords WATER, ENGINEERING**Watershed and Soil Conservation Survey and Planning Using Microcomputers**

615

Colorado State University-ISFNR

Fort Collins, Colorado , USA

Begins 06/03/91 Dr. Ted Sheng
Deadline 04/02/91 102 Natural Resources, Coll. of For. & Nat. Res.
Duration 4 Weeks Colorado State University
Language E Fort Collins, Colorado , USA
Fees 3,600 US\$; exclusive of room and board

Phone
Fax
Telex

Provides basic training in watershed and soil conservation survey, planning, monitoring and evaluation using microcomputers (experience not necessary). Includes: survey and planning basics and strategies; computer fundamentals and applications; image processing and Geographic Information Systems; case studies; analysis; practices will be emphasized. Designed for those with presently engaged in planning and management.

Keywords COMPUTER, PLANNING, WATER, CONSERVATION, SOIL**Modern Methods for the Study of Rhizobium**

616

University of Hawaii

Bangkok, Thailand , Asia

Begins 06/03/91 NIFTAL Project
Deadline 12/31/90 College of Trop Ag & Human Res, Univ. of Hawaii
Duration 4 Weeks Gilmore Hall, Rm. 214, 3050 Maile Way
Language E Honolulu, HI 96822 , USA
Fees 2,500 US\$; exclusive of local expenses in Bangkok (\$1,500)

Phone 808-579-9568
Fax
Telex 7430315 IIT

Training in Rhizobium culture, strain identification, genetics of Rhizobium and inoculant production and field application. Topics include: general Rhizobium microbiology; strain identification; strain selection; genetic techniques; inoculant production; field and greenhouse procedures. Applicants must be involved in research or production oriented research involving Rhizobium.

Keywords RHIZOBIUM, AGRONOMY**Computer Programmer Training**

617

Graduate School, USDA

Washington, D.C. , USA

Begins 06/03/91 Dr. Robert Mashburn, Director
Deadline 05/03/91 International Education and Training
Duration 11 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 4,650 US\$; exclusive of room and board

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

For those with little data processing experience, enable participants to become COBOL programmers. Outline in-country application techniques, help develop implementation program; provide overview data processing principles and technology; basic concepts and terminology; data representation; basic system analysis and design; flow charting; problem solving for COBOL; job control language.

Keywords COMPUTER**Computer-Assisted Analysis of Food and Agricultural Policy**

618

North Carolina Agricultural & Technical State University

Greensboro, North Carolina , USA

Begins 06/03/91 International Agricultural Programs
Deadline 05/15/91 145 Carver Hall
Duration 4 Weeks North Carolina Agricultural & Technical Univ.
Language E Greensboro, North Carolina , USA
Fees 3,160 US\$; includes materials, does not include insurance

Phone 919-334-7901
Fax
Telex

The workshop content will focus especially on the issues and problems encountered in developing countries. Participants are encouraged to be prepared to discuss a specific problem/issue involving the agricultural sector in their home countries, and bring data relevant to this problem/issue to be used in the workshop exercises.

Keywords COMPUTER, ANALYSIS, POLICY

4th Annual Program in World Banking & Finance

619

Economics Institute

Boulder, Colorado, USA

Begins 06/03/91 Admissions Office
Deadline 04/03/91 1030 13th Street
Duration 5 Weeks
Language E Boulder, Colorado 80302, USA
Fees 2,627 USD; tuition

Phone 303-492-3000
Fax
Telex 450385 ECONINST BDR

1) Agricultural Credit and Rural Finance. 2) Informal Financial Markets. 3) Microenterprise Finance. Courses include Rural Financial Markets; Informal Finance; Microenterprise Finance; Microenterprise Credit Programs; Creating Debt Capacity; and Reforming Agricultural Development Banks. 2ND SESSION BEGINS 07/08/91. Major topics include: 1) Financial Sector Policy Analysis; 2) Commercial & Development Banking; 3) Regulation and Supervision of Financial Institutions.
Keywords: FINANCE

Irrigation Management Research Methodology

620

University of Idaho

Moscow, Idaho, USA

Begins 06/03/91
Deadline 04/30/91 Agricultural Engineering Department
Duration 10 Weeks University of Idaho
Language E Moscow, ID 83843, USA
Fees 5,550 US\$; tuition

Phone 208-885-6182
Fax 208-885-8923
Telex

The course will consist of training sessions and seminars covering topics relative to modern irrigation engineering design and management. Computer applications and use of electronic instrumentation for data collection are taught; trainees are instructed in the use of micro computers and software for data collection, storage and analysis. The basics of statistical research methods and experimental design for use in field research are stressed.
Keywords: IRRIGATION, MANAGEMENT, RESEARCH

Colorado Irrigation Study Tour (CIIM No. 1)

621

Colorado State University-CIIM

Fort Collins, Colorado, USA

Begins 06/03/91 Colorado Institute for Irrigation Management
Deadline 04/01/91 410 University Services
Duration 2 Weeks Colorado State University
Language E Fort Collins, CO 80523, USA
Fees 1,800 US\$; tuition, materials, books, field trips

Phone 303-491-2868
Fax
Telex 9109309011 CSU CID FTCN

Participants will visit: 1) irrigation systems throughout Colorado; 2) farms employing modern surface irrigation methods; 3) farms using drip and trickle irrigation; 4) farms using various forms of overhead irrigation; 5) irrigation advisory services providing irrigation scheduling.
Keywords: IRRIGATION, TOUR

Agroforestry Systems

622

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 06/03/91 Student Recruitment Executive
Deadline 05/01/91
Duration 12 Weeks Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 4,850 British pounds; 450 British pounds housing, meals not included

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

The primary aim of the course is to increase the effectiveness of land use professionals in the diagnosis, analysis and design of mixed cropping systems involving woody perennials. The quantitative assessment of yield advantage, its ecological basis and environmental consequences will be a key thread running through the course structure.
Keywords: AGROFORESTRY, FORESTRY

Geotechnical Engineering for Waste Disposal

623

Colorado State University

Fort Collins, Colorado, USA

Begins 06/03/91 International Institute for Civil Engineering
Deadline 05/01/91 IICE
Duration 3 Weeks
Language E Fort Collins, CO 80523, USA
Fees 2,175 US\$; materials and certificate

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

The objective of this course is to provide a foundation of theory and practice for design of soil containment systems for waste disposal. The course emphasizes fundamental principles and the application and limitations of these principles in practice.
Keywords: ENGINEERING, WASTE

Developing Markets for Agricultural Products

624

Colorado State University-ICARD

Fort Collins, Colorado , USA

Begins 06/03/91 Dr. Ronald L. Tinnermeier, Director
Deadline 05/03/91 B302 Clark Building
Duration 8 Weeks Colorado State University
Language E Fort Collins, Colorado 80523 , USA
Fees 5,060 US\$; excluding room and board

Phone 303-491-7292
Fax 303-491-6441
Telex 452014 ICARD

The objective of this course is to improve the participants' skills in formulating and evaluating agricultural marketing policy and strategies at domestic and international levels, from macro and micro frames of reference.

Keywords MARKETING, AGRICULTURE**Ground Water Monitoring and Sampling**

625

National Water Well Association

Monroeville, Pennsylvania , USA

Begins 06/03/91
Deadline 04/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 725 US\$; exclusive of lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

This course examines the monitoring process from start to finish and provides insight into obtaining representative samples. You will receive instruction on: ground water monitoring system design; advantages and limitations of various drilling methods; soil sampling methods; field tests for defining aquifer parameters; materials used in monitoring well installation; well completion and development; selecting sampling devices; sample frequency; minimizing outside influences on sample integrity. Additional course 11/18/91 in Dallas, Texas.

Keywords MONITORING, WATER**Fundamentals of Ground Water and Well Technology**

626

National Water Well Association

Monroeville, Pennsylvania , USA

Begins 06/03/91
Deadline 04/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 695 US\$; lodging not included

Phone 614-761-1711
Fax 614-761-3446
Telex

Provides an overview of the ground water industry. The course is designed for newly practicing professionals or for persons working in non-technical positions in the environmental field. Insight will be provided into a wide range of topics including: the hydrological cycle; basic geology; well design; water well drilling technology; well rehabilitation and development; monitoring and sampling; ground water contamination and aquifer restoration.

Keywords WATER, HYDROLOGY**Seed Improvement**

627

United States Department of Agriculture

Mississippi State University , USA

Begins 06/03/91 Veronica Priddy
Deadline 04/03/91 USDA/OICD/TTD
Duration 9 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 5,564 US\$; exclusive of maintenance allowance

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

Participants study the organization and implementation of a seed technology program including improved seeds, production, storage, handling, distribution and use. Emphasis on involving and cooperating with the private sector of the seed industry.

Keywords SEED**Integrated Resource Development of Watershed Lands**

628

United States Department of Agriculture

University of Arizona/Tucson , USA

Begins 06/03/91 Veronica Priddy
Deadline 04/03/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 3,022 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

This course deals with the fundamentals of hydrology, including hydrologic measurement and prediction methods. Emphasis is placed on the social and economic difficulties in developing the multiple products of watershed lands.

Keywords WATER MANAGEMENT, HYDROLOGY, NATURAL RESOURCES

Planning, Policy and Strategies for Irrigated Agriculture

629

Utah State University

Utah and California , USA

Begins 06/02/91 International Irrigation Center
Deadline 05/01/91
Duration 3 Weeks Utah State University
Language E Logan, UT 84322-4150 , USA
Fees 2,975 US\$; course fee only

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

A workshop to: identify and discuss issues related to irrigation and water management planning, policy and program implementation; identify relevance of different development stages; present case studies and draw out knowledge on planning, policy and program strategies; discuss on-farm research in water management and farming systems.
Keywords SYSTEMS, IRRIGATION

Windbreaks and Agroforestry - 2nd International Symposium

630

Ridgetown College of Agriculture Technology

Ridgetown, Ontario , Canada

Begins 06/02/91 Dr. Charles S. Baldwin
Deadline 05/01/91
Duration 1 Week
Language E Ridgetown, Ontario NOP 2 CO , Canada
Fees not available

Phone 412-648-7430
Fax
Telex 199126

Brings together scientists and agricultural workers. A mixture of scientific and applied papers will be presented. The symposium will provide a forum to exchange ideas about: all types of windbarriers that protect crops, soil and livestock; plant material improvement; environmental aspects of forestry including water quality and urban windbreaks. Agroforestry issues will include intercropping, nutculture, Christmas trees, opportunities for private land forestry and rain forest concerns.
Keywords SOIL, CONSERVATION, AGROFORESTRY, ENVIRONMENT

International Career Development Program in Costa Rica

631

Northern Illinois University

Costa Rica , South America

Begins 06/02/91 Director
Deadline 03/30/91 Office of International Training and Consultation
Duration 8 Weeks Northern Illinois University
Language S DeKalb, IL 60115-2854 , USA
Fees 2,475 US\$

Phone 815-753-1098
Fax
Telex 311261 NIU DEKALB UD

This course is designed to introduce you to some of the essential skills that are necessary for an international career. It simultaneously places you in a professional environment where you can apply these skills on a daily basis.
Keywords HUMAN RESOURCES

Workshop on Policy, Planning and Strategies for Irrigated Agriculture

632

Utah State University

Utah, California , USA

Begins 06/02/91 International Irrigation Center
Deadline 04/02/91
Duration 3 Weeks Utah State University
Language E/S Logan, UT 84322-4150 , USA
Fees 2,975 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

The workshop is designed for senior level administrators and technical managers from national, regional and state organizations and institutions dealing with irrigated agriculture. Critical issues of a policy, planning and strategy nature are identified and analyzed in simulated case studies. Additional course offered 05/31/92.
Keywords POLICY, PLANNING, IRRIGATION

Vegetative Propagation Technologies (Incl. Tissue Culture) for Fruit Crops

633

The University of the West Indies

St. Augustine, Trinidad , North America

Begins 06/02/91 The Programme Coordinator
Deadline 04/02/91 Tropical Agricultural Technology Training Unit
Duration 2 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago , North America
Fees 800 US\$; extra 1,060 US\$ accommodations

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: physical facilities for vegetative propagation; propagating media; theory and practice of macro propagation methods including cuttings, budding, grafting, layering and the use of natural propagules; micro propagation (tissue culture) principles and techniques; physical facilities required for micro propagation; practical sessions based on planting materials for fruit crop and ornamentals; establishment and operation of a propagation facility.
Keywords VEGETABLE, FRUIT

Legume Rhizobium Technology

634

University of Hawaii

Bangkok, Thailand , Asia

Begins 06/01/91 Coordinator for International Programs
Deadline 05/01/91 College of Trop Ag & Human Res, Univ. of Hawaii
Duration 4 Weeks Gilmore Hall, Rm. 214, 3050 Maile Way
Language Honolulu, HI 96822 , USA
Fees not available

Phone 808-948-6441
Fax
Telex 7430725 SPRAD HR

Keywords RHIZOBIUM, AGRONOMY**Diploma in Agriculture**

635

University of the Philippines

Los Banos, Philippines , Asia

Begins 06/00/91 Diploma in Agriculture Program Coordinator
Deadline 01/31/91 University of the Philippines
Duration 36 Weeks
Language E Los Banos, Philippines 4031 , Asia
Fees 3,505 Philippine pesos; exclusive of room and board

Phone 2446; 3535; 3546
Fax
Telex

For agricultural extension workers and others who wish to pursue advanced studies to enhance effectiveness for agricultural or rural development work. Has several areas of specialization including: animal production; crop production; crop protection; extension and communication; postharvest technology; soil technology. Designed to: give new information and skills; reorient attitudes toward rural clientele; develop broader perspective of agricultural and rural development.

Keywords AGRICULTURE, ANIMAL SCIENCE, PLANT SCIENCE**Video Communication (I)**

636

Cornell University

Ithaca, New York , USA

Begins 05/30/91 James E. Haldeman, Chief
Deadline 04/01/91 Department of Communication
Duration 3 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853 , USA
Fees 1,055 US\$; exclusive of room and board

Phone 607-255-3035
Fax 607-255-1005
Telex 559029 INTAG CORNELL

This course covers the basic concepts and skills appropriate for the use of video in development projects. It emphasizes video as a tool that involves the community in various development processes including feedback, group observations and interventions. The course also includes the planning of low cost video production facilities designed to serve community or organizational needs. The course would be especially useful for persons who make policy and management decisions regarding video hardware installations, software development and training personnel to integrate video communication in their development or extension programs. Advanced course offered 06/24/91 for 6 weeks.

Keywords VIDEO, COMMUNICATION**Participatory Research and Communication for Development**

637

Cornell University

Ithaca, New York , USA

Begins 05/30/91 Mrs. Joan Payton, Special Programs
Deadline 04/01/91 Department of Communication
Duration 3 Weeks 317A Kennedy Hall
Language E Ithaca, NY 14853 , USA
Fees 1,055 US\$; exclusive of room and board

Phone 607-255-6500
Fax 607-255-7905
Telex WUI 6713054

Drawing on a development communication project in India, this course stresses methods for involving persons at the "grassroots" in analysis of their development potential and in a participatory research and planning process.

Keywords RESEARCH, COMMUNICATION**Flavor and Color Technology**

638

The Center for Professional Advancement

East Brunswick, New Jersey , USA

Begins 05/29/91 Registrar
Deadline 03/29/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964 , USA
Fees 960 US\$; exclusive room and of board

Phone 201-613-4500
Fax
Telex 139303 (CENPRO EBRW)

To provide understanding of flavor and flavorings, color and colorings. Will discuss raw materials of natural and artificial flavors in relation to their identity and quality, and natural processes by which flavor ingredients are formed. Will describe commercial forms of flavors and the processing to achieve each form. Will discuss label and other regulations and laws related to manufacture and use of flavors and colors. Will include a review of essential oils and oleoresins.

Keywords FOOD SCIENCE

Performance Auditing
Graduate School, USDA

639

Washington, D.C. , USA

Begins 05/28/91 Dr. Robert Mashburn, Director
Deadline 03/28/91 International Education and Training
Duration 5 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024 , USA
Fees 3,750 US\$

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Participants are taken through all phases of a performance audit assignment and are given course work in the essential elements needed to accomplish a performance audit. This includes planning the audit, identifying areas where greater economy and efficiency can be achieved and planning and delivering the report. The course uses extensive case studies to simulate the actual experience of conducting an audit and presenting findings. Additional course 05/25/92.

Keywords ACCOUNTING

Management Development Program (PC-48)
Mananga Agricultural Management Centre

640

Mhlume, Swaziland , Africa

Begins 05/27/91 The Director
Deadline 04/01/91 P. O. Box 20
Duration 9 Weeks
Language E Mhlume, Swaziland , Africa
Fees 5,450 British pounds; includes full board and accommodations

Phone 31133 or 31334
Fax 31135
Telex 2320 WD Swaziland

Composed of three instructional elements: managerial skills; managerial awareness; managerial behavior. Subjects include: agricultural economics; farm planning; accounting; budgeting; marketing; management style and methods of leadership; skills in handling groups; decision making process; agricultural development strategies; world trade and finance; food and export crops; population trends. For managers working in agricultural sector with 3-5 years managerial experience.

Keywords MANAGEMENT, MARKETING, DEVELOPMENT

Organization and Management Development (140-14)
United States Department of Agriculture

641

Washington, D. C. , USA

Begins 05/27/91 Freeman Daniels, PM 153
Deadline 03/27/91 USDA/OICD/TTD
Duration 5 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,209 US\$; exclusive of maintenance allowance

Phone
Fax
Telex 7400228 CDOP UC

Will develop skills and knowledge to: better understand the nature of systems of which they are a part and how they can be made more effective; become more aware of the importance of the individual to the operations of these systems; create approaches, skills and philosophies useful in working with others in organizations. Topics include: problem diagnosis; planning, implementation and evaluation of change efforts; leadership and communication skills; group decision making.

Keywords DEVELOPMENT, MANAGEMENT, ORGANIZATION

Agribusiness Management for Developing Countries
Colorado State University-ICARD

642

Fort Collins, Colorado , USA

Begins 05/27/91 Director, ICARD
Deadline 04/26/91 B302 Clark Building
Duration 6 Weeks Colorado State University
Language E Fort Collins, Colorado 80523 , USA
Fees 4,500 US\$; exclusive of room and board

Phone 303-491-6627
Fax 303-491-6441
Telex 452014 ICARD

Provides knowledge of the terms, methods and practices of international agribusiness. Participants will discover and use business analysis tools and their applications to international agribusiness and project analyses. Topics include: agribusiness management; finance; international trade; marketing; international economic environment for agribusiness; agribusiness development; joint venture operations; role of government; natural resources and environment. Field trips. ADDITIONAL COURSES 7/21/91.

Keywords AGRIBUSINESS

Establishing Data Bases and Analytical Systems for Decisionmaking (140-26)
United States Department of Agriculture

643

New Mexico State University/Las Cruces ,
USA

Begins 05/27/91 Brad Favor, Short Course Coordinator, 3110-S
Deadline 03/27/91 USDA/OICD/TTD
Duration 8 Weeks United States Dept of Agriculture
Language E/S Washington, DC 20250-4300 , USA
Fees 4,394 US\$; excluding room and board

Phone 202-245-5840
Fax
Telex 7400228 CDOP UC

The course presents: (1) statistical concepts for designing surveys of finite populations, including households, fields and area frames; (2) the use of data in project appraisal and evaluation. The design of data gathering will be analyzed.

Keywords STATISTICS, DATA

Communication Skills for Commodity Extension Workers

644

The University of the West Indies

Grenada, North America

Begins 05/27/91 The Programme Coordinator
Deadline 03/27/91 Tropical Agricultural Technology Training Unit
Duration 2 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 800 US\$; extra 800 US\$ accommodations (double occupancy)

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: programme planning; group dynamics; communication skills; extension supervision; farmer contact strategies; farm and home management.

Keywords COMMUNICATION, EXTENSION

Economic Analysis of Aquaculture Systems

645

University of Hawaii

Honolulu, Hawaii, USA

Begins 05/26/91 International Programs Office
Deadline 04/10/91 College of Trop Ag & Human Res, Univ. of Hawaii
Duration 3 Weeks Gilmore Hall, Rm. 214, 3050 Maile Way
Language E Honolulu, HI 96822, USA
Fees 1,670 US\$; daily on campus maintenance of \$50 is additional

Phone 808-948-6441
Fax
Telex 7430725 SPRAD

Basic economic principles applicable to aquaculture; practical economic analysis in aquaculture; sound principles of planning and policy formation. Topics include: status and potential of aquaculture; bio-technical, environmental and institutional factors affecting its economics; basic economic principles; fish farm production analysis; marketing; investment feasibility; computer applications; policy and development planning.

Keywords ECONOMICS, AQUACULTURE, FISH

Multiple Use Management of Arid Rangelands

646

New Mexico State University

Las Cruces, New Mexico, USA

Begins 05/26/91 Assistant Director, Center for International Prog.
Deadline 03/30/91 Box 30001, Department 3567
Duration 10 Weeks New Mexico State University
Language E Las Cruces, NM 88003-3567, USA
Fees 3,200 US\$, tuition, materials, registration and field transportation

Phone 505-646-4735
Fax
Telex 9109830549

1) Development of systems for range inventory and range site delineation; 2) Selection of appropriate range inventory and sampling procedures for specific range areas; 3) Evaluation of the relationships among components of range ecosystems; 4) Planning of efficient range improvement programs in multiple range settings; 5) Planning and evaluation of grazing management schemes for multiple purposes; 6) Implementation of range management plans in situations of competing and complementary land use patterns; 7) Utilization of current extension and communication technology to transfer technology to producer levels. Field trips in New Mexico, Arizona, Oklahoma and Texas.

Keywords FORAGE, PASTURE

Management Roles for Women in Development

647

Graduate School, USDA

Washington, D.C., USA

Begins 05/25/91 Dr. Robert Mashburn, Director
Deadline 04/25/91 International Education and Training
Duration 6 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 4,450 US\$; exclusive of living allowance; \$500 optional 1 wk course

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSHH

Using executive skills in planning, decision-making and interpersonal communications; anticipate, analyze and manage special problems when women lead men; help women provide greater role in development; demonstrate more effective influence/leadership skills. For senior international women officials in government or private concerns.

Keywords MANAGEMENT, WOMEN, GENDER

Soybean Processing for Food Uses

648

University of Illinois-INTSOY

Urbana, Illinois, USA

Begins 05/20/91
Deadline 04/01/91 113 Mumford Hall, 1301 West Gregory Drive
Duration 4 Weeks University of Illinois
Language E Urbana, Illinois 61801, USA
Fees 3,500 US\$; \$1,500 recommended living allowance

Phone 217-333-6422
Fax 217-333-5838
Telex 206957 INTSOY

Emphasis on wide assortment of innovative food products and processing techniques adapted to the needs of developing countries. Covers technologies for medium-scale commercial processing as well as preparation methods based on home and village technologies. Major topics: extrusion technology; soy beverage and dairy analog processing; preparation of weaning and breakfast foods; mechanical expelling of oil; soybean protein and isolate technology; home-scale preparations.

Keywords FOOD SCIENCE, NUTRITION

Macro-Policies and Management of State Oil and Mining Industries

649

Duke University

Durham, North Carolina, USA

Begins 05/20/91 Mary E. Altomare, Executive Administrator
Deadline 03/01/91 School of Forestry and Environmental Studies
Duration 4 Weeks Duke University
Language E Durham, North Carolina 27706, USA
Fees 4,500 US\$; 700 US\$ housing, 750 US\$ for food & expenses

Phone 919-684-8894
Fax 919-684-2861
Telex

Will study complexity and diversity of state mining industries by comparing such cases as Chile, Bolivia, Peru, Colombia, Jamaica, Zaire and Zambia. Will culminate in theoretical frameworks to enable participants to identify performance criteria and determine whether specific public sector companies are engaging in over- or underproduction. Will also analyze issues as royalties, rate of resource exploitation and ways nationalization affects for relations.

Keywords NATURAL RESOURCES**Forest Nursery Production and Seedling Establishment for Developing Countries**

650

New Mexico State University

Las Cruces, New Mexico, USA

Begins 05/20/91 Assistant Director, Center for International Prog.
Deadline 04/01/91 Box 30001, Department 3567
Duration 4 Weeks New Mexico State University
Language E/S Las Cruces, NM 88003-3567, USA
Fees 2,400 US\$; tuition, registration, materials and field transportation

Phone 505-646-4735
Fax
Telex 9109830549

Includes lectures and labs in: introduction & orientation; genetics; nursery design; nursery soil management; pest management and pesticide safety; field planting and establishment; nursery/forest extension; and threatened and endangered species. Field trips are an integral part of this course. The destinations chosen will be decided in consultation with the group. Resource visits are available in New Mexico, Texas, Arizona and parts of Mexico.

Keywords FORESTRY, SEED**Macro-Policies and Management of State Oil and Mining Industries**

651

Duke University

Durham, North Carolina, USA

Begins 05/20/91 Center for International Development Research
Deadline 03/20/91 4875 Duke Station
Duration 4 Weeks
Language E Durham, North Carolina, USA
Fees 4,500 US\$; exclusive of room and board

Phone 919-684-8894
Fax 919-684-2861
Telex 802829 Duke Univ Durm

Participants examine current policy problems and seek to develop practical alternative solutions through a seminar format that encourages the sharing of perspective and expertise. This reciprocal learning process, implemented through policy analysis, case studies, and collaborative research, promotes a deeper understanding of the policy and organizational requirements for sustainable development.

Keywords POLICY, MANAGEMENT, NATURAL RESOURCES**Ruminant Nutrition and Feeding Systems**

652

International Livestock Centre for Africa

Addis Ababa, Ethiopia, Africa

Begins 05/20/91 Director of Training and Information
Deadline 02/01/91 P.O. Box 6689
Duration 4 Weeks
Language E Addis Ababa, Ethiopia, Africa
Fees 2,500 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

The primary objective of the course is to assist participants develop better and more appropriate feeding systems for ruminant animals in the small-holder farming systems of sub-Saharan Africa through on-station and on-farm research.

Keywords NUTRITION, FEED, RUMINANT**Management-Communication for Development**

653

Management Training and Development Institute

Denver, Colorado, USA

Begins 05/19/91 Robert C. Morris, Executive Director
Deadline 04/19/91 P.O. Box 23975
Duration 2 Weeks
Language E Washington, DC 20026, USA
Fees 1,250 US\$; exclusive of room and board

Phone 202-646-7910
Fax 202-646-7911
Telex

The manager as communicator: interrelating people, information, projects and organizations. Leadership style, motivation, problem solving and delegation. Time stress management and conflict resolution. Group dynamics and achieving consensus and group cohesion. Organizations as collections of people: formal and informal networks, information flow and cultural influences. Change and the manager-communicator as change agent: implications, resistance, and appropriateness to change; human and material resources. Additional courses offered 07/28/91 and 08/12/91 (Spanish in Washington D.C.; 12/26/91 and 01/01/92 in Orlando, Florida).

Keywords MANAGEMENT, COMMUNICATION, DEVELOPMENT, LEADERSHIP

**Dairy Processing
Land O'Lakes**

654

Minnesota, Wisconsin, N. Dakota, N.
Carolina, USA

Begins 05/19/91 **Manager, International Training**
Deadline 03/19/91 **P. O. Box 116**
Duration 4 Weeks
Language E **Minneapolis, MN 55440, USA**
Fees 3,820 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

This training covers all aspects of dairy processing, enabling participants to increase the quality, quantity and types of milk products being produced. Target audience: dairy plant owners; engineers; managers; technicians.
Keywords ANIMAL SCIENCE, DAIRY, FOOD SCIENCE

Current Policy and Trade Issues in Agricultural Commodities
University of Illinois

655

Urbana, Illinois, USA

Begins 05/19/91 **Dr. Anthony B. Soskin, International Agribusiness**
Deadline 03/20/91 **College of Veterinary Medicine**
Duration 3 Weeks **2001 S. Lincoln Drive**
Language E **Urbana, IL 61801, USA**
Fees 2,875 US\$; housing, meals and Int'l transportation not included

Phone 217-333-8808
Fax 217-333-5538
Telex 20695INTAGURBA

Interrelationships of agricultural, food and trade policies of developed and developing countries, including Eastern Europe. Theoretical and empirical setting for int'l trade in agri commodities, basis of foreign trade, principles of comparative advantage, impact of policies and benefits of foreign trade. National output, income and employment effects of raw and processed commodities and implications for export promotion.
Keywords AGRIBUSINESS, POLICY, AGRICULTURE

Ruminant Nutrition in the Tropics 9.12/91 TK75-231-91
German Foundation for International Development

656

Feldafing GDR, Europe

Begins 05/16/91 **Deutsche Stiftung für Internationale Entwicklung**
Deadline 01/13/91 **Zentralstelle für Ernährung und Landwirtschaft**
Duration 6 Weeks **Wielinger Strasse 52**
Language E **D-8133 Feldafing, GDR, Europe**
Fees 13410 Deutsche Marks

Phone 08157-383219
Fax
Telex

Topics include: analyzing feedstuffs and their components; digestion tests; livestock energy requirements; assessment of specific fodder crops; computer use for feed requirements and composition; practical feeding; formulation of rations; calculation of economic efficiency; economy and ecology in animal nutrition. Study tours. Emphasis on lab work and experimentation.
Keywords FEED, RUMINANT, NUTRITION, TROPICAL

Aquaculture Development and Management - Study Trip (ST 04)
Asian Institute of Technology

657

Bangkok, Thailand, Asia

Begins 05/15/91 **The Director, Continuing Education Center**
Deadline 04/01/91 **GPO Box 2754**
Duration 2 Weeks
Language E **Bangkok 10501, Thailand, Asia**
Fees 1,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Visit and observe Thai government strategic approaches to develop and promote aquaculture; management of various intensive/extensive fresh water aquaculture systems including integrated livestock-crop-aquaculture systems; program for rehabilitation and management of swamps and lakes to improve fish production; aquaculture promotion program in large/small reservoirs; development and management of prawn farming industry for export; visit research and breeding stations to observe current research and developments; meet with scientists, extension workers and farmers to exchange experiences.
Keywords TOUR, AQUACULTURE, FISH

Understanding and Applying Stormwater Management Techniques
University of Wisconsin

658

Madison, Wisconsin, USA

Begins 05/14/91 **Dr. Key**
Deadline 03/14/91 **432 North Lake Street**
Duration 4 Days **University of Wisconsin**
Language E **Madison, Wisconsin 53706, USA**
Fees 670 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This course will describe stormwater management; how to finance stormwater management programs; and provide practical methods to establish implement, finance and maintain a cost-effective stormwater management plan for your community.
Keywords WATER

Intensive Poultry Production Systems (TC #130-9)

659

University of Arkansas

Fayetteville, Arkansas, USA

Begins 05/13/91 Nancy Christman
Deadline 04/01/91 International Agricultural Programs
Duration 7 Weeks 300 Hotz Hall, University of Arkansas
Language E Fayetteville, AR 72701, USA
Fees 3,530 US\$; tuition, local travel, books and materials

Phone 501-575-6857
Fax 501-575-5055
Telex 314000 IAPROG

Designed to increase effectiveness in poultry breeding, nutrition, disease prevention and control; demonstrate new and alternative techniques of production management that can improve dietary and economic conditions. Topics include: incubators; egg handling and storage; breeding, rearing and managing broilers and layers; turkey production; feeding. Requires English proficiency. For technical officers and extension specialists.

Keywords POULTRY, ANIMAL SCIENCE, PRODUCTION

Management of Small Enterprise Development Programs

660

The Experiment in International Living

Brattleboro, Vermont, USA

Begins 05/13/91 Mr. Leslie Long
Deadline 04/12/91 School for Intl. Training, E.I.L.
Duration 6 Weeks P.O. Box 676, Kipling Road
Language E Brattleboro, VT 05301, USA
Fees 5,350 US\$; exclusive of room and board

Phone 802-257-7751
Fax 802-254-6674
Telex 6817462 EXPR UW

Designed to develop necessary concepts and skills. For middle- and senior-level managers within government agencies, donor agencies and nongovernment organizations. Learn how to: complete feasibility studies; develop and manage innovative and appropriate credit systems; use management tools to ensure proper organization and implementation; use marketing concepts and skills to ensure sustainability and transfer skills to others. Annually.

Keywords MANAGEMENT, ENTERPRISE, PROGRAM

Agroforestry and Training (170-5)

661

United States Department of Agriculture

Washington, D.C., USA

Begins 05/13/91 William Holt, PM 138
Deadline 03/13/91 USDA/GICD/ITD
Duration 5 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300, USA
Fees 3,210 US\$; exclusive of room and board

Phone
Fax
Telex 7400228 CDOP UC

Course focuses on humid tropical lowlands. Covers concepts of: agroforestry, diagnosis and design of agroforestry technologies; practices and systems; potentials and constraints; economic evaluation; strategies for implementation to improve existing farming systems.

Keywords AGROFORESTRY, TRAINING

Appropriate Technology for Water Supply and Sanitation in Developing Countries

662

Colorado State University

Fort Collins, Colorado, USA

Begins 05/13/91 International Institute for Civil Engineering
Deadline 03/15/91 ICE
Duration 1 Week
Language E Fort Collins, CO 80523, USA
Fees 795 US\$

Phone 303-491-5753
Fax
Telex 910 930 9000 ENGR CSU FTCN

Course will use a multi-disciplinary approach, emphasizing socio-cultural and health considerations, in the planning, design, construction, operation and maintenance of water supply and sanitation systems. Main objective is to train and educate practicing engineers, students, and other field staff, and to inform decision-makers about low-cost appropriate water supply and sanitation. Will use case studies and provide vivid examples of actual projects in rural areas and developing countries.

Keywords WATER, WASTE

Integrated Pest Management (IPM) Short Course

663

University of Florida

Gainesville, Florida, USA

Begins 05/13/91 International Training Division
Deadline 03/31/91 University of Florida
Duration 3 Weeks 1001 McCarty Hall
Language E Gainesville, FL 32611, USA
Fees 2,000 US\$ exclusive of room and board

Phone 904-392-3166
Fax 904-392-3165
Telex 563757

Through lecture, lab, and intensive field trips the course will cover the history and basic principles of IPM, field sampling designs, development of economic injury levels and thresholds, IPM tactics and strategies, use of IPM in on-farm trials, gender and cultural aspects of IPM, and a special section on pesticide use and safety.

Keywords PEST

International Management Workshop

664

Texas Tech University

Lubbock, Texas, USA

Begins 05/13/91 Dr. Mathius, ICASALS
Deadline 04/15/91 103 Holden Hall
Duration 2 Weeks P.O. Box 4620
Language E Lubbock, TX 79409, USA
Fees 800 US\$

Phone 806-742-2218
Fax
Telex 9108964398

An interdisciplinary perspective on key aspects of leadership roles and management styles. Analysis and discussion of realistic case studies provide opportunities to practice decision making and communication skills in an intercultural group. Field trips include visits to organizations such as city governments, health facilities and local businesses. Designed to prepare foreign students to return home and U.S. students who will work in foreign development and trade.

Keywords MANAGEMENT, LEADERSHIP

Management of Rainfed Agriculture (AWR 04)

665

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 05/13/91 The Director, Continuing Education Center
Deadline 04/01/91 GPO Box 2754
Duration 6 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,500 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Emphasis on matching climatological, hydrological and physical features with appropriate crops. Consider problems and opportunities in rainfed and socio-economic implications. Content includes: climatological features and interpretation of weather; rainfall-runoff relationships; temperature-sunshine-wind-evaporation analyses; agro-ecological zones; upland, low, medium and deep water agriculture; field crops; livestock and fish; infrastructure. Designed for agriculturalists, agricultural extension officers and planners.

Keywords AGRICULTURE, EXTENSION, ENVIRONMENT

Integrated Farming System Management (AWR 08)

666

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 05/13/91 The Director, Continuing Education Center
Deadline 04/01/91 GPO Box 2754
Duration 6 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,500 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Topics include: concept of ecological food chain and balance; waste recycling and food production; aquaculture systems and cultivation techniques; fish production; pond fertilization and dynamics; organic loading and waste treatment; livestock and agro-industrial wastes recycling; design, operation and maintenance of integrated systems. For agricultural extension workers and middle management personnel. Annually.

Keywords FRUIT, VEGETABLE, AQUACULTURE, ANIMAL PRODUCTION, FISH

Feeding Value of Mediterranean Forages and By-Products

667

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 05/13/91 Short Course Coordinator
Deadline 02/28/91 Mediterraneo Institute Agronomic de Zaragoza
Duration 3 Weeks Apartado 202
Language E/F/S 50080 Zaragoza, Spain, Europe
Fees 80,000 Spanish pts; exclusive of room, board and insurance

Phone 76-67 60 13
Fax 76-57-63-77
Telex 58672 IAMX E

Contents: Mediterranean forages (general problems in assessing, variability in alfalfa composition, species and shrubs); methods to assess feeding value (chemical/biological methods, technological treatments and economic aspects); utilization of straws (variability, treatments, intake capacity and digesting); by-products (utilization, improvements and value); criteria for selecting animal species and production systems; roundtables.

Keywords FEED, FORAGE, NUTRITION

Computer Applications in Training and Education (ED 05)

668

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 05/13/91 The Director, Continuing Education Center
Deadline 04/01/91 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Objectives: enables participant to produce a computer-assisted instruction (CAI) program; provides current concepts; approaches and techniques appropriate in a computer-based instructional system. Introduction to computing systems; review of instructional systems design and the process of instruction; CAL/CAI, CBL/CBI, CMI - definition and concepts; range of CAI designs; courseware development, testing and evaluation; use of standard languages; computer-managed instruction.

Keywords COMPUTER, TRAINING, EDUCATION

Maintaining Grain Quality

Kansas State University

Manhattan, Kansas, USA

669

Begins 05/13/91 Dr. Roger T. Johnson, Associate Director
Deadline 03/13/91 Weber Hall
Duration 2 Weeks Kansas State University
Language E Manhattan, KS 66506, USA
Fees 1,040 US\$; lodging, meals and personal expenses not included

Phone 913-532-6161
Fax
Telex 510 6000 752 KSU GRAINS

Effective and efficient methods for storing and handling grain, for short or long periods of time. The course will cover U.S. grain standards and the actual operations of the U.S. grain grading system, including the issuance of official export quality inspections. U.S. grain standard and certificates; contract specifications; grain sampling, inspection and grading; grain storage systems, including bag and bulk; grain handling procedures and facilities; cleaning and aeration of grain, segregation of granular material; problems in storing grain, including: 1) moisture and temperature 2) tropical and subtropical conditions 3) insects and other pests 4) molds and mycotoxins 5) prevention of dust explosions.
Keywords STORAGE, GRAIN

Water for Sustainable Development in the 21st Century

University of Illinois-IWRA

Hassan II, Rabat, Morocco

670

Begins 05/13/91
Deadline 03/01/91 International Water Resources Association
Duration 1 Week 205 North Mathews Avenue
Language E Urbana, Illinois 61801, USA
Fees 349 US\$

Phone (217) 333-0536
Fax 217-244-6633
Telex

The IWRA Congresses provide a forum where water professionals and concerned individuals from different countries of the world meet to discuss important water resources issues and problems facing mankind.
Keywords SUSTAINABLE, DEVELOPMENT

Agroforestry Extension and Training

United States Department of Agriculture

University of Florida/Haiti, North America

671

Begins 05/13/91 Short Course Coordinator
Deadline 04/01/91 USDA/OICD/DRD/MCD
Duration 5 Weeks Room 3110-S
Language E Washington, D.C. 20250-4300, USA
Fees 3,210 US\$; includes travel to Haiti/extra \$716.13 to earn 3 credits

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP UC

While emphasizing humid tropics, the course focuses on three areas: 1) understanding agroforestry; 2) diagnosis, design and evaluation of agroforestry; 3) agroforestry extension.
Keywords AGROFORESTRY, EXTENSION

Sustainable Agriculture Utilizing a Systems Approach

Colorado State University-ICARD

Fort Collins, Colorado, USA

672

Begins 05/13/91 Dr. Ronald L. Tinnermeier, Director
Deadline 05/03/91 B302 Clark Building
Duration 4 Weeks Colorado State University
Language E Fort Collins, Colorado 80523, USA
Fees 3,000 US\$; exclusive of room and board

Phone 303-491-7292
Fax 303-491-6441
Telex 452014 ICARD

The objective of this course is to develop an understanding of how the systems approach is used to design and conduct integrated research-extension-farm activities to solve problems of a long-term, viable agriculture.
Keywords SUSTAINABLE, EXTENSION

Conference on Aquifer Restoration, Ground Water Monitoring

National Water Well Association

Las Vegas, Nevada, USA

673

Begins 05/13/91
Deadline 03/13/91
Duration 4 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 495 US\$; excluding lodging

Phone 614-761-1711
Fax 614-761-3446
Telex

The conference will offer an unprecedented number of educational opportunities to environmental professionals. The conference is built around the technical paper presentations. It will truly represent the cutting-edge in ground water monitoring, aquifer restoration and site characterization.
Keywords WATER

Management of Public Sector Organizations

674

United States Department of Agriculture

Washington, D.C. , USA

Begins 05/13/91 Veronica Priddy
Deadline 03/13/91 USDA/OICD/TTD
Duration 6 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,093 US\$; exclusive of room and board

Phone 202-245-5840
Fax 202-245-5960
Telex 7400228 CDOP

The course includes a balance of cognitive and experimental learning opportunities. Simulations, role-plays and case studies developed from participants' experience provide vehicles for further understanding and application of theories and methods presented. The course includes: skill development sessions; group exercises; self and group assessments; presentations and readings on theories.

Keywords MANAGEMENT, ORGANIZATION**Forage Seed Quality Control**

675

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 05/13/91 Director of Training and Information
Deadline 02/15/91 P.O. Box 5689
Duration 2 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 1,550 US\$; inclusive of tuition, materials, room and board

Phone 18-32-15
Fax
Telex ILCA ADDIS 21207

The objectives of the course are to update participants' skills and knowledge in relation to forage seed and to show them how to train their staff in quality control. This will include practical laboratory work and will be complemented by discussions and examples of training techniques appropriate to the activity.

Keywords SEED, PLANT SCIENCE, FORAGE**Keys to Agricultural and Rural Development at the Local Level**

676

New Mexico State University

Las Cruces, New Mexico , USA

Begins 05/12/91 Assistant Director, Center for Int'l Programs
Deadline 04/12/91 Box 30001, Department 3567
Duration 2 Weeks New Mexico State University
Language E Las Cruces, NM 88003-3567 , USA
Fees 690 US\$; exclusive of room, board and insurance

Phone 505-646-4735
Fax
Telex 9109830549

Participants will develop: knowledge and skills to identify key factors in the development of agriculture; analyze the process of agricultural development in a rural community; explore the relationship of socioeconomic factors to technical agricultural development; analyze problems and issues related to implementing changes to improve agriculture in home countries; apply these concepts to home country strategies.

Keywords EXTENSION, RURAL**Environmental Property Assessments**

677

National Water Well Association

Minneapolis, Minnesota , USA

Begins 05/10/91
Deadline 03/01/91
Duration 1 Day 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 245 US\$

Phone 614-761-1711
Fax 614-761-3446
Telex

Crucial points and major issues will be highlighted. The material is aimed at newly practicing professionals or for anyone looking to become familiar with site assessment strategies. Additional courses offered 06/21/91 in Clearwater Beach, Florida and 09/27/91 in Seattle, Washington.

Keywords ENVIRONMENT, ASSESSMENT**Management of Irrigation Projects-TK77-291-91**

678

German Foundation for International Development

Feldafing GDR , Europe

Begins 05/08/91 Deutsche Stiftung für Internationale Entwicklung
Deadline 03/08/91 Zentralstelle für Ernährung und Landwirtschaft
Duration 5 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR , Europe
Fees 7418 Deutsche Marks

Phone 08157-383219
Fax
Telex

Applied management theory; site-appropriate management concept of irrigation systems; systemic nature of irrigation; significance of local situation for successful management (situation analysis); goal analysis; importance of participation by water users; irrigation-specific management function; examples of successful management concepts; organization of water-user groups; appropriate methods of data collection and evaluation (action research, monitoring and evaluation); problems of resource mobilization.

Keywords IRRIGATION, WATER

Microwave Technology

679

The Center for Professional Advancement

Somerset, New Jersey, USA

Begins 05/07/91 Registrar
Deadline 03/07/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 1,085 US\$; exclusive of room and board

Phone 201-613-4500
Fax
Telex 139303 (CENPRO EBRW)

Covers microwave (MW) oven and industrial heating areas Fundamental principles of MWs and product development techniques, packaging and utensils. Discusses: industrial applications using MW and dielectric heating systems; moisture analysis; safety and measurements; equipment and product performance testing. Non-mathematical with electronics minimized. For those in product and process development contemplating MW power for industrial purposes or home MW oven use.

Keywords FOOD SCIENCE**Principles of Ground Water Hydrology**

680

National Water Well Association

Nashville, Tennessee, USA

Begins 05/07/91
Deadline 03/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 195 US\$; lodging not included

Phone 614-761-1711
Fax 614-761-3446
Telex

This course examines concepts, theories and procedures in hydrogeology. The course is aimed at geoscientists and engineers who want to expand their knowledge of ground water science. Discussions will address a wide range of issues including: the movement and occurrence of ground water; transmissivity; hydraulic head and gradient; aquifer test procedures; water quality characterization; solute transport; plume configuration and delineation; ground water modeling. Additional courses 07/16/91 in Nashville, Tennessee and 09/16/91 in Dublin, Ohio.

Keywords HYDROLOGY, WATER**Training of Trainers**

681

Graduate School, USDA

Washington, D.C., USA

Begins 05/06/91 Dr. Robert Mashburn, Director
Deadline 04/06/91 International Education and Training
Duration 4 Weeks 600 Maryland Avenue S.W., Room 140
Language E Washington, D.C. 20024, USA
Fees 2,950 US\$; exclusive of living costs

Phone 202-447-7476
Fax 202-382-8403
Telex 756563 GS INTL WSH

Emphasis on: development and utilization of training materials; effective use of audio-visual aids and video equipment; design of course curriculum; basic principles of adult education; evaluation techniques; participant preparation and presentation of training lessons. Site visits are made to area government and private industry training facilities. Additional course 05/04/92.

Keywords EXTENSION, TRAINING, VIDEO**Engineering for Rice Agriculture**

682

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 05/06/91 Head, Training Center
Deadline 04/01/91 International Rice Research Institute
Duration 6 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

The aim of the course is to increase income and welfare of small rice farmers through use of suitable inexpensive farm machines. Course content includes power tiller, reaper-harvester, axial-flow thresher, transplanter, seed and fertilizer application. Participants are expected to: recall design concept components and functions of IRRI-developed machines; list steps in operation, testing, evaluation and maintenance; describe steps in manufacture, actual disassembly and assembly.

Keywords ENGINEERING, PLANT SCIENCE, RICE**Agroforestry: Sustainable Land Use for the Humid Tropics**

683

University for Peace

San Jose, Costa Rica, South America

Begins 05/06/91 Mr. Rolain Borel
Deadline 04/01/91 University for Peace
Duration 3 Weeks Apartado 199, 1250 Escazu
Language S San Jose, Costa Rica
Fees 2,200 US\$; plus airfare

Phone 506-491324
Fax 506-491929
Telex

Designed for development planners, university and technical school lecturers, conservationists, resource planners and specialists in related fields.

Keywords AGROFORESTRY, TROPICAL, LAND USE

Sensory Evaluation

The Center for Professional Advancement

Central New Jersey, USA

684

Begins 05/06/91
Deadline 03/06/91 P. O. Box 964
Duration 4 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 1,310 US\$; exclusive of room and board

Phone 908-613-4535
Fax
Telex

This short course is designed to assist those who must select, conduct, analyze and interpret sensory evaluation methods. The approach will be practical with lecture, laboratory and problem-solving sessions. Topics covered will include: sensory physiology; method selection; discriminative and descriptive testing; preference/acceptance testing; statistical analysis of data.

Keywords FOOD SCIENCE**Practical Pipeline Design and Construction**

University of Wisconsin

Madison, Wisconsin, USA

685

Begins 05/06/91 Dr. Fey
Deadline 03/06/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 625 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This course will teach you how to analyze and design rigid and flexible underground pipeline systems, with consideration to the nature of the substance carried, the effects of external loads and the hydraulic characteristics of the pipeline material.

Keywords WATER, ENGINEERING**Pesticide Safety (Including Application Technology)**

The University of the West Indies

St. Augustine, Trinidad, North America

686

Begins 05/06/91 The Programme Coordinator
Deadline 03/06/91 Tropical Agricultural Technology Training Unit
Duration 1 Week Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 500 US\$; extra 375 US\$ accommodations

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: classification of pesticides; pesticide formulations and mixtures; adjuvants; the toxicity of pesticides; protective clothing and equipment; handling pesticides safely; first aid for pesticide poisoning; fate of pesticides in the environment; storing and mixing pesticides; methods of pesticide application; application equipment; calibration of sprayers operation and maintenance of application equipment; pesticide laws and regulations.

Keywords PEST**Agribusiness Management**

Land O'Lakes

Minneapolis, Minnesota, USA

687

Begins 05/05/91 Manager, International Training
Deadline 03/01/91 P. O. Box 116
Duration 4 Weeks
Language E Minneapolis, MN 55440, USA
Fees 3,180 US\$; exclusive of living allowance and health insurance

Phone 612-481-2222
Fax 612-481-2022
Telex 212333 ILOL UR

Participants improve and expand their management and business skills to promote agricultural growth and development in their home countries. Target audience: Managers or supervisors from public or private agribusinesses.

Keywords AGRIBUSINESS, COOPERATIVE, MANAGEMENT, LEADERSHIP**On-Farm Irrigation Design and Evaluation**

Utah State University

Utah, Colorado, USA

688

Begins 05/05/91 International Irrigation Center
Deadline 04/03/91
Duration 6 Weeks Utah State University
Language E/S Logan, UT 84322-4150, USA
Fees 3,975 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789426 UTAHSTATE LOGN

Course presents: on-farm system planning and investigation; design principles for sprinkle, drip and the various surface irrigation methods; concepts in applied hydraulics and irrigation system evaluation; soil-plant-water relationships and crop water requirements; costs and benefits of the different irrigation methods. Additional course offered 05/03/92 for 3,975 US\$, also available upon request.

Keywords IRRIGATION, PLANNING, HYDROLOGY

Tropical Fruit Crop Production for Export

The University of the West Indies

The Republic of Trinidad & Tobago, Port of Spain, North America

689

Begins 05/05/91 The Programme Coordinator
Deadline 03/05/91 Tropical Agricultural Technology Training Unit
Duration 2 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees £00 US\$; accommodations extra 1,060 US\$

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: the export market for tropical fruits and fruit products; production technologies for selected fruit crops including citrus, mangoes, avocados, passion fruit, pineapple, papaya, breadfruit, plantains and several minor fruit; principles of fruit crop production; fruit processing; postharvest handling and packaging of tropical fruits and fruit products; shipping arrangements; preparation of a loan application for a fruit crop production venture.

Keywords TROPICAL, FRUIT, PRODUCTION

Managing Rural Banks and Credit Institutions

Agricultural Cooperative Development International

Washington, D.C., USA

690

Begins 05/01/91 Education and Training Department
Deadline 04/01/91 50 F Street N.W., Suite 900
Duration 4 Weeks
Language E Washington, D.C. 20001, USA
Fees 3,400 US\$; extra maintenance of \$3,600 suggested

Phone 202-638-4661
Fax
Telex 160923

Topics include: Economic role of rural programs in rural development; management principles and procedures related to a credit institution; personnel management and motivation; loan portfolio strategies; interest rates; risk evaluation; other aspects of financial management; strategic and operational planning; financial management; strategic and operational planning.

Keywords CREDIT, MANAGEMENT

Rural Energy Planning and Environment

University of Twente

Enschede, the Netherlands, Europe

691

Begins 05/00/91 Technology and Development Group
Deadline 04/01/90 University of Twente
Duration 9 Weeks P.O. Box 217
Language E 7500 AE Enschede, the Netherlands, Europe
Fees 5,500 Dfl.

Phone
Fax
Telex

Objective: training for district level and regional officials to rationalize rural energy policy as related to the overall rural economy, and to solve energy problems through efficient analysis and planning. Lectures, workshops and case studies on energy technology (including wood/biomass, wind and hydro, solar), energy planning, problems of implementation and management, and excursions.

Keywords RURAL, ENVIRONMENT, PLANNING

Resource Management

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad, India

692

Begins 05/00/91 Program Leader
Deadline 01/00/91 Principal Training Officer, ICRISAT
Duration 6 Months Patancheru P.O.
Language E Andhra Pradesh 502 324, India, Asia
Fees 5,100 US\$

Phone 91-842-22-4016
Fax 91-842-24-1239
Telex 422203 ICRI IN

This course covers: cropping systems research methods; soil and water management in watershed systems; agroclimatology and research farm management skill development. Selected emphasis on related sciences and data analysis.

Keywords NATURAL RESOURCES

Production Agronomy

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad, India

693

Begins 05/00/91 Program Leader
Deadline 01/00/91 Principal Training Officer, ICRISAT
Duration 6 Months Patancheru P.O.
Language E Andhra Pradesh 502 324, India, Asia
Fees 5,100 US\$

Phone 91-842-22-4016
Fax 91-842-24-1239
Telex 422203 ICRI IN

This course covers: sorghum; pearl millet; pigeonpea and groundnut production factors. With special emphasis on: soils; soil fertility; agroclimatology; plant establishment; soil and plant management; weed control; data analysis; post harvest utilization; research management and technology transfer technique: with a systems approach.

Keywords PLANT SCIENCE, AGRONOMY

Legumes Improvement

694

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad , India

Begins 05/00/91 Program Leader
Deadline 01/00/91 Principal Training Officer, ICRISAT
Duration 6 Months Patancheru P.O.
Language E Andhra Pradesh 502 324, India , Asia
Fees 5,100 US\$

Phone 91-842-22-4016
Fax 91-842-24-1239
Telex 422203 ICRI IN

This course covers: pigeonpea and groundnut breeding methods; practical skill development and field techniques. With special emphasis on selected areas: entomology; pathology; physiology; biotechnology; biochemistry; genetic resources; data analysis; production methods breeding nursery management; research management with a systems approach.
Keywords PLANT SCIENCE, AGRONOMY

Cereals Improvement

695

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad , India

Begins 05/00/91 Program Leader
Deadline 01/00/91 Principal Training Officer, ICRISAT
Duration 6 Months Patancheru P.O.
Language E Andhra Pradesh 502 324, India , Asia
Fees 5,100 US\$

Phone 91-842-22-4016
Fax 91-842-24-1239
Telex 422203 ICRI INN

Course covers: sorghum and pearl millet breeding methods; practical skill development and field techniques. With selected emphasis on: entomology; pathology; physiology; biotechnology; biochemistry; genetic resources; data analysis; breeding nursery management; research station management with a systems approach.
Keywords ENTOMOLOGY, AGRONOMY, PLANT SCIENCE

Good Manufacturing Practices (GMP) for the Food Industry

696

The Center for Professional Advancement

Chicago, Illinois , USA

Begins 04/30/91 Registrar
Deadline 02/30/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964 , USA
Fees 940 US\$; exclusive of room and board

Phone 201-613-45 J
Fax
Telex 139303 (CENPRO EBRW)

GMP law emphasizes role of control of microbiological contaminants to achieve product safety. Topics include: interrelationship of GMPs and microorganisms; role of environment, raw materials, process and quality control laboratory; technical aspects of sanitation in terms of chemistry, equipment and application. Features the applicability of the technique Hazard Analysis Critical Control Points (HACCP). Problem solving will receive special attention.
Keywords FOOD SCIENCE

Project Planning for Agriculture and Rural Development (140-15)

697

United States Department of Agriculture

Washington, D.C. , USA

Begins 04/29/91 Howard Oppen, PM 132
Deadline 02/29/91 USDA/OICD/ITD
Duration 5 Weeks United States Dept of Agriculture
Language E Washington, DC 20250-4300 , USA
Fees 4,114 US\$; exclusive of maintenance allowance

Phone
Fax 202-245-5960
Telex 7400228 CDOP UC

Project planning from both the standpoint of establishing and accomplishing project objectives and of formulating a design that can be implemented in a successful and timely manner.
Keywords RURAL, PLANNING, PROJECT

Management Skills for Women in Developing Countries

698

Oregon State University

Corvallis, Oregon , USA

Begins 04/29/91 Training Coordinator
Deadline 03/29/91 Office of International Research & Development
Duration 4 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641 , USA
Fees 3,250 US\$; exclusive of room and board

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

Course on management skills for professional women in developing countries. Focus on developing managerial skills to the individual work settings of the participants, including private and public sector, non-government and private voluntary organizations. Focus on management skills such: as planning, organizing, staffing and leadership; interpersonal and communication; management groups and motivation innovation; cultural influence on organizational behavior and management; working with donor agencies and development bureaucracies; management for women in development projects.
Keywords WOMEN, MANAGEMENT, GENDER

Measurement of Wages, Salaries, and Other Compensation

699

United States Department of Labor

Washington, D.C., USA

Begins 04/29/91 John T. McCracken, Director
Deadline 02/01/91 United States Department of Labor, Room S-1310
Duration 6 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 3,235 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Covers the design, implementation and analysis of surveys to collect information on wages, salaries and other compensation of workers. Reliable statistics are useful to labor and management in collective bargaining and in labor negotiations, and to governments formulating public policy on wages, such as minimum wage legislation and wage and salary administration. Levels and trends of pay rates by occupation, industry, locality and region are important in the analysis of current economic developments and in studies of wage dispersion and differentials.

Keywords DESIGN, ANALYSIS, SURVEY**International Food Legume Research Conference**

700

University of Saskatchewan

Cairo, Egypt

Begins 04/28/91 Dr. A. E. Slinkard
Deadline 02/28/91 IFLRC-II
Duration 1 Week Crop Development Center
Language E Saskatchewan, Canada
Fees not available

Phone
Fax
Telex

Keywords FOOD PRODUCTION**Southeast Asia Food Executive Program**

701

Cornell University

Ithaca, New York, USA

Begins 04/28/91 James E. Haldeman, Assistant Director
Deadline 01/28/91 Department of Communication
Duration 1 Week 317A Kennedy Hall
Language E Ithaca, NY 14853, USA
Fees 1,200 US\$; living expenses estimated 80 US\$ daily

Phone 607-255-3035
Fax 607-255-1005
Telex 559020 INTAG CORNELL

The purpose of this program is to increase participants' understanding of current U.S. food retailing and distribution issues, problems, solutions, practices and techniques. Special emphasis is placed on comparisons of the U.S. food marketing and distribution system with those of countries represented by the participants.

Keywords MARKETING, MANAGEMENT, LEADERSHIP**Sustainable Development**

702

University of Edinburgh

Edinburgh, Scotland, Europe

Begins 04/26/91 TROPAG Office
Deadline 02/01/91 School of Agriculture
Duration 13 Weeks West Mains Road
Language E Edinburgh EH9 3JG, UK
Fees 3,900 British pounds + tax; exclusive of room and board

Phone 031-667-1041 X375
Fax 031-667-2601
Telex 727617 ESCA G

To: identify requirements for sustainable development; develop practical skills in analytical and planning methodology; evaluate characteristics of relevant disciplines in order to design consistent long-term strategies; emphasize holistic aspect of national development requirements related to respective interest of participants. Additional course offered 03/24/92 for 10 weeks.

Keywords DEVELOPMENT, SUSTAINABLE**Women and Agricultural Development**

703

University of Reading

Reading, England, Europe

Begins 04/25/91 Ms. Janice Smithells, Course Director
Deadline 04/01/91 AERDD
Duration 10 Weeks No. 3, Earley Gate, Whiteknights Road
Language E Reading RG6 2AL, UK
Fees 2,325 British pounds; tuition and full board

Phone 0734-318876
Fax
Telex 847813 RULIB G

Keywords WOMEN, DEVELOPMENT

Geologic Modeling of Depositional Environments & Application to Ground Water

704

National Water Well Association

Charleston, South Carolina, USA

Begins 04/24/91
Deadline 02/24/91
Duration 4 Days
Language E
Fees 975 US\$; exclusive of room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

The course begins with introductory material on creating a depositional model. Subsequent discussions will address the specific characteristics of various depositional environments. Daily field trips will provide you with first-hand views of the discussed principles. Also, case studies will be presented to spotlight the connection between modern and ancient depositional environments in terms of ground water flow. Additional course offered 09/18/91 in Mt. Pleasant, South Carolina.

Keywords WATER, HYDROLOGY**Agricultural Marketing**

705

Mananga Agricultural Management Centre

Mhlume, Swaziland, Africa

Begins 04/22/91 The Director
Deadline 02/25/91 P. O. Box 20
Duration 4 Weeks
Language E Mhlume, Swaziland, Africa
Fees 3,700 British pounds; tuition and full board

Phone 31133/31334
Fax 31135
Telex 2320 WD Swaziland

Course will draw on participants' experiences and skills. It will aim to enhance participants' abilities and understanding in the following areas: analysis of role of agricultural marketing institutions; identification of methods to promote change; management of marketing institutions.

Keywords MARKETING, AGRICULTURE**Food Extrusion Technology**

706

The Center for Professional Advancement

East Brunswick, New Jersey, USA

Begins 04/22/91 Registrar
Deadline 02/22/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964, USA
Fees 940 US\$; exclusive of room and board

Phone 201-613-4500
Fax
Telex 139303 (CENPRO EBRW)

Designed to provide thorough background in extrusion principles and practice. Details of both single and twin screw extrusion of foods will be covered. Emphasis will be on applying basic process engineering, along with calculations describing extrusion operation to give background necessary to understand the extrusion process. Will also describe chemical nature and modifications of food components making up ingredients commonly used in extrusion operations.

Keywords FOOD SCIENCE**Agricultural Water Management**

707

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 04/22/91 Student Recruitment Executive
Deadline 03/01/91
Duration 12 Weeks Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 4,500 British pounds; tuition and accommodations but not meals

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

In 5 modules: Introduction; Foundation Units: (crop agronomy, soil-plant-water relations, hydrology,); Applied Units: (irrigation, soil tillage, drainage, soil management and reclamation, remote sensing, project monitoring/evaluating); participant will gain organizational objectives and as a result managers return to their organization equipped with range of practical management skills.

Keywords WATER, IRRIGATION, AGRONOMY**Economic Indicators**

708

United States Department of Labor

Washington, D.C., USA

Begins 04/22/91 John T. McCracken, Director
Deadline 02/01/91 United States Department of Labor, Room S-1310
Duration 4 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210, USA
Fees 2,220 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Seminar singles out the most important indicators, studies how they signal changes in the direction of the economy or economic activity and develops participants capabilities in analyzing the impact of and correlation among these important economic indicators. Economic indicators to be discussed will be: Employment; wages; prices; industrial production; manufacturing and trade sales; currency exchange rates; money supply and interest rates.

Keywords ECONOMICS, STATISTICS

Environmental Management in Development
Mananga Agricultural Management Centre

709

Mhlume, Swaziland , Africa

Begins 04/22/91 The Director
Deadline 02/25/91 P. O. Box 20
Duration 4 Weeks
Language E Mhlume, Swaziland , Africa
Fees 370,000 british pounds; inclusive of tuition & full board

Phone 31133/31934
Fax 31135
Telex 2320 WD Swaziland

The course is designed to strengthen the capacity of managers to appreciate and understand environmental issues in development. This will facilitate their ability to focus on and implement dynamic and coherent development policies taking full account of the impact on the environment of such developments. The course is also designed to: broaden knowledge of environment issues; develop and enhance skills in environmental impact assessment; change the attitude and behavior of participants so that they can perform their duties effectively and become environmentally sensitive developers.

Keywords ENVIRONMENT, MANAGEMENT, DEVELOPMENT

Microcomputer Applications in Agricultural Management
Silsoe College

710

Silsoe, Bedford, United Kingdom , Europe

Begins 04/22/91 Student Recruitment Executive
Deadline 03/01/91
Duration 3 Months Silsoe Campus
Language E Silsoe, Bedford MK45 4DT , UK
Fees 4,850 British pounds; 450 British pounds housing, meals not included

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

The objective of this course is to provide managers working in agricultural or rural development with an opportunity to develop: 1) an appreciation of potential applications of micro-computers in agri. mgmt. ; 2) a range of microcomputer skills applicable to managerial work; 3) an understanding of the role and potential contribution of specialist computer personnel; 4) the skills needed effectively to integrate microcomputer facilities and personnel into organizational structure and culture.

Keywords COMPUTER, AGRICULTURE, MANAGEMENT

Developing Income Generating Enterprise
Cranfield School of Management

711

Bedford, England , Europe

Begins 04/21/91 Mr. Malcolm Harper, Director, Enterprise Dev.
Deadline 03/01/91 Cranfield School of Management
Duration 6 Weeks
Language E Cranfield, Bedford, MK43, OAL, England , UK
Fees 3,900 British pounds; includes course fee and full room and board

Phone 0234-751122
Fax 0234-751806
Telex 826559 CITMAN G

Designed to improve skills in assisting in developing local income generating activities. Subjects covered: program design and management; credit; sustainability; group enterprise; technology; marketing; advise and counseling; community development and enterprise; donor relations; disadvantaged groups. For voluntary agency personnel working in agriculture or community development.

Keywords ENTERPRISE, BUSINESS, MARKETING

Regulatory Compliance for the Food Industry
The Center for Professional Advancement

712

Central New Jersey , USA

Begins 04/17/91
Deadline 02/17/91 P. O. Box 964
Duration 3 Days
Language E East Brunswick, NJ 08816-0964 , USA
Fees 940 US\$; exclusive of room and board

Phone 908-613-4547
Fax
Telex

This course will enable participants to become familiar with: all current FDA laws, regulations, practices and procedures governing the marketing of human food; the FDCA and FPLA case law; the FDA's authority to promulgate and enforce regulations. Among the topics to be discussed will be: FDA's regulatory policies; compliance programs; the Regulatory Procedures Manual and the Inspection Operations Manual; the regulatory process.

Keywords FOOD SCIENCE, MARKETING

Managing Your Infectious and Hazardous Wastes
University of Wisconsin

713

Madison, Wisconsin , USA

Begins 04/17/91
Deadline 02/17/91 Engineering Information, The Wisconsin Center
Duration 3 Days 702 Langdon Street, University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 660 US\$; exclusive of room and board

Phone 608-262-1299
Fax 608-263-3160
Telex

This seminar will describe for you the latest EPA regulations, policies, equipment and procedures being employed by waste specialist who are involved in all aspects of infectious and hazardous waste management.

Keywords WASTE, ENVIRONMENT

Strategic Management of Non-Governmental Organizations

714

The Experiment in International Living

Brattleboro, Vermont, USA

Begins 04/15/91 Mr. Leslie Long
Deadline 02/15/91 School for Intl. Training, E.L.L.
Duration 4 Weeks P.O. Box 676, Kipling Road
Language E Brattleboro, VT 05301, USA
Fees 3,400 US\$; exclusive of room and board

Phone 802-257-7751
Fax 802-254-6674
Telex 6817462 EXPER UW

This course is designed for senior-level managers of non-governmental development organizations and NGO liaison officers within government ministries and donor agencies. Participants will: gain insight into their own organization's resources and constraints; better read their external environment and trends; be able to initiate a strategic planning process in their organizations. During the course, brings together NGO representatives from the United States and around the world.

Keywords MANAGEMENT, PLANNING, LEADERSHIP

Managing Tropical Natural Forests for Non-Timber Forest Products and Environment

715

University for Peace

Escazu, Costa Rica, South America

Begins 04/15/91 Mr Gerardo Budowski
Deadline 03/01/91 University for Peace
Duration 2 Weeks Apartado 199, 1250 Escazu
Language S San Jose, Costa Rica
Fees 2,000 US\$; plus airfare

Phone
Fax 506-491929/534227
Telex

Course content information not available. Designed for university and technical school lecturers, conservationists, resource planners and related specialists.

Keywords ENVIRONMENT, FORESTRY, TROPICAL, NATURAL RESOURCES

Management for Biotic Diversity Workshop

716

Colorado State University-ISFNR

Fort Collins, Colorado, USA

Begins 04/15/91 Drs. Richard L. Knight and Luke George
Deadline 02/15/91 102 Natural Resources, Coll. of For. & Nat. Res.
Duration 1 Week Colorado State University
Language E Fort Collins, Colorado, USA
Fees 400 US\$; exclusive of room and board

Phone
Fax
Telex

The objectives of the workshop are to introduce participants to the field of conservation biology and to common problems encountered in the management for biotic diversity.

Keywords NATURAL RESOURCES

Personnel Management

717

University of Manchester

Manchester, United Kingdom, Europe

Begins 04/15/91 Dr. Harry Taylor, Program Director
Deadline 02/15/91 Institute for Development Policy and Management
Duration 12 Weeks Manchester University, Precinct Centre Oxford Rd
Language E Manchester M13 9QS, UK
Fees 5,990 British pounds; inclusive of accommodations and fieldwork

Phone 061-275-2800
Fax 061-273-8829
Telex 669755 OFFICE G attn. IDPM

This program has four main stages: 1) personal development/analysis of participant requirements; 2) compulsory core modules: I. context of personnel management; II. employee resourcing; III. employee development; IV. employee relations; 3) option modules/projects; 4) action planning/integration/evaluation.

Keywords PERSONNEL

Modflow for Simulation of Ground Water Flow and Advective Transport

718

National Water Well Association

Reston, Virginia, USA

Begins 04/15/91
Deadline 02/15/91
Duration 5 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 1,400 US\$; exclusive of room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

This course is designed to introduce you to key concepts in applying ground water flow models (specifically MODFLOW and MODPATH) for analysis of complex hydrogeologic systems. After completing the course you will feel comfortable applying models to real-world situations. You will be able to input data, run a model and retrieve output as you would in an everyday work environment. Additional course offered 11/18/91 in Dallas, Texas.

Keywords WATER, HYDROLOGY

Agribusiness: Dev. & Mgmt. of Small & Medium-Sized Enterprise in the Caribbean
The University of the West Indies

719

The Rockley Resorts, Christchurch,
Barbados, North America

Begins 04/15/91 The Programme Coordinator
Deadline 02/15/91 Tropical Agricultural Technology Training Unit
Duration 2 Weeks Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 800 US\$; extra 1,390 room and board

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Participants will develop skills as follows: diagnosis of their own business situation; know what are the basic records to be kept; how to analyze their business performance; learn procedures for making decisions on investment, cash management and financing their business; learn how to develop a business plan; basic issues in personnel management; familiarity with the micro-computer and application in business management; how to monitor and control business activities.

Keywords AGRIBUSINESS, TROPICAL, MANAGEMENT, DEVELOPMENT

Sanitary Landfill Leachate and Gas Management
University of Wisconsin

720

Madison, Wisconsin, USA

Begins 04/09/91 John Quigley, Program Director
Deadline 02/09/91 Engineering Information, The Wisconsin Center
Duration 4 Days 702 Langdon Street, University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 790 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

In response to landfill leachate and gas management problems the course describes problems likely to occur and appropriate responses. Stress will be on the implications of critical decisions that are made during landfill design and operation. The latest research findings will be presented together with the broad practical experiences of the faculty. Designed for solid waste specialists, landfill operators, managers, designers and regulatory specialists.

Keywords LAND USE, MANAGEMENT, WASTE

Reclaimed Municipal Wastewater for Irrigation
University of California

721

Davis, California, USA

Begins 04/08/91 International Training and Education Center
Deadline 03/08/91 University Extension
Duration 2 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees 1,040 US\$; additional \$920 for room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 406838

Topics include: overview of California experience; health aspects; characteristics/treatment; quality criteria; irrigation planning; evapotranspiration; rainfall; irrigation scheduling; crops and soil management; water movement and fate of contaminants; irrigation methods; computer applications for scheduling and management. Designed for civil, sanitary and agricultural engineers, agronomists and professionals involved in reclaiming municipal wastewater for irrigation.

Keywords IRRIGATION, WASTE, WATER

Hazardous Waste Management: the Superfund Program
Duke University

722

Durham, North Carolina, USA

Begins 04/08/91 Intensive Course Coordinator
Deadline 02/08/91 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706, USA
Fees not available

Phone 919-684-2135
Fax 919-684-8741
Telex

Provides an understanding of the Superfund toxic site clean-up program. Focuses on application and implementation. Topics include: dynamics of the regulatory and policy process; EPA's strategy for implementation; key regulation policy; statutory requirements; specifics and implementation of removal and remedial programs, including health and safety, clean-up and contractor management; Superfund issues including liability, negotiations, federal facilities, on-site treatments. Presentations by senior managers from EPA and the private sector.

Keywords WASTE, ENVIRONMENT

U.S. Grain Marketing System Short Course
Kansas State University

723

Manhattan, Kansas, USA

Begins 04/08/91 Dr. Roger T. Johnson
Deadline 02/08/91 Weber Hall
Duration 2 Weeks Kansas State University
Language E Manhattan, KS 66506, USA
Fees 950 US\$; inclusive of food and lodging

Phone 913-532-6161
Fax
Telex 510 6000 752 KSU GRAINS

Designed to give individuals a better understanding of how the U.S. marketing system operates. With insight into the U.S. market, overseas officials and merchandisers will be able to buy U.S. grains with confidence, effectiveness and efficiency. Course content: grain production and handling; cash and futures markets; grain prices; contracts and financing; ocean transportation; grain standards and grain grading; grain storage and quality preservation; grain milling and processing.

Keywords MARKETING, GRAIN, STORAGE

Computer Packages for Users of Labor Statistics

724

United States Department of Labor

Washington, D.C. , USA

Begins 04/08/91 John T. McCracken, Director
Deadline 02/01/91 United States Department of Labor, Room S-1310
Duration 8 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210 , USA
Fees 4,190 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Designed for users and analysts of labor statistics who would like to learn how computers might assist them. Participants gain a general understanding of different types of computers and their capabilities. They will also develop a basis for making informed decisions about procuring computing equipment. Participants will use software packages that will enable them to summarize, estimate and present data in tables; select samples, control responses and assist in production tasks; and analyze data using a variety of techniques. No previous experience in using computers is required.

Keywords COMPUTER, LABOR, STATISTICS**Human Resource Management**

725

The Experiment in International Living

Brattleboro, Vermont , USA

Begins 04/08/91 Leslie Long, Manager, Participant Training Unit
Deadline 03/08/91 School for Intl. Training, E.I.L.
Duration 6 Weeks P.O. Box 676, Kipling Road
Language E Brattleboro, VT 05301 , USA
Fees 5,350 US\$; exclusive of room and board

Phone 802-257-7751
Fax 802-254-6674
Telex 6817462 EXPER UW

For managers and trainers responsible for human resource development. Participants will learn to: create systems for staff recruitment, selection, training and development; develop personal skills in leadership; enhance employee motivation and productivity; maintain open and effective communication among staff and implement an effective performance appraisal system. Field visits to public and private sector organizations will enable participants to see personnel and human resource planning and management in action.

Keywords HUMAN RESOURCES, COMMUNICATION, PLANNING**Computerized Data Handling for Agroforestry Experiments**

726

International Council for Research in Agroforestry

ICRISAT and Niger , Africa

Begins 04/08/91 Training Programme Coordinator
Deadline 02/01/91 International Council For Research in Agroforestry
Duration 2 Weeks P.O. Box 30677
Language F Nairobi, Kenya , Africa
Fees not available

Phone
Fax 254-2-521001
Telex

Additional course 10/00/91 in Ethiopia.

Keywords COMPUTER, DATA, AGROFORESTRY**Designing Wastewater Pumping Systems and Lift Stations**

727

University of Wisconsin

Madison, Wisconsin , USA

Begins 04/08/91 Dr. Fey
Deadline 02/08/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 650 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

Participants learn design techniques that will improve your ability to select the most cost-effective pumping systems for handling wastewater. Discover how head characteristics, pump and motor efficiencies and components affect your design.

Keywords WASTE, WATER**Promotion of Rural Development in the Tropics and Subtropics 9.01a/91-TK76-264-91**

728

German Foundation for International Development

Feldafing GDR , Europe

Begins 04/05/91 Deutsche Stiftung fur Internationale Entwicklung
Deadline 12/05/90 Zentralstelle fur Ernahrung und Landwirtschaft
Duration 6 Weeks Wielinger Strasse 52
Language E D-8133 Feldafing, GDR , Europe
Fees 13410 Dm

Phone 08157-383219
Fax
Telex

Conceptual basis of planning processes, especially for the systems approach; planning on the basis of existing structures and interlinkages; incorporation of the family farm as the nucleus of development in rural areas. On completion of the program, participants will be able to apply basic principles and techniques of promoting rural development programs. Additional course in French on 10/04/91.

Keywords TROPICAL, RURAL

Noncomplying Municipal Wastewater Treatment Plants

729

University of Wisconsin

Madison, Wisconsin, USA

Begins 04/03/91 Dr. Fey
Deadline 02/03/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 625 US\$; exclusive of room and board

Phone 800-462-0876
Fax 603-263-3160
Telex

This course will focus on substandard performance of municipal wastewater treatment plants. The U.S. EPA, under the National Municipal Compliance Policy, is increasing its enforcement of effluent permit limitations, making this course all the more vital to plant managers, design engineers, and others responsible for municipal wastewater treatment.

Keywords WASTE, WATER**Windbreak Technology**

730

United States Department of Agriculture

Ft. Worth, Texas, USA

Begins 04/01/91 National Employment Development Staff
Deadline 03/01/91 USDA, Soil Conservation Service
Duration 1 Week P.O. Box 6567
Language E Ft. Worth, TX 76115, USA
Fees not available

Phone 817-334-5401
Fax
Telex

Participants learn to: determine types of Windbreaks (WBs) needed; describe how WBs function and the benefits of WBs; identify areas needing protection and suggest alternatives based on owner objectives and site features; prepare a WB planting plan; identify planting stock, its care and tree planting methods; direct and implement of the planting plan; convey to others the necessary maintenance procedures; conduct a WB training session. Additional courses 05/13/91 in Salt Lake City, Utah and 06/17/91 in Fort Collins, Colorado.

Keywords SOIL, CONSERVATION, FORESTRY, ENVIRONMENT**Coastal Zone Management**

731

Duke University

Durham, North Carolina, USA

Begins 04/01/91 Course Coordinator
Deadline 02/01/91 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706, USA
Fees not available

Phone 919-684-2135
Fax 919-684-8741
Telex

Coastal zone issues and examination of the coastal resource. Basic understanding of the legal framework within which coastal zone management must operate. How the regulatory regime is used to achieve effective management. Examines how other developed and undeveloped countries have addressed coastal zone management. Examines international planning and future issues.

Keywords WATER, MARINE**Agroforestry Information Management**

732

International Council for Research in Agroforestry

Senegal, Africa

Begins 04/00/91 Training Programme Coordinator
Deadline 02/01/91 International Council For Research in Agroforestry
Duration 2 Weeks P.O. Box 30677
Language F Nairobi, Kenya, Africa
Fees not available

Phone
Fax 254-2-521001
Telex

not available

Keywords AGROFORESTRY, INFORMATION**Forest Engineering Institute**

733

Oregon State University

Corvallis, Oregon, USA

Begins 03/27/91 Training Coordinator
Deadline 02/01/91 Office of International Research & Development
Duration 10 Weeks Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 2,650 US\$; includes materials, transport, and field trips & software

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

ANNUALLY. An intensive program designed to provide people with up-to-date information on environmentally sound, economical timber harvesting and forest roads. Components include: logging systems; engineering economics; forest roads and transportation planning; watershed management. For forest managers, planners and people in charge of roads and harvesting.

Keywords FORESTRY, ENGINEERING

Analysis and Design of Aquifer Tests

National Water Well Association

Dublin, Ohio (Columbus), USA

734

Begins 03/25/91
Deadline 01/25/91
Duration 4 Days
Language E
Fees 845 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

This course provides detailed information about aquifer testing and analysis. Insight is provided into the following topics: the purpose of aquifer testing; types and limitations of aquifer tests; fundamentals of well hydraulics; pretest calculations and data preparation; confined, semiconfined and unconfined conditions; analysis of pumping tests and slug injection/withdrawal tests; porous and fracture-flow theory; other related issues. Additional course offered 09/10/91.

Keywords ANALYSIS, DESIGN, WATER**Environmental Toxicology and Risk Assessment**

Duke University

Durham, North Carolina, USA

735

Begins 03/25/91
Deadline 01/25/91
Duration 1 Week
Language E
Fees not available

Course Coordinator
 School of Forestry and Environmental Studies
 Duke University
 Durham, North Carolina 27706, USA

Phone 919-684-2135
Fax 919-684-8741
Telex

Fundamental understanding of processes that control the transport fate and effects of key groups of environmental contaminants. Analyzed in the context of risk assessment, using the tools of modeling, uncertainty analysis and decision theory.

Keywords ENVIRONMENT, ASSESSMENT**Investigation and Remediation for Sites Contaminated With Hazardous Waste**

University of Wisconsin

Tampa, Florida, USA

736

Begins 03/25/91
Deadline 01/25/91
Duration 3 Days
Language E
Fees 745 US\$; exclusive of room and board

Dr. Roy G. Holub
 432 North Lake Street
 University of Wisconsin
 Madison, Wisconsin 53706, USA

Phone 608-262-8707
Fax 608-263-3160
Telex

This course will provide state-of-the-art information that you can use for designing and implementing subsurface investigations and remediation programs for sites contaminated with petroleum products and other hazardous wastes. Additional Course Offered 08/21/91 in Seattle Washington.

Keywords WASTE, ENVIRONMENT**Applying Computer Programming to Unsteady Stream Flow**

University of Wisconsin

Madison, Wisconsin, USA

737

Begins 03/25/91
Deadline 01/25/91
Duration 4 Days
Language E
Fees 800 US\$; exclusive of room and board

Dr. Fey
 432 North Lake Street
 University of Wisconsin
 Madison, Wisconsin 53706, USA

Phone 800-462-0876
Fax 608-263-3160
Telex

Participants will study unsteady stream flow analysis and become familiar with the FEQ description, a term used to describe stream systems. Participants will also study the function of the FEQ computer program. The program's developer will present the program's many applications.

Keywords COMPUTER, WATER**New Approaches for the Production of Onions for the Caribbean**

The University of the West Indies

Dover Convention Center, Barbados, North America

738

Begins 03/25/91
Deadline 01/25/91
Duration 4 Days
Language E
Fees 500 US\$; extra 390 US\$ accommodations

The Programme Coordinator
 Tropical Agricultural Technology Training Unit
 Faculty of Agriculture
 St. Augustine, Republic of Trinidad & Tobago, North America

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: ecology and botany of the onion plant; site selection and land preparation; varietal selection, seasonality and planting practices; irrigation and fertilization; weed, pest and disease control; harvesting and post-harvest handling.

Keywords TROPICAL, VEGETABLE

Improving Milk Production in Africa

739

International Livestock Centre for Africa

Addis Ababa, Ethiopia , Africa

Begins 03/25/91 Director of Training and Information
Deadline 01/15/91 P.O. Box 5689
Duration 4 Weeks
Language E Addis Ababa, Ethiopia , Africa
Fees 2,500 US\$: inclusive of tuition, materials, room and board

Phone 18-32-16
Fax
Telex ILCA ADDIS 21207

Objectives: to provide participants with the practical and theoretical knowledge necessary for tackling the problems of improving milk production within existing smallholder farming systems; to develop participant skills in communication; to familiarize participants with ILCA's research and training activities, and to promote contact and exchange of information between ILCA and NARS.

Keywords ANIMAL PRODUCTION, CATTLE, DAIRY

Solar Drying in Agriculture

740

The University of the West Indies

St. Augustine, Trinidad , North America

Begins 03/24/91 The Programme Coordinator
Deadline 01/24/91 Tropical Agricultural Technology Training Unit
Duration 1 Week Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago , North America
Fees 500 US\$; accommodations extra 475 US\$

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: potential for dehydrated foods; elements of heat transfer; psychrometry and basic meteorology; introduction to the theory of drying; solar collector design and construction; solar drier design and construction; preparation techniques for food drying; operation of solar driers; product quality, packaging and marketing.

Keywords AGRICULTURE

Aquaculture Training Program

741

Auburn University

Auburn University, Alabama , USA

Begins 03/21/91 Short Course Coordinator
Deadline 01/30/91 International Center for Aquaculture
Duration 16 Weeks 203 Swingle Hall
Language E Auburn University, AL 36849-5419 , USA
Fees 4,500 US\$; approx. 700-900 US\$/month living expenses

Phone
Fax
Telex 5106002392

The course offers a comprehensive study of aquaculture. It is intended for government fisheries technicians, officers, administrators, those involved in aquaculture-related activities with private or voluntary organizations. Emphasis is placed on providing practical experience. Each participant will spawn several species of fish and grow one or more species in earthen ponds or tanks. The course includes: lectures; group discussions; laboratory exercises; field work; special projects; and supervised travel to aquacultural facilities in the southeast United States.

Keywords AQUACULTURE, FISH

Introduction to Ground Water Modeling

742

National Water Well Association

Ohio State University/Columbus, Ohio , USA

Begins 03/21/91
Deadline 01/21/91
Duration 5 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 975 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

This course will provide an introduction to computer modeling. Ground water professionals who are inexperienced in modeling will find the program priceless. Course discussions will address: the applications of various models; model input requirements; output of data; data reliability. Attendees will gain an appreciation of how hydrogeologic systems are modeled.

Keywords COMPUTER, WATER

Managing Your Infectious and Hazardous Waste

743

University of Wisconsin

Madison, Wisconsin , USA

Begins 03/20/91 Dr. O'Leary
Deadline 01/20/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 640 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This seminar will describe the latest EPA regulations, policies, equipment, and procedures being employed by waste specialist who are involved in all aspects of infectious and hazardous waste management.

Keywords WASTE

Liquid Storage Tank Installation

744

University of Wisconsin

Madison, Wisconsin, USA

Begins 03/18/91 John Quigley, Program Director
Deadline 02/01/91 Engineering Information, The Wisconsin Center
Duration 4 Days 702 Langdon Street, University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 795 US\$; course fee, materials, lunches and one dinner

Phone 800-462-0876
Fax 608-263-3160
Telex

Intensive agenda will provide in-depth training on all phases of proper installation, removal and testing of underground and aboveground tanks. You will receive current information on regulatory requirements, proper procedures, materials and maintenance to ensure a long-term, environmentally sound storage installation. Training will especially benefit field supervisors or technically oriented managers involved with installation and removal or cleanup. Also valuable to tank system designers.

Keywords ENGINEERING, STORAGE**Asbestos Abatement**

745

University of Wisconsin

Madison, Wisconsin, USA

Begins 03/18/91 Dr. Waxman
Deadline 01/18/91 432 North Lake Street
Duration 4 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 750 US\$; covers materials, lunches, a dinner, special equipment use

Phone 800-462-0876
Fax 608-263-3160
Telex

This intensive workshop has been specifically designed to meet AHERA accreditation requirements. Participants who successfully complete the workshop and the exam will receive full EPA accreditation as asbestos project designers. The workshop will cover advanced topics and materials. Additional Course Offered 05/20/91.

Keywords WASTE, ENVIRONMENT**Liquid Storage Tank Technology**

746

University of Wisconsin

Madison, Wisconsin, USA

Begins 03/18/91 Dr. John T. Quigley, Program Director
Deadline 01/18/91 432 North Lake Street
Duration 4 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 675 US\$; exclusive of room and board

Phone 608-262-0337
Fax 608-263-3160
Telex

This course will provide a thorough discussion of: 1) system design; 2) materials and equipment; 3) installation; 4) removal; 5) safety; 6) testing. Participants will receive current information on regulatory requirements, proper procedures, materials, and maintenance to ensure a long-term, environmentally sound storage installation. Additional Course Offered 04/08/91.

Keywords STORAGE, ENGINEERING**Tropical Floriculture Production for Export**

747

The University of the West Indies

Hotel Normandie, Port of Spain,
Trinidad/Tobago, North America

Begins 03/18/91 The Programme Coordinator
Deadline 01/18/91 Tropical Agricultural Technology Training Unit
Duration 11 Days Faculty of Agriculture
Language E St. Augustine, Republic of Trinidad & Tobago, North America
Fees 800 US\$; extra 950 US\$ accommodations

Phone 809-663-1364x2318
Fax 809-662-1182
Telex 24520 UWI WG

Course content: propagation methods for Anthuriums, Orchids, Gingerlilies and Heliconias; site selection and land preparation; greenhouse design and construction; irrigation and mineral nutrition; environmental requirements; harvesting; post-harvest handling; packaging, storage and shipping; financial considerations; distribution and marketing.

Keywords TROPICAL, PLANT SCIENCE**Accelerated Training Workshop**

748

The Center for Accelerated Learning

Orlando, Florida, USA

Begins 03/13/91 David Meier, Director
Deadline 01/13/91 C.A.L.
Duration 3 Days 1103 Wisconsin Street
Language E Lake Geneva, WI 53147, USA
Fees 695 US\$; lodging \$70-90 per day

Phone 414-248-7070
Fax
Telex

Designed to equip with strategies and techniques to improve speed and quality of learning. Curriculum includes: information age learning; designing winning training courses; preparing the learner to learn; making learning stick; potential new teaching tools; optimal learning environment; teaching skills; program implementation.

Keywords TRAINING

Small Scale Water Resources Development - Study Trip (ST 01)

749

Asian Institute of Technology

Bangkok, Thailand , Asia

Begins 03/13/91 The Director, Continuing Education Center
Deadline 02/01/91 GPO Box 2754
Duration 2 Weeks
Language E Bangkok 10501, Thailand , Asia
Fees 1,000 US\$; exclusive of room and board

Phone 529-0100-18 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Strategic approaches used by Thai government to develop and manage small scale water resources and irrigation projects; meet local counterparts to discuss and share experiences in planning, design, construction and management of completed projects; observe projects under construction and discuss construction techniques and related problems; visit complete projects and meet with beneficiary leaders; meet local government officials to discuss strategic approaches for guiding utilization of water and promoting farmers' participation in operation and maintenance.

Keywords TOUR, IRRIGATION, WATER MANAGEMENT, EXTENSION

Applications of Environmental Isotopes to Practical Ground Water Studies

750

National Water Well Association

Philadelphia, Pennsylvania , USA

Begins 03/12/91
Deadline 01/01/91
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017 , USA
Fees 695 US\$; exclusive of room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

Keywords ENVIRONMENT, WATER

Computers in Management

751

Mananga Agricultural Management Centre

Mhlume, Swaziland , Africa

Begins 03/11/91 The Principal, MAMC
Deadline 01/11/91 P. O. Box 20
Duration 6 Weeks
Language E Mhlume, Swaziland , Africa
Fees 4,250 British pounds; includes food and lodging

Phone 31133 or 31334
Fax 31135
Telex 2320 WD Swaziland

Gives managers an awareness of how computers can assist in an organization. Course designed around three components: identifying computer requirements; computer applications; human aspects of computerization. Course aimed at managers who are, or shortly will be, involved with aspects of computerization in their organizations. Emphasis on applications in agriculture for: commercial or government executives involved in planning, administration or production.

Keywords COMPUTER, MANAGEMENT

Animal Traction-Internship

752

Howell Living History Farm

Titusville, New Jersey , USA

Begins 03/11/91 Robert Flory, Intern Program Coordinator
Deadline 01/11/91 Howell Farm
Duration 10 Weeks Box 187, RR 2 Hunter Road
Language E Titusville, NJ 08560 , USA
Fees Interns care for farm animals in exchange for training & housing

Phone 609-737-3299
Fax
Telex

This is an internship for persons working in international agricultural development. Interns learn how to use oxen and draft horses to perform cropping and transport operations. Details to be obtained from program coordinator. Workshops are given in blacksmithing, animal health and yoke construction. Additional course offered 6/3/91 and 9/2/91.

Keywords ANIMAL POWER, ANIMAL SCIENCE

Collection and Analysis of Labor Market Information

753

United States Department of Labor

Washington, D.C. , USA

Begins 03/11/91 John T. McCracken, Director ILSPC
Deadline 02/01/91 United States Department of Labor, Room S-1310
Duration 5 Weeks 200 Constitution Avenue N.W.
Language E Washington, D.C. 20210 , USA
Fees 2,670 US\$; exclusive of room and board, book allowance and insurance

Phone 202-523-9231
Fax 202-523-7342
Telex

Seminar develops the capability to collect and analyze labor market information needed by national or local governments seeking to reduce unemployment, generate employment or plan training programs to meet the needs of industry. This information is valuable to local and regional planning agencies and to industries and businesses looking for site locations, seeking ways to attract and retain skilled workers, or assessing potential markets. Labor unions also use these studies to determine comparable wage and compensation levels, local working conditions and training needs.

Keywords ANALYSIS, LABOR, INFORMATION, DATA

Management of Enterprise Development

754

Mananga Agricultural Management Centre

Mhlume, Swaziland , Africa

Begins 03/11/91 Managing Director**Phone** 31133/31334**Deadline** 01/11/91 P. O. Box 20**Fax** 31135**Duration** 5 Weeks**Telex** 2320 WD Swaziland**Language** E Mhlume, Swaziland , Africa**Fees** 4,250 British pounds; includes room & board, tuition and laundry

This course will consist of the following learning segments: 1) governments and policy dimensions; 2) resource allocation and management of operations; 3) enterprise establishment; 4) women and small enterprise management; 5) financial management; 6) marketing management; 7) institutional linkages and support systems.

Keywords MANAGEMENT, DEVELOPMENT, ENTERPRISE**Tropical Plant Pest Quarantine**

755

University of Hawaii

Honolulu, Hawaii , USA

Begins 03/06/91 International Programs Office**Phone** 808-948-6441**Deadline** 01/04/91 College of Trop Ag & Human Res, Univ. of Hawaii**Fax****Duration** 10 Weeks Gilmore Hall, Rm. 214, 3050 Maile Way**Telex** 7430725 SPRAD**Language** E Honolulu, HI 96822 , USA**Fees** 4,900 US\$; course fee

Objectives: to present and reinforce fundamental philosophies, principles and general operating procedures of plant quarantine; to provide knowledge of plant pests, the damage they cause and how to recognize some of the most important ones; to provide practical information on and experience in methods and techniques used in a quarantine program.

Keywords PEST, TROPICAL, PLANT PROTECTION**Shrimp Processing and Marketing**

756

The Pragma Corporation

Tampa, Florida and Boston, Massachusetts , USA

Begins 03/06/91**Phone** 703-237-9303**Deadline** 02/05/91 International Enterprise Development Program**Fax** 703-237-9326**Duration** 9 Days 116 East Broad Street**Telex** 203507 PRAGMA FSCHUR**Language** E Falls Church, Virginia , USA**Fees** 3,000 US\$; exclusive of room and board

Through this program, participants gain an understanding of the U.S. market and learn how to recognize and eliminate quality problems which cause USDA rejection. Ultimately, participants learn how to increase shrimp exports to the United States.

Keywords FISH, MARKETING, MARINE**Basic Groundwater Hydrology**

757

Duke University

Durham, North Carolina , USA

Begins 03/04/91 Course Coordinator**Phone** 919-684-2135**Deadline** 01/01/91 School of Forestry and Environmental Studies**Fax** 919-684-8741**Duration** 1 Week Duke University**Telex****Language** E Durham, North Carolina 27766 , USA**Fees** not available

Principles, concepts and methods of groundwater hydrology. Topics include water storage and transmission, collection and analysis of data used in determining hydraulic properties of groundwater systems. Course designed to meet needs of persons involved in environmental issues, foresters and those concerned with the development and management of ground water and with control and regulation of pollution. Background in geology, physical science or engineering helpful.

Keywords HYDROLOGY, WATER**Rice Production (RP)**

758

International Rice Research Institute

Los Banos and Laguna, Philippines , Asia

Begins 03/04/91 Head, Training Center**Phone** 88-48-69**Deadline** 02/01/91 International Rice Research Institute**Fax****Duration** 2 Weeks P.O. Box 933**Telex** 45365 RICE PM**Language** E Manila, Philippines , Asia**Fees** not available

Course offers training in modern RP technology, applied research and methods of dissemination of new rice technology. Covers: factors affecting RP, such as soil and water management; pest management, socioeconomic factors; statistical procedures for research analysis and communication skills; training methodology and requirements, planning and management of applied research trials; post production technology; economics of RP. Requires: BS/MS in agriculture or related field.

Keywords PLANT SCIENCE, FOOD PRODUCTION, AGRONOMY, RICE

Carcass and Meat Quality in Ruminants

759

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 03/04/91 Short Course Coordinator:
Deadline 12/31/90 Mediterranean Institute Agronomic de Zaragoza
Duration 3 Weeks Apartado 202
Language E/F/S 50080 Zaragoza, Spain, Europe
Fees 80,000 Spanish pts; exclusive of room, board and insurance

Phone 76-576013
Fax 76-57-63-77
Telex 58672 IAMX E

Objectives: to offer advanced information that decides carcass and meat quality in cattle, sheep and goats; to discuss conditions to be applied to keep their quality throughout the different marketing levels; to emphasize the nutritional and status value of meats and their image in purchase motivation; to inform about repercussions that the use of additives may have on meat quality and human health. Contents: carcass quality; muscle structure and composition; ripening of meat; organoleptic attributes of meats; microbial and parasitic alterations; nutritional and status value of meats.

Keywords ANIMAL PRODUCTION, CATTLE, SHEEP, GOATS, MARKETING

Management of Change and Conflict in Organizations (MI01)

760

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 03/04/91 The Director, Continuing Education Center
Deadline 01/01/91 GPO Box 2754
Duration 2 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 2,000 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Contents: organizational change; setting change objectives; type of changes; change models; change process; organizational development (OD); OD and organizational culture; OD interventional techniques; task design and change, structural change; technology change and human process techniques; change and conflict; overcoming resistance to change; inter-personal conflict; intra and interorganizational conflicts; organizational politics; conflict management; containing conflicts and stimulating conflicts-techniques. Designed for top-level executives of public and private organizations.

Keywords MANAGEMENT, HUMAN RESOURCES, PERSONNEL

Mycorrhizae/Rhizobium in Agroforestry

761

International Council for Research in Agroforestry

Kenya, Africa

Begins 03/04/91 Training Programme Coordinator
Deadline 01/04/91 International Council For Research in Agroforestry
Duration 1 Week P.O. Box 30677
Language E Nairobi, Kenya, Africa
Fees not available

Phone
Fax 254-2-521001
Telex

Keywords AGROFORESTRY

Underground Storage Tank Management, Leak Detection and Corrective Action

762

University of Wisconsin

Madison, Wisconsin, USA

Begins 02/25/91 Dr. John T. Quigley, Program Director
Deadline 01/01/91 432 North Lake Street
Duration 1 Week University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 675 US\$; exclusive of room and board

Phone 608-262-0337
Fax 608-263-3160
Telex

Technical information to use for managing, evaluating, and correcting problems from leaking underground storage tanks. Emphasis on recent Environmental Protection Agency policies pursuant to Resource Conservation and Recovery Act. Study of proper management of underground storage tanks, including tank testing and state-of-the-art leak detection. Factors affecting flow of hydrocarbons leaked into subsurface, corrective measures to address contaminated area and proper installation.

Keywords ENGINEERING, STORAGE

Mathematical Modeling of Lake and Reservoir Water Quality

763

Duke University

Durham, North Carolina, USA

Begins 02/25/91 Intensive Course Coordinator
Deadline 01/01/91 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706, USA
Fees not available

Phone 919-684-2135
Fax 919-684-8741
Telex

Exposes participants to techniques that predict the response of lakes and impoundments to pollutants. Lectures focus on eutrophication and toxic substance pollution. Risk analysis will address the acid rain problem. Includes: water analysis, mass balance models, mixed systems, regression models, phosphorous loading concept, uncertainty analysis, Bayesian analysis, modeling of impoundments, model verification, toxic substance models. Textbook and LAKECOMP software included.

Keywords WATER, COMPUTER

Small Community Wastewater System Design

764

University of Wisconsin

Madison, Wisconsin , USA

Begins 02/25/91 Dr. Fey
Deadline 01/01/91 432 North Lake Street
Duration 1 Week University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 900 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This comprehensive system design offering will provide practical background information and procedures to consulting engineers engaged in design, agency staff performing plan reviews and others with related responsibilities. You will gain hands-on experience in design workshops, helping you transfer your new knowledge to on-the-job situations.

Keywords WASTE**Elements of Forestry**

765

Duke University

Durham, North Carolina , USA

Begins 02/18/91 Course Coordinator
Deadline 01/01/91 School of Forestry and Environmental Studies
Duration 1 Week Duke University
Language E Durham, North Carolina 27706 , USA
Fees not available

Phone 919-684-2135
Fax 919-684-8741
Telex

Course covers a broad perspective of forestry topics in both the biological and economic/policy areas, with the final focus on management as an integration for the forest resource. Multiple use is stressed. The course is most valuable for professionals working for environmental or nonprofit organizations and public agencies.

Keywords FORESTRY**Sanitary Landfill Design**

766

University of Wisconsin

Madison, Wisconsin , USA

Begins 02/18/91 Dr. O'Leary
Deadline 01/01/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706 , USA
Fees 450 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

Successful development of a landfill requires a thorough understanding of the disposal process and careful engineering of the facility. You will study landfill operation, design calculations and implementation procedures.

Keywords LAND USE, SOIL, WASTE**Potential Crop Production From Irrigated and Dryland Agriculture**

767

Utah State University

Logan, Utah , USA

Begins 02/17/91 International Irrigation Center
Deadline 12/17/90
Duration 4 Weeks Utah State University
Language E/S Logan, UT 84322-4150 , USA
Fees 2,800 US\$

Phone 801-750-2800
Fax 801-750-1248
Telex 3789246 UTAHSTATE LOGN

The course provides up-to-date information on crop water requirements and associated factors influencing crop yield, and data to evaluate the risk from drought and excessive rainfall. It presents calculator programs and computer software for modeling several of these concepts and relationships. Emphasis is placed on actual use of crop yield models for planning and management of technology transfer.

Keywords IRRIGATION, AGRICULTURE, PRODUCTION**Asian Workshop on the International Geosphere-Biosphere**

768

Custed

New Delhi , India

Begins 02/11/91 Professor R.R. Daniel
Deadline 01/01/91 24, Gandhi Mandap Road
Duration 1 Week
Language E/S Madras 600 025 , India
Fees not available

Phone
Fax
Telex

Keywords

Upgrading Your Sanitary Sewer Maintenance Program

769

University of Wisconsin

Madison, Wisconsin, USA

Begins 02/11/91 Dr. Theobald
Deadline 01/01/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 436 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This course will cover the latest cost-effective techniques for maintaining the systems, including preventive maintenance, record keeping, cleaning programs, repair and rehabilitation, and solutions for everyday problems.

Keywords WASTE**Developing a Sustainable World**

770

Institute for Sustainable Agriculture

Kathmandu, Nepal

Begins 02/10/91
Deadline 01/01/91 GPO Box 3033
Duration 1 Week
Language Kathmandu, Nepal
Fees not available

Phone
Fax
Telex

Keywords DEVELOPMENT, SUSTAINABLE**Environmental Property Assessment (EPRA)**

771

National Water Well Association

Albuquerque, New Mexico, USA

Begins 02/06/91
Deadline 01/01/91
Duration 2 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 595 US\$; excluding room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

This course is designed to acquaint newly practicing environmental professionals with the EPRA process. The following topics will be covered: background and introduction to the EPRA process; environmental regulations; proposed ASTM and NWWA site assessment standards and certificate programs; the client/consultant relationship; proposal preparation; conducting the EPRA; sampling; reporting; handling problems that are uncovered; legal and moral responsibilities of the consultant. Additional course offered 03/13/91 in Philadelphia, Pennsylvania.

Keywords ENVIRONMENT, ASSESSMENT**Planning and Design of Small Scale Irrigation Projects (AWR 01)**

772

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 02/04/91 The Director, Continuing Education Center
Deadline 12/15/90 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

Designed to enhance know how in proper operation and management criteria, particularly under insufficient input data. Social, economic, financial and engineering aspects considered. Contents include: aspects of planning; feasibility study and report writing; small watershed hydrology; data analyses; soil-water-plant relationship; selection and design of cropping patterns; salinity and drainage; geotech aspects of earth dams and embankments; airphoto interpretations. For engineers and irrigation planners. ANNUALLY

Keywords DESIGN, IRRIGATION, PLANNING, HYDROLOGY, WATER**Genetic Evaluation and Utilization**

773

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 02/04/91 Head, Training Center
Deadline 01/01/91 International Rice Research Institute
Duration 16 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

Composed of: lectures; field and lab exercises directed toward rice production techniques; objectives and methods of breeding; nursery design and management; records and note-taking; making crosses; selection and harvest; plant pathology, entomology and soil chemistry skills; quality evaluation; international rice testing program; communication. Emphasizes the applied aspects of learning methodology. Requirements: researcher or professional from a national organization; hold BSMS in plant breeding.

Keywords SEED, BREEDING, AGRONOMY, RICE

Training and Technology Transfer

774

International Rice Research Institute

Los Banos and Laguna, Philippines, Asia

Begins 02/04/91 Head, Training Center
Deadline 01/01/91 International Rice Research Institute
Duration 12 Weeks P.O. Box 933
Language E Manila, Philippines, Asia
Fees not available

Phone 88-48-69
Fax
Telex 45365 RICE PM

The course will provide instruction in: learning and teaching style inventories; principles of conducting needs assessment; curriculum development; designing and managing training and technology transfer programs; principles of communication; applied educational psychology and related educational techniques; application of education techniques to experiential training methodologies; developing media, adapting curricula and media for training; designing and adapting modular programmed instruction; evaluation. Requires BS/MS in communication, extension for agriculture.

Keywords TRAINING, EXTENSION**Irrigation Project Rehabilitation and Management**

775

Asian Institute of Technology

Bangkok, Thailand, Asia

Begins 02/04/91 The Director, Continuing Education Center
Deadline 01/01/91 GPO Box 2754
Duration 8 Weeks
Language E Bangkok 10501, Thailand, Asia
Fees 3,200 US\$; exclusive of room and board

Phone 529-0100-13 x2136
Fax 66-2-529-0374
Telex 84276 AIT TH

This training course is designed to: enhance the participants' ability to identify the cause of poor performance or irrigation projects; to reestablish design criteria for rehabilitation and improvement; to improve irrigation management capability through proper water allocation planning, implementation, monitoring and evaluation techniques as well as farmers' participation and inter-government agencies interactions.

Keywords IRRIGATION, WATER**Goat Production**

776

International Centre for Advanced Mediterranean Agronomic Studies

Zaragoza, Spain, Europe

Begins 02/04/91 Short Course Coordinator
Deadline 11/30/90 Mediterraneo Institute Agronomic de Zaragoza
Duration 3 Weeks Apartado 202
Language E/F/S 50080 Zaragoza, Spain, Europe
Fees 80,000 Spanish pts; exclusive of room, board and insurance

Phone 76-576013
Fax 76-57-63-77
Telex 58672 IAMX E

Objectives: to train in goat production using advanced scientific and technical information that will improve efficiency in development, training and research; to critically analyze and discuss the experience gained in projects of the Mediterranean and tropical regions; to compare experiences of goat production experts from around the world. Topics: production systems; reproduction; genetics and selection; nutrition and feeding; pathology; goat development programs.

Keywords COATS, ANIMAL PRODUCTION, BREEDING, NUTRITION**Water Resources Analysis Using GIS**

777

Colorado State University

Fort Collins, Colorado, USA

Begins 02/04/91 International Institute for Civil Engineering
Deadline 12/04/90 IICE
Duration 4 Weeks
Language E Fort Collins, CO 80523, USA
Fees 4,065 US\$; including MapInfo and pMAP software

Phone 303-491-7425
Fax
Telex 910 930 9000 ENGR CSU FTCN

Participants will learn to apply Geographic Information Systems techniques to address issues in water resources management. General GIS concepts will be introduced including characteristics of spatial data, map attributes and vector versus raster systems. The course will consist of lecture and computer lab sessions and time will be provided for participants to carry out their own case study.

Keywords WATER, COMPUTER**Training in Energy Planning: Special Program for Least Developed Countries
REDP/ESCAP**

778

Yangon and Myanmar, Asia

Begins 02/01/91
Deadline 12/02/90 Rajdamnern Avenue
Duration 1 Week
Language Bangkok 10200, Thailand
Fees

Phone
Fax
Telex

Keywords PLANNING

Control of Air Toxics by Incineration and Other Proven Techniques

779

University of Wisconsin

Madison, Wisconsin, USA

Begins 01/31/91 Dr. John T. Quigley, Program Director
Deadline 01/01/91 432 North Lake Street
Duration 2 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 650 US\$; excluding room and board

Phone 608-262-0337
Fax 608-263-3160
Telex

Course will help you design the most effective system for controlling emission of air toxics. Will teach strategies for identifying the source of your toxic air emission problems. Also will learn about various control systems designed to control or mitigate these problems. Nationally known authority will instruct you on the new toxic air emission regulations and how they will impact your operation. Cost comparisons and approaches to economic analyses are among key topics.

Keywords ENVIRONMENT, WASTE**Better Process Control School (Retort Operators Certification)**

780

Oregon State University

Corvallis, Oregon, USA

Begins 01/29/91 Training Coordinator
Deadline 11/29/91 Office of International Research & Development
Duration 4 Days Snell Hall 400
Language E Corvallis, OR 97331-1641, USA
Fees 295 US\$; exclusive of room, board and transportation

Phone 503-737-2228
Fax 503-737-3447
Telex 510 596 0686

This school certifies supervisors of thermal processing systems, acidification and container closure evaluation programs for low-acid canned foods. Each processor of low-acid or acidified foods must operate with a certified supervisor on hand at all times during processing. Instructors for this school are drawn from: FDA; the university; the Food Processors Institute; the National Food Processors Association; industry. The school covers the practical application of the principles set forth by these and other regulations.

Keywords FOOD SCIENCE**Designing Facilities for the Storage and Handling of Hazardous Materials**

781

University of Wisconsin

Madison, Wisconsin, USA

Begins 01/28/91 Dr. John T. Quigley, Program Director
Deadline 11/30/90 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 795 US\$; exclusive of room and board

Phone 608-262-0337
Fax 608-263-3160
Telex

This course will examine procedures and facilities that are designed to help avoid, minimize and control safety and environmental hazards during the receipt, handling, and storage of hazardous materials.

Keywords WASTE, STORAGE**Effective Application of Automated Systems for Processing Water**

782

University of Wisconsin

Madison, Wisconsin, USA

Begins 01/28/91 Dr. Fey
Deadline 11/28/90 432 North Lake Street
Duration 2 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 500 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

Participants will learn how the application of automated systems can assist you in developing more consistently effective treatment systems while at the same time providing efficient use of energy.

Keywords WATER**Application of Borehole Geophysics to Ground Water & Waste Disposal**

783

National Water Well Association

Long Beach, California, USA

Begins 01/22/91
Deadline 12/01/90
Duration 3 Days 6375 Riverside Drive
Language E Dublin, OH 43017, USA
Fees 695 US\$; exclusive of room and board

Phone 614-761-1711
Fax 614-761-3446
Telex

This course is designed to acquaint you with borehole geophysical methods and their use in ground water investigations. You will receive insight into: electric logs; nuclear logs; acoustic logs; caliper logs; well construction logs; experimental methods; log analysis techniques; the advantages and limitations of borehole logging; planning a program; quality control and calibration; costs of a logging program will also be discussed. In addition, time will be spent on borehole geophysics techniques in relationship to waste disposal problems.

Keywords WATER

Processing and Marketing of Poultry and Poultry Products

784

University of Georgia

Georgia, USA

Begins 01/20/91 Office Of International Development
Deadline 12/01/90 113 Candler Hall
Duration 2 Weeks University of Georgia
Language E Athens, Georgia 30602, USA
Fees 1,050 US\$; exclusive of room and board

Phone 404-542-7890
Fax 404-542-7891
Telex

Participants learn the critical contribution of marketing and the roles of product quality and new product development. They learn how to prepare new products for market, establish quality control systems and use the data from those systems for maximizing product quality and yield. Course topics: poultry meat processing; new poultry products; food microbiology; principles of quality control; marketing poultry meat products; processing plant sanitation; processing plant inspection.

Keywords MARKETING, POULTRY**International Course for Rural Extension Trainers**

785

University of the Philippines

UPLB, Philippines, Asia

Begins 01/16/91 Office of the Director of Extension
Deadline 09/16/90 University of the Philippines
Duration 7 Weeks
Language E Los Banos, Philippines 4031, Asia
Fees 2,200 US\$; inclusive of room and board

Phone 063-94-2714
Fax
Telex

Course on the utilization of agricultural knowledge to enable master trainers to meet the challenges and demands of their tasks. Content: design, operationalization and evaluation of training programs; training methodology; communication skills; preparation and use of visual materials and equipment, including extension recommendation and message development. Combines lectures, workshops, case studies, institutional visits, fieldwork and group discussion.

Keywords EXTENSION, TRAINING, COMMUNICATION**Waste Geotechnics-Application of the Earth Sciences to Solve Waste Disposal**

786

University of Wisconsin

Madison, Wisconsin, USA

Begins 01/14/91 Dr. Fey
Deadline 11/14/91 432 North Lake Street
Duration 4 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 775 US\$; exclusive of room and board

Phone 800-462-0876
Fax 806-263-3160
Telex

This course will provide in-depth information on the theory and the application of theory to developing solutions for waste disposal problems. Participants will learn about the hydrogeologic and geotechnical aspects and the response of the lining and cover systems that are compatible with the need to protect the groundwater and natural soil.

Keywords WASTE, WATER, SOIL**Controlling Sediment From Construction Sites**

787

University of Wisconsin

Madison, Wisconsin, USA

Begins 01/14/91 Dr. Eagan
Deadline 11/04/91 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 450 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

You will learn about effective design and implementation of the best management practices for controlling erosion from construction sites. During the scheduled workshop session, you will apply the design principles studied during the course.

Keywords SOIL**Water Loss Reduction and Meter Application Sizing**

788

University of Wisconsin

Phoenix, Arizona, USA

Begins 01/10/91 Dr. Holub
Deadline 11/10/90 432 North Lake Street
Duration 2 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 395 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

Participants will learn how to undertake a comprehensive water audit and implement cost-effective solutions to reduce your unaccounted-for water. Topics will include major areas of water loss, meter sizing and testing, leak detection, water rate structures, and accurate meter reading, billing, and record keeping. Additional Course Offered 04/15/91 in Madison, Wisconsin for 375 US\$.

Keywords WATER

American Language Program

Ohio State University

Columbus, Ohio, USA

789

Begins 01/07/91 Ms. Emily Paull
Deadline 12/01/90 Room 113, Agricultural Administration Building
Duration 10 Weeks 2120 Fyffe Road
Language E Columbus, Ohio, USA
Fees 5,065 US\$; including tuition, textbooks, insurance, accommodations

Phone 614-292-7252
Fax 614-292-3263
Telex 24-5334 UBS COL

20-23 classroom hours weekly. Four levels of instruction: beginning, elementary, intermediate and advanced. Each level includes separate classes in listening and speaking, reading and vocabulary, grammar and composition. At every level students read, write and talk about topics related to academic study. Also offers test-prep course to students planning to take TOEFL and special pronunciation class for selected students. Additional courses offered 04/01/91, 06/24/91, 09/25/91, 01/06/92, 03/30/92, 06/22/92 and 09/23/92.

Keywords ENGLISH, LANGUAGE**Rural Extension for Foresters**

University of Reading

Reading, England, Europe

790

Begins 01/07/91 Professor M. J. Rolls, Head of Department
Deadline 11/07/90 AERDD
Duration 12 Weeks No. 3, Earley Gate, Whiteknights Road
Language E Reading RG6 2AL, UK
Fees 3,750 British pounds; covering study visit and accommodations

Phone 44-(0)734-318119
Fax
Telex 847813 RULIB G

This course is designed for foresters at all levels who work directly with rural communities, groups or individuals; or who have management, supervisory or training responsibilities within forestry extension programmes.

Keywords EXTENSION, FORESTRY, RURAL**Water Distribution System Analysis and Design**

University of Wisconsin

Phoenix, Arizona, USA

791

Begins 01/07/91 Dr. Holub
Deadline 11/07/90 432 North Lake Street
Duration 3 Days University of Wisconsin
Language E Madison, Wisconsin 53706, USA
Fees 695 US\$; exclusive of room and board

Phone 800-462-0876
Fax 608-263-3160
Telex

This course will provide comprehensive information for engineers and other professionals concerned with water distribution system assessment, design, rehabilitation and operation. You will receive in-depth training in creating and using a computer model to evaluate a distribution system and its operation under your proposed improvements.

Keywords WATER**Intensive English Program for International Students**

University of California

Davis, California, USA

792

Begins 01/03/91 International Training and Education Center
Deadline 12/03/90 University Extension
Duration 10 Weeks University of California
Language E Davis, CA 95616-8727, USA
Fees 1,475 US\$; exclusive of books, room and board

Phone 916-757-8686
Fax 916-757-8676
Telex 405838

Two language programs: Pre-Academic: grammar, composition, reading, vocabulary, listening, speaking and language laboratory; Conversation/Culture Program: grammar for interaction, American vocabulary and idioms, communication skills, conversation management and language laboratory. Business: grammar, vocabulary, business writing and communication. Language lab. TOEFL, GRE and GMAT preparation. Additional courses 03/28/91, 06/24/91 and 08/05/91.

Keywords LANGUAGE, ENGLISH**English Language Center**

Michigan State University

East Lansing, Michigan, USA

793

Begins 01/03/91 English Language Center, CIP
Deadline 12/01/90 Institute of Intl Agri., 324 Agri. Hall
Duration 10 Weeks Michigan State University
Language E East Lansing, MI 48824, USA
Fees 3,362 US\$; extra \$160 for books/supplies and \$525 for miscellaneous

Phone 517-355-0174
Fax
Telex 650-264-1762 MCI

This intensive English language program is designed for students who need to improve their English language skills in order to succeed in their academic course work. The purpose is to develop the skills of spoken and written English so that they may begin their academic work. The program is divided into four levels. Classes are designed to emphasize a specific language skill (English structures, speaking, listening, reading and writing). The language lab is used to review material and for lessons in listening comprehension and vocabulary and grammar improvement. Additional course offered 3/25/91 and 6/17/91.

Keywords LANGUAGE, ENGLISH

Range Management

794

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 01/03/91 Student Recruitment Executive
Deadline 12/01/90
Duration 3 Months Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 4,850 British pounds; 450 British pounds housing, meals not included

Phone 0525-60428
Fax 05-256-1527
Telex 265871 (MONREF G) EUM 300

This course provides training in the techniques of vegetation and land classification including the use of remotely sensed data, and considers the systems of grazing management and stock disposal most suited to the requirements of the various socio-economic systems which are based on different stock economies.

Keywords FORAGE, PASTURE**Fruit, Vegetables and Root Crops**

795

Silsoe College

Silsoe, Bedford, United Kingdom, Europe

Begins 01/03/91 Student Recruitment Executive
Deadline 12/01/90
Duration 3 Months Silsoe Campus
Language E Silsoe, Bedford MK45 4DT, UK
Fees 4,850 British pounds; 450 British pounds housing, meals not included

Phone 0525-60428
Fax
Telex 265871 (MONREF G) EUM 300

This course includes covering, harvesting, handling, storage, transport, distribution, marketing and processing of fresh fruit, vegetables and root crops.

Keywords FRUIT, VEGETABLE, HORTICULTURE**Thunderbird Winterim**

796

American Graduate School of International Management

Glendale, Arizona, USA

Begins 01/03/91 Dean of Admissions
Deadline 11/01/90 15249 North 59th Avenue
Duration 3 Weeks
Language Glendale, Arizona 85306, USA
Fees

Phone 502-978-7210
Fax 602-439-5432
Telex 187123

Most of the courses offered feature guest lecturers prominent in their field who are willing to share their knowledge with students. Question and answer sessions offer students an opportunity to visit with executives on a more personal level. For a catalog, write the address above.

Keywords CATALOG**Women, Men and Development**

797

Institute of Development Studies

Brighton, United Kingdom, Europe

Begins 01/03/91 The Chairman, Teaching Area
Deadline 11/03/90 University of Sussex
Duration 9 Weeks
Language E Falmer, Brighton BN1 9RE, United Kingdom, Europe
Fees 6,294 British pounds; inclusive of room and board

Phone 0273-606261
Fax 0273-678420
Telex 877997 IDSBTN G

The course provides participants with an understanding of how gender plays a key role in determining the ways in which men and women participate in economic, social and political activities. The course identifies a number of major issues concerning women's participation in economic and social processes in societies undergoing rapid transformation.

Keywords DEVELOPMENT, GENDER, WOMEN**Project Analysis With Microcomputer Applications**

798

Colorado State University-ICARD

Fort Collins, Colorado, USA

Begins 01/02/91
Deadline 12/02/90 B302 Clark Building
Duration 3 Weeks Colorado State University
Language E Fort Collins, Colorado 80523, USA
Fees 1,200 US\$; exclusive of room and board

Phone 303-491-7292
Fax 303-491-6441
Telex 452014 ICARD

To improve participants' knowledge about decision analysis tools that are used in making investment decisions about agriculture, natural resource and other development programs and projects. Focuses on: practical methods of using resources economically and efficiently; role of project analysis in formulation of development programs; selecting relevant information for project analysis; measures of project worth; appropriate applications of economic and financial analysis.

Keywords COMPUTER, ANALYSIS, ECONOMICS, PROJECT

Training of Trainers in the Field of Agriculture 9.16/91-TK77-290-91

799

German Foundation for International Development

Feldafing GDR , Europe

Begins 01/01/91 Deutsche Stiftung fur Internationale Entwicklung
Deadline 01/01/90 Zentralstelle fur Ernährung und Landwirtschaft
Duration 5 Weeks Wielinger Strasse 62
Language E D-8133 Feldafing, GDR , Europe
Fees 7418 Deutsche Marks

Phone 08157-383219
Fax
Telex

Topics: interaction of communication, teaching and learning; methods of analyzing and identifying needs; goals, content, methods, participants, duration, location and their interaction; expectations and constraints; planning, designing and organizing a training program; pros and cons of different methods; implementation (role of organizers and trainers); pros, cons, planning and use of training media; monitoring and evaluation criteria and techniques in training.

Keywords TRAINING**Livestock Production and Veterinary Health Care**

800

Agricultural Technical Institute

Wooster, Ohio , USA

Begins 01/00/91 Coordinator of International Programs
Deadline 11/01/90 Ohio State University
Duration 1 Year 1328 Dover Road
Language E Wooster, Ohio 44691 , USA
Fees not available

Phone 216-264-3911
Fax
Telex

This training provides instruction in livestock production techniques and principles integrated with proper livestock health and veterinary care to increase production of meat, milk and other products for human use.

Keywords LIVESTOCK, VETERINARY**Agricultural Policy Analysis for Developing Countries**

801

University of Sussex

Kent TN25 5ah, England , Europe

Begins 01/ /91 Department of Agricultural Economics
Deadline 11/16/90 Wye College, University of Sussex
Duration 8 Weeks Wye, Ashford
Language E Kent TN25 5 AH, England , Europe
Fees 3,000 British pounds; exclusive of room and board

Phone 0-233-812401
Fax
Telex 94017832 WYEC G

Provides a briefing in the process of economic policy reform in developing countries, focusing on the effects in the the agriculture sector. Emphasis on: understanding the micro-macro linkages in the reform process; acquiring operational competence with techniques in agriculture policy analysis; assessment of public sector investment and recurrent expenditure in the agriculture sector; options in institutional reform - especially agricultural marketing and research; environmental objectives in policy formulation.

Keywords POLICY, ANALYSIS**Managing Rural Development - Information Systems, Monitoring and Evaluation**

802

University of London

Kent TN25 5ah, England , Europe

Begins 01/ /91 Professor Ian Caruthers, Dept of Ag Economics
Deadline 12/01/90 Wye College, University of London
Duration 10 Weeks Ashford,
Language E Kent TN25 5AH, England , Europe
Fees 4,000 British pounds; exclusive of room and board

Phone 0-233-81-2401
Fax C233-81-3320
Telex 94017832

Defines minimum data needs, data collection and analysis, presentation and use in practical development programs. Irrigation and farmer credit feature prominently. Content includes: M & E - objectives and concepts and information technology; Program management - design, implementation and M & E of development projects; Project impact; Policy analysis; Case studies and exercises; Computer software applications - WordPerfect, Supercalc, dBASE, SPSS & Microstat.

Keywords RURAL, MANAGEMENT, COMPUTER, MONITORING, EVALUATION**Development and Management of Farmers' Co-Operatives**

803

Plunkett Foundation for Cooperative Studies

Oxford, United Kingdom , Europe

Begins 00/00/91 Elise Bayley, Manager
Deadline 00/00/91 The Plunkett Foundation for Cooperative Studies
Duration 8 Weeks 31 St. Giles
Language E Oxford OX1 3LF-UK , Europe
Fees not available

Phone 0993-88-3636
Fax 0993-88-3676
Telex 838887 PLUNKETT G

A study and training programme designed to assist executives of co-operatives and of support organizations in developing countries to improve their management and leadership capabilities in the development of effective farmers' enterprises. The programme will consist of training, group discussions and project work, interspersed with field visits for practical experience of UK co-operatives and other relevant organizations.

Keywords ENTERPRISE, AGRIBUSINESS

Short-Term Training Courses
Consortium for International Development

804

Begins	00/00/91		Phone	
Deadline	00/00/91	6367 East Tanque Verde	Fax	
Duration		Suite 200	Telex	
Language		Tuscon, Arizona 85715-3832, USA		
Fees	not available			

The Consortium for International Development (CID) will be pleased to provide you with this catalogue of short courses offered by their eleven member universities. These courses exemplify the commitment and interests of CID universities in development activities throughout the world. Information in this catalogue will allow you to review the content of over 200 short courses. For a catalogue contact the address above.

Keywords

International Short Courses, Workshops and Conferences on Irrigation Management
Louis Berger Int'l Inc. Water and Power Consultancy Services, Ltd

805

			Phone	60-8587
Begins	00/00/91		Fax	67-6377
Deadline	00/00/91	213 Ansal Chambers-II	Telex	31 72061 LBII IN
Duration		Cama Place		
Language		R. K. Puram, New Dehli 110066, India		
Fees				

This Compendium of International Shortcourses, Workshops and Conferences has been prepared by Louis Berger International, Inc. on behalf of the Irrigation Research and Management Improvement Organization, Central Water Commission, Government of India, and the United States Agency for International Development under the Water Resources Management and Training Project No. 386-0484. For a catalogue write to the address above.

Keywords CATALOG

Technical Training Catalog (FY-91)
United States Department of Agriculture

806

			Phone	817-334-5402
Begins	00/00/91	Georgia Spiller	Fax	817-334-5290
Deadline	00/00/91	USDA, Soil Conservation Service	Telex	
Duration		P.O. Box 6567		
Language		Ft. Worth, TX 76115, USA		
Fees				

The Technical Training Catalog should be reviewed annually by supervisors and employees as Employee Development Plans are prepared. Courses meet employee's training needs may be requested during the annual training needs inventory. As needed, supervisors should request training through their personnel office. For a catalog, write to the address shown below.

Keywords TRAINING

How to Improve Morale, Motivation & Commitment (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT, PERSONNEL	807
Computer Applications for Agricultural and Natural Resource Management (2 Weeks) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641 , USA	Phone 503-737-2228 Fax 503-737-3447 Telex 510 596 0686 Keywords COMPUTER, NATURAL RESOURCES, MANAGEMENT	808
U.S. Grain Exports in a Rapidly Changing World (1 Day) Kansas State University GSMSC Coordinator International Grains Program Kansas State University Manhattan, KS 66506-2204 , USA	Phone 913-532-6161 Fax Telex 5106000752 KSU GRAINS Keywords GRAIN	809
Effective Communication Skills (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords COMMUNICATION, MANAGEMENT	810
Groundwater Flow Through Fractured Media (2 Days) University of Wisconsin Dr. Roy G. Holub, Program Director 432 North Lake Street University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 608-262-8707 Fax 608-263-3160 Telex Keywords WATER	811
Groundwater Flow and Well Hydraulics (3 Days) University of Wisconsin Dr. Roy G. Holub, Program Director 432 North Lake Street University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 608-262-8707 Fax 608-263-3160 Telex Keywords WATER	812
Strategic Human Resource Management (5 Days) Harvard Business School Executive Education Programs Soldiers Field Glass Hall Boston, Massachusetts 02163 , USA	Phone 617-495-6226 Fax 617-495-6999 Telex 6711172 XEDINTO Keywords HUMAN RESOURCES, MANAGEMENT	813
Plantain Research and Technology Transfer (3 Weeks) International Institute of Tropical Agriculture The Coordinator, Group Training Courses IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords PLANT SCIENCE, RESEARCH	814
Effective Techniques for Contaminated Groundwater Treatment (3 Days) University of Wisconsin John Quigley, Program Director Engineering Information, The Wisconsin Center 702 Langdon Street, University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 800-462-0876 Fax 608-263-3160 Telex Keywords HYDROLOGY, WATER TREATMENT	815
Water Treatment Plant Design (1 Week) University of Wisconsin John Quigley, Program Director Engineering Information, The Wisconsin Center 702 Langdon Street, University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 800-462-0876 Fax 608-263-3160 Telex Keywords WASTE, WATER TREATMENT, COMPUTER	816

Negotiation Skills (4 Days) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	817
Goal Setting and Work Planning System (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords PLANNING, MANAGEMENT	818
Training Methods (3 Weeks) Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords TRAINING, RURAL	819
Problem Solving and Decision Making Skills (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	820
Program in American Language Studies - Evening Program (7 Weeks) Rutgers University Rutgers, the State University of New Jersey New Brunswick, New Jersey 08903 , USA	Phone Fax Telex Keywords LANGUAGE, ENGLISH, CULTURE	821
Conference on Strategic Marketing (4 Days) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MARKETING	822
Managerial Skills for the General Manager (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	823
On Farm Management of Pressurized Irrigation Systems (1 Week) University of California International Training and Education Center University Extension University of California Davis, CA 95616-8727 , USA	Phone 916-757-8686 Fax 916-757-8676 Telex 405838 Keywords IRRIGATION	824
International Goat Production Symposium (1 Week) University of Florida Dr. McGowan, Cooperative Extension Service University of Florida 1001 McCarty Hall Gainesville, FL 32611 , USA	Phone 904-599-3000 Fax Telex Keywords GOATS, PRODUCTION, DAIRY	825
Human Relations (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT, PERSONNEL	826

Cowpea and Soybean Research and Technology Transfer (6 Weeks) International Institute of Tropical Agriculture The Coordinator, Group Training Courses IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords ENVIRONMENT, DISEASE	827
Plant Breeding (34 Weeks) International Centre for Advanced Mediterranean Agronomic Studies Mediterraneo Institute Agronomic de Zaragoza Apartado 202 50080 Zaragoza, Spain , Europe	Phone 76-576013 Fax 76-57-63-77 Telex 58672 IAMX E Keywords PLANT SCIENCE, BREEDING, AGRONOMY	828
Development Course for Managers (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords DEVELOPMENT, MANAGEMENT	829
The Experimentation Phase Workshop (2 Weeks) University of Zimbabwe Workshop Coordinator, Department of Agriculture University of Zimbabwe P.O. Box MP 167, Mount Pleasant Harare, Zimbabwe , Africa	Phone Fax Telex Keywords RESEARCH	830
Introduction to Ergonomics (6 Weeks) Agricultural University Wageningen Secretary PET Department of Forestry, AUW P.O. Box 342 6700 AH Wageningen, the Netherlands , Europe	Phone Fax Telex Keywords SUSTAINABLE, AGROFORESTRY, ANIMAL SCIENCE	831
Management Course for Junior Executives (3 Weeks) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	832
Production Techniques for Extension Audio-Visual Aids (4 Weeks) Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords COMMUNICATION, EXTENSION, VIDEO	833
Intensive Gardening Extension Training (4 Weeks) Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715 , USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords EXTENSION, HORTICULTURE, PLANT SCIENCE	834
Biological Nitrogen Fixation Technology and Inoculant Utilization (1 Month) University of Hawaii Coordinator for International Programs College of Trop Ag & Human Res, Univ. of Hawaii Gilmore Hall, Rm. 214, 3050 Maile Way Honolulu, HI 96822 , USA	Phone 808-948-6441 Fax Telex 7430725 SPRAD HR Keywords PLANT PROTECTION	835
Team-Work: Getting People to Work Together (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	836

Maize Research and Technology Transfer - Phase I (8 Weeks) International Institute of Tropical Agriculture The Coordinator, Group Training Courses IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords PLANT SCIENCE, MAIZE	837
Rural Planning in Relation to the Environment - Advanced Course (37 Weeks) International Centre for Advanced Mediterranean Agronomic Studies Mediterraneo Institute Agronomic de Zaragoza Apartado 202 50080 Zaragoza, Spain , Europe	Phone 76-576013 Fax 76-57-63-77 Telex 58672 IAMX E Keywords RURAL, PLANNING, ENVIRONMENT	838
13th Annual Madison Waste Conference (2 Days) University of Wisconsin John Quigley, Program Director Engineering Information, The Wisconsin Center 702 Langdon Street, University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 800-462-0876 Fax 605-263-3160 Telex Keywords LAND USE, WASTE	839
Maize Breeding, Production, Processing and Marketing in Mediterranean Countries (4 Weeks) Maize Research Institute Dr Dumanovic Maize Research Institute P.O. Box 89 11081 Belgrade-Zemun, Yugoslavia , Europe	Phone 38-11-617-434 Fax Telex 11098 YU INZP Keywords MAIZE, SEED, MARKETING	840
Practice of Management Principles (5 Days) Coverdale Organization, Inc. Ms. Ingrid Jeffers 2007 North Fifteenth Street Suite 209 Arlington, Virginia 22201 , USA	Phone 703-528-1990 Fax 703-528-1993 Telex Keywords MANAGEMENT	841
Basic Agricultural Survey Statistics and Methods (USDA TC 140-33) (6 Weeks) United States Department of Agriculture Freeman Daniels, PM 153 USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4350 , USA	Phone Fax Telex ARIG/WASH 89491, Mezainis, OICD Keywords STATISTICS, DATA	842
On-Farm Experimentation (2 Weeks) International Institute of Tropical Agriculture The Coordinator, Group Training Courses IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords SYSTEMS, RESEARCH	843
Planning and Management of Training Programs (3 Weeks) Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords MANAGEMENT, PLANNING, TRAINING	844
Microcomputing Applications in Monitoring and Evaluation (2 Weeks) Overseas Development Group Course Director University of East Anglia Overseas Development Group Norwich NR4 7TJ , UK	Phone 06-035-8553 Fax Telex 975197 UEACPC G for ODG Keywords COMPUTER, MONITORING, EVALUATION	845
Program in American Language Studies - Daytime Program (7 Weeks) Rutgers University Rutgers, the State University of New Jersey New Brunswick, New Jersey 08903 , USA	Phone Fax Telex Keywords LANGUAGE, ENGLISH, CULTURE	846

On-Farm Water Management (6 Weeks) Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords IRRIGATION, WATER	847
Agricultural Project Analysis and Management (5 Weeks) Mananga Agricultural Management Centre The Principal, MAMC P. O. Box 20 Mhlume, Swaziland , Africa	Phone 31133 or 31334 Fax 31135 Telex 2320 WD Keywords ANALYSIS, MANAGEMENT, PROJECT	848
Vegetable and Fruit Production and Marketing (4 Weeks) Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715 , USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords VEGETABLE, FRUIT, MARKETING	849
Preparation of Reagents for Use in Diagnosis of Haemoprotozoan Cattle Diseases (8 Weeks) International Laboratory for Research on Animal Diseases Information Unit ILRAD P.O. Box 30709 Nairobi , Kenya	Phone Fax Telex Keywords CATTLE, DISEASE	850
Management Skills for Rural Development (1 Month) University of Reading Dr. R. Thomas or Dr. R. Stredwick AERDD No. 3, Earley Gate, Whiteknights Road Reading RG6 2AL , UK	Phone 0734-318025 Fax Telex 847813 A/B RULIB G marked CENTRE APPSTA Keywords MANAGEMENT, HUMAN RESOURCES, PERSONNEL	851
Bibliographic Information on Development (3 Weeks) Iowa State University Chair, International Crop Science Conference Agronomy Department Iowa State University Ames, IO 50010 , USA	Phone 515-294-1163 Fax Telex 283359 IASU UR Keywords INFORMATION, DEVELOPMENT	852
Postharvest Loss Reduction in Perishable Crops (3 Weeks) University of California International Training and Education Center University Extension University of California Davis, CA 95616-8727 , USA	Phone 916-757-8686 Fax 916-757-8676 Telex 406838 Keywords PLANT SCIENCE, POSTHARVEST, PERISHABLE	853
Computer Processing and Information Systems (12 Months) International Statistical Program Center Chief, Training Branch Intl. Statistical Programs Center, Census Bureau Training Branch, Suite 213, Scuderi Bldg. Washington, DC 20233 , USA	Phone 301-763-2860 Fax Telex 892360 CENS BUR WSH Keywords STATISTICS, COMPUTER, DATA	854
Survey and Census Methods (12 Months) International Statistical Program Center Chief, Training Branch Intl. Statistical Programs Center, Census Bureau Training Branch, Suite 213, Scuderi Bldg. Washington, DC 20233 , USA	Phone 301-763-2860 Fax Telex 892360 CENS BUR WSH Keywords SURVEY, STATISTICS, COMPUTER	855
Population and Health Management Information Systems (12 Months) International Statistical Program Center Chief, Training Branch Intl. Statistical Programs Center, Census Bureau Training Branch, Suite 213, Scuderi Bldg. Washington, DC 20233 , USA	Phone 301-763-2860 Fax Telex 892360 CENS BUR WSH Keywords SURVEY, INFORMATION, DATA	856

Developing Marketing Skills (1 Week) Pakistan Institute of Management		857
Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MARKETING	
Advanced Management Program (3 Weeks) Pakistan Institute of Management		858
Registrar Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	
Managing Rural Development (RD 01) (4 Weeks) Asian Institute of Technology		859
The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords RURAL, MANAGEMENT	
Training for Trainers (3 Weeks) Land O'Lakes Manager, International Training P. O. Box 116		860
Minneapolis, MN 55440 , USA	Phone 612-481-2222 Fax 612-481-2022 Telex 212333 ILOL UR Keywords TRAINING, EXTENSION	
Food Texture and Technology (3 Days) The Center for Professional Advancement		861
Registrar P. O. Box 964 East Brunswick, NJ 08816-0964 , USA	Phone 201-613-4500 Fax Telex 139303 (CENPRO EBRW) Keywords FOOD SCIENCE	
Postharvest Microbiology of Fruits and Vegetables (2 Weeks) University of California		862
Intl. Training and Education Center University Extension University of California Davis, CA 95616-8727 , USA	Phone 916-757-8686 Fax 916-757-8676 Telex 405838 Keywords POSTHARVEST, VEGETABLE, FRUIT	
Research Methods and Program Evaluation (3 Weeks) California State Polytechnic University		863
Dr. Richard F. Pedersen, Director International Center 3801 West Temple Avenue Pomona, CA 91768 , USA	Phone 714-869-3336 Fax 714-869-3282 Telex 9105811478 Keywords RESEARCH, EVALUATION, PROGRAM	
Improving Your Personal Effectiveness (1 Week) Pakistan Institute of Management		864
Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT, COMMUNICATION	
Nutritional Aspects of Sheep Grazing and Feeding Under Northern Conditions (2 Days) Agricultural Research Institute		865
Dr. Olafur Gudmundson Agricultural Research Institute Keldnaholt IS 112 Reykjavik , Iceland	Phone Fax Telex Keywords SHEEP, PASTURE, FORAGE	
Small Business Management (MI 10) (4 Weeks) Asian Institute of Technology		866
The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords ENTERPRISE, BUSINESS, MANAGEMENT	

Rehabilitation of Large Scale Irrigation Systems (12 Weeks)		867
Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords IRRIGATION, WATER	
Monitoring and Evaluation of Projects and Programmes (4 Weeks)		868
Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords EVALUATION, MONITORING, PROJECT	
Watershed Interventions and Rehabilitation (4 Weeks)		869
Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715 , USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords FORESTRY, PASTURE, FORAGE	
Agricultural Research Management (4 Weeks)		870
University of California Intl Training and Education Center University Extension University of California Davis, CA 95616-8727 , USA	Phone 916-757-8686 Fax 916-757-8676 Telex 405838 Keywords MANAGEMENT, RESEARCH, SYSTEMS	
Trainers of Trainers in Management Seminar (ALT90-3003) (5 Weeks)		871
Clark Atlanta University Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314 , USA	Phone Fax Telex Keywords MANAGEMENT, TRAINING, COMMUNICATION	
Management Strategies in Enterprises (ALT90-1101) (6 Weeks)		872
Clark Atlanta University Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314 , USA	Phone Fax Telex Keywords ENTERPRISE, MANAGEMENT	
Keys to Rural Development at the Local Level 140-32 Section 4 (2 Weeks)		873
Cornell University Phil Harlan, PM 148 Department of Communication 317A Kennedy Hall Ithaca, NY 14853 , USA	Phone Fax 607-255-1005 Telex 7400228 CDOP UC Keywords RURAL	
Seminar on Hydrology and Water Management of the Amazon Basin (1 Week)		874
University of Illinois International Water Resources Association College of Veterinary Medicine 2001 S. Lincoln Drive Urbana, IL 61801 , USA	Phone 217-333-6275 Fax Telex 5101011969 UI TELCOMURUD Keywords HYDROLOGY, WATER	
Marketing Appreciation for Production and Finance Executives (1 Week)		875
Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MARKETING, FINANCE	
Summer Veterinary Program for University Students (1 Week)		876
Washington State University Dr. Gavin, Veterinary Clinic Department of Natural Resource Sciences Washington State University Pullman, WA 99164-6410 , USA	Phone 509-335-4508 Fax Telex Keywords VETERINARY	

Participatory Approaches to Action Research (3 Weeks)		877
Cornell University Training Officer, Intl Agriculture Program Department of Communication 317A Kennedy Hall Ithaca, NY 14853 , USA	Phone 607-255-3035 Fax 607-255-1005 Telex 558020 INTAG CORNELL Keywords RESEARCH, COMMUNICATION	
Sanitary Landfill Design (3 Days)		878
United States Department of Agriculture USDA/OICD/TTD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-1299 Fax 608-262-3160 Telex Keywords LAND USE, ENVIRONMENT, WASTE	
Wild/Prescribed Fire Management and Economics (2 Weeks)		879
Colorado State University-ICARD Dr. Phil Omni or Dr. Doug Rideout B302 Clark Building Colorado State University Fort Collins, Colorado 80523 , USA	Phone 303-491-5443 Fax 303-491-6441 Telex 910-250-2282 CADI Keywords FIRE, MANAGEMENT	
Management of Agriculture Projects and Services in Rural Development (ALT90-2103) (6 Weeks)		880
Clark Atlanta University Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314 , USA	Phone Fax Telex Keywords RURAL, PROJECT, ENTERPRISE	
Tropical Dairy Production Add-On (1 Week)		881
Land O'Lakes Manager, International Training P. O. Box 116 Minneapolis, MN 55440 , USA	Phone 612-481-2222 Fax 612-481-2022 Telex 212333 ILOL UR Keywords DAIRY, TROPICAL, ANIMAL SCIENCE	
Introduction to Marketing Concepts (1 Week)		882
Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MARKETING	
Pest Management Systems (6 Weeks)		883
Texas Tech University Dr. Marvin Cepica 108 Goddard Building Texas Tech University Lubbock, Texas 79409-2123 , USA	Phone 806-742-282 Fax 806-742-2836 Telex Keywords PEST	
Microcomputing and Information Technology for Planning and Development Professionals (1 Week)		884
Overseas Development Group The Course Director University of East Anglia Overseas Development Group Norwich NR4 7TJ , UK	Phone 0603-57880 Fax Telex 975795 UEACPC G for ODG Keywords COMPUTER, INFORMATION	
Management of Training Centers (ED 03) (6 Weeks)		885
Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords HUMAN RESOURCES, MANAGEMENT, TRAINING	
Agricultural Policy Analysis (8 Weeks)		886
Overseas Development Group Course Director University of East Anglia Overseas Development Group Norwich NR4 7TJ , UK	Phone 06-035-8553 Fax Telex 975197 UEACPC G for ODG Keywords ANALYSIS, POLICY, COMPUTER	

Applied Watershed Modeling (2 Weeks) Colorado State University-ICARD Dr. Freeman Smith B302 Clark Building Colorado State University Fort Collins, Colorado 80523 , USA	Phone 303-491-5443 Fax 303-491-6441 Telex 910-250-2882 CADI Keywords WATER, SOIL, CONSERVATION, COMPUTER	887
Small Scale Irrigation and Water Management (4 Weeks) United States Department of Agriculture Short Course Coordinator USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone Fax Telex Keywords IRRIGATION, WATER	888
Measurement of Productivity and Technological Change (4 Weeks) United States Department of Labor United States Department of Labor, Room S-1310 200 Constitution Avenue N.W. Washington, D.C. 20210 , USA	Phone 202-523-9231 Fax 202-523-7342 Telex Keywords ECONOMICS, STATISTICS, ANALYSIS, DATA	889
Advances in Postharvest Handling and Processing of Tropical Fruits and Vegetables (2 Weeks) University of Hawaii International Programs Office College of Trop Ag & Human Res, Univ. of Hawaii Gilmore Hall, Rm. 214, 3050 Maile Way Honolulu, HI 96822 , USA	Phone 808-948-6441 Fax Telex 7430725 SPRAD Keywords POSTHARVEST, TROPICAL, HORTICULTURE	890
Advances in Postharvest Physiology, Handling and Processing of Tropical Fruit (2 Weeks) University of Hawaii Coordinator for International Programs College of Trop Ag & Human Res, Univ. of Hawaii Gilmore Hall, Rm. 214, 3050 Maile Way Honolulu, HI 96822 , USA	Phone Fax 808-948-6442 Telex 7430725 SPRAD HR Keywords POSTHARVEST, TROPICAL, FRUIT	891
Introduction to Management (1 Week) Pakistan Institute of Management Management House Shahrah Iran Clifton, Karachi-6 , Pakistan	Phone 531-217 Fax Telex Keywords MANAGEMENT	892
Microcomputers for Agricultural Development (10 Weeks) University of London N. J. Spooner Wye College, University of London Ashford, Kent TN25 5AH, England , Europe	Phone 0233 812401 Fax Telex 96118 ANZEEC G WYE Keywords COMPUTER, DEVELOPMENT	893
Technical Forest Management and Economics (2 Weeks) Colorado State University-ICARD Dr. Doug Rideout or F.W. Smith B302 Clark Building Colorado State University Fort Collins, Colorado 80523 , USA	Phone 303-491-5443 Fax 303-491-6441 Telex 910 250 2282 CADI Keywords COMPUTER, FORESTRY, ECONOMICS	894
Water Management and Runoff Farming Methods for Small-Scale Agriculture (120-25) (4 Weeks) United States Department of Agriculture Short Course Coordinator, Int'l Training Div. USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone Fax Telex 7400228 CDOP UC Keywords SYSTEMS, WATER	895
Integrated Microcomputer Processing System (IMPS) (6 Weeks) International Statistical Program Center Robert O. Bartram, Chief Intl. Statistical Programs Center, Census Bureau Training Branch, Suite 213, Scuderi Bldg. Washington, DC 20233 , USA	Phone 301-763-4830 Fax Telex 9102509167 ISPC CENSUS WSH Keywords COMPUTER, STATISTICS	896

Social Research Methods and Evaluation of Programs (3 Weeks) California State Polytechnic University Dr. Richard F. Pedersen, Director International Center 3801 West Temple Avenue Pomona, CA 91768 , USA	Phone 714-869-3336 Fax 714-869-3282 Telex 9105811478 Keywords RESEARCH, EVALUATION, DATA	897
Small Scale Irrigation and Water Management (4 Weeks) Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715 , USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords IRRIGATION, WATER	898
Food Microbiology (3 Days) The Center for Professional Advancement Registrar P. O. Box 964 East Brunswick, NJ 08816-0964 , USA	Phone 201-613-4500 Fax Telex 139303 (CENPRO EBRW) Keywords FOOD SCIENCE	899
Small Scale Irrigation System Design and Operation (4 Weeks) New Mexico State University Center for International Programs Box 30001, Department 3567 New Mexico State University Las Cruces, NM 88003-3567 , USA	Phone 505-646-4735 Fax Telex 9109830549 Keywords IRRIGATION, COMPUTER, DESIGN	900
Construction Management Practices for Water Resources Facilities (2 Weeks) American Water Foundation Larry Stephens American Water Foundation P.O. Box 15577 Denver, CO 80215 , USA	Phone 303-236-6763 Fax Telex 168167 USBREC Keywords WATER, ENGINEERING	901
French Language Institutes (4 Weeks) University of Florida Institute of Food and Agricultural Sciences University of Florida 1001 McCarty Hall Gainesville, FL 32611 , USA	Phone 904-392-5186 Fax Telex Keywords LANGUAGE	902
Low-Cost Aquaculture Development (6 Weeks) Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords AQUACULTURE, FISH	903
Field and Middle-Level Management and Supervision (4 Weeks) Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords HUMAN RESOURCES, MANAGEMENT	904
Development Project Management Workshop (4 Weeks) University of Connecticut Dr. Richard Vengroff, Dean International Affairs Box U-86, 352 Mansfield Road Storrs, CN 06268 , USA	Phone 203-486-5950 Fax 203-486-2627 Telex Keywords MANAGEMENT, PROJECT, COMPUTER	905
Microcomputer Applications in Agricultural Development (140-35) (6 Weeks) Oklahoma State University Musu Clemens, PM 159 Dept. Agric. Economics Room 310, Agric. Hall, OSU Stillwater, OK 74078 , USA	Phone Fax Telex 7400228 CDOP UC Keywords COMPUTER, DEVELOPMENT	906

Trees of Arid and Semi-Arid Australia (8 Weeks) Australian National University ANUTECH Pty. Ltd. Australia Trees Short Course P. O. Box 4 GPO, Australian National University Canberra, Australia , Australia	Phone ISD 6162 490617 Fax Telex AA62760 NATUNI Keywords PLANT SCIENCE, FORESTRY, ECOLOGY	907
Design of Drip Irrigation Systems (3 Weeks) University of Hawaii International Programs Office College of Trop Ag & Human Res, Univ. of Hawaii Gilmore Hall, Rm. 214, 3050 Maile Way Honolulu, HI 96822 , USA	Phone 808-948-6441 Fax Telex 7430725 SPRAD Keywords IRRIGATION, WATER	908
Training Program for Southeast Asia Wildlife Preserve Managers (6 Weeks) University of Idaho International Trade and Development Office Agricultural Engineering Department University of Idaho Moscow, ID 83843 , USA	Phone 208-885-8984 Fax Telex 4931712 ITAD UI Keywords WILDLIFE, MANAGEMENT	909
Video Production II, Training and Development Applications (2 Weeks) Cornell University Training Officer, Intl Agriculture Program Department of Communication 317A Kennedy Hall Ithaca, NY 14853 , USA	Phone 607-255-3035 Fax 607-255-1005 Telex 559020 INTAG CORNELL Keywords VIDEO, COMMUNICATION	910
Information Systems Analysis and Design (3 Weeks) Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords ANALYSIS, COMPUTER, INFORMATION	911
Sustainable Food Production Systems (3 Weeks) International Institute of Tropical Agriculture The Coordinator, Group Training Courses IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords SUSTAINABLE, FOOD PRODUCTION	912
Women, Public Policy and Development: Utilizing Microcomputer Databases (4 Weeks) University of Illinois Dr. Sam Johnson College of Veterinary Medicine 2001 S. Lincoln Drive Urbana, IL 61801 , USA	Phone 217-333-4211 Fax Telex 206957 INTAGURBA Keywords WOMEN, COMPUTER, POLICY	913
Planning and Implementing Technical and Vocational Training Programs (4 Weeks) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641 , USA	Phone 503-737-2228 Fax 503-737-3447 Telex 510 596 0686 Keywords PLANNING, TRAINING	914
International Institute for Effective Management and Decision Making (6 Weeks) Northern Illinois University Director Office of International Training and Consultation Northern Illinois University DeKalb, IL 60115-2854 , USA	Phone 815-753-1098 Fax Telex 311261 NIU DEKALB UD Keywords MANAGEMENT, HUMAN RESOURCES, LEADERSHIP	915
Tenure and Management of Natural Resources in Sub-Saharan Africa (5 Weeks) United States Department of Agriculture Dr. Lawry, Land Tenure Center USDA/OICD/TTD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-1234 Fax Telex Keywords LAND USE, CONSERVATION, NATURAL RESOURCES	916

Marine Parks Management (Advanced) (30 Days) The School for Field Studies Admissions Office 16 Broadway Beverly, MA 01915, USA	Phone 508-927-7777 Fax Telex Keywords MARINE, MANAGEMENT	917
Agroforestry (2 Weeks) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641, USA	Phone 503-737-2228 Fax 503-737-3477 Telex 510 596 0686 Keywords AGROFORESTRY, DESIGN	918
Program Management (140-3) (4 Weeks) United States Department of Agriculture Musu Clemens, PM 157 USDA/OICD/TTD United States Dept of Agriculture Washington, DC 20250-4300, USA	Phone Fax Telex 7400228 CDOP UC Keywords LEADERSHIP, MANAGEMENT, PROGRAM	919
Problems and Practices of Irrigation Systems (120-1) (8 Weeks) Colorado State University-ICARD Short Course Coordinator, Intl Training Division B302 Clark Building Colorado State University Fort Collins, Colorado 80523, USA	Phone Fax 303-491-6441 Telex 7400228 CDOP UC Keywords IRRIGATION, WATER	920
Development Management Workshop (3 Weeks) California State Polytechnic University Dr. Richard F. Pedersen, Director International Center 3801 West Temple Avenue Pomona, CA 91768, USA	Phone 714-869-3336 Fax 714-869-3282 Telex 9105811478 Keywords MANAGEMENT, DEVELOPMENT, COMPUTER	921
Community Forestry (4 Weeks) Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715, USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords FORESTRY, FUELWOOD, AGROFORESTRY	922
Operation of Hydraulic Structures (ICE #9007) (1 Week) Colorado State University International Institute for Civil Engineering IICE Fort Collins, CO 80523, USA	Phone 303-491-7425 Fax Telex 910 930 9000 ENGR CSU FTCN Keywords HYDROLOGY, WATER	923
Small Ruminant Production Techniques (TC# 130-10) (6 Weeks) California State Polytechnic University Dr. Richard F. Pedersen, Director International Center 3801 West Temple Avenue Pomona, CA 91768, USA	Phone 714-869-3336 Fax 714-869-3282 Telex 9105811478 Keywords RUMINANT, GOATS, SHEEP	924
Trainer of Trainers Seminar (Men) (ALT90-3002) (9 Weeks) Clark Atlanta University Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314, USA	Phone Fax Telex Keywords ENTERPRISE, MANAGEMENT, DATA	925
Risk Assessment and Strategies for Reducing Hazards (IICE9006) (2 Weeks) Colorado State University International Institute for Civil Engineering IICE Fort Collins, CO 80523, USA	Phone 303-491-2293 Fax Telex 9109309011 CSU CID FTCN Keywords ENVIRONMENT, NATURAL RESOURCES	926

Project Management (MI 02) (6 Weeks) Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords MANAGEMENT, RURAL, PROJECT	927
Project Monitoring and Evaluation (MI 09) (4 Weeks) Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords EVALUATION, MONITORING, PROJECT	928
Forest Tree Seed Technology (4 Weeks) Mississippi State University Office of International Programs P. O. Box 6342 Mississippi State University Mississippi State, MS 39762 , USA	Phone 601-325-3204 Fax Telex 53882-OIP Keywords SEED, FORESTRY	929
Communication Campaign Planning (3 Weeks) Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords COMMUNICATION, EXTENSION	930
Agricultural Policy Seminar (140-1) (4 Weeks) University of Minnesota Freeman Daniels, PM 153 405 Coffey Hall 1420 Eckles Avenue St. Paul, MN 55108 , USA	Phone Fax Telex 7400228 CDOP UC Keywords POLICY	931
Postharvest Information Management (6 Weeks) Kansas State University PHDS Coordinator International Grains Program Kansas State University Manhattan, KS 66506-2204 , USA	Phone 913-532-6161 Fax Telex 5106000752 KSU GRAINS Keywords INFORMATION, DATA, POSTHARVEST	932
Establishing Data Bases and Analytical Systems for Decision Making (TC#140-10) (8 Weeks) New Mexico State University Short Course Coordinator Box 30001, Department 3567 New Mexico State University Las Cruces, NM 88003-3567 , USA	Phone Fax Telex 7400228 CDOP UC Keywords STATISTICS, SURVEY, ANALYSIS, DATA	933
Agricultural Research Methodology (110-17) (7 Weeks) United States Department of Agriculture Short Course Coordinator, Int'l Training Div. USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone Fax Telex 7400228 CDOP UC Keywords RESEARCH, ANALYSIS	934
Seventh Institute on Livestock in Development (1 Week) Heifer Project International Dr. James DeVries, Institute Director Jalan Raya Puncak P.O. Box 3 Ciawi, Bogor, Indonesia , Asia	Phone 501-376-6836 Fax Telex 4949415 Keywords LIVESTOCK, ANIMAL PRODUCTION	935
Applied Computer Techniques (1 Week) Land O'Lakes Manager, International Training P. O. Box 116 Minneapolis, MN 55440 , USA	Phone 612-481-2222 Fax 612-481-2022 Telex 212333 ILOL UR Keywords COMPUTER, AGRIBUSINESS	936

The Engineer in Transition to Management (3 Days) University of Wisconsin John Quigley, Program Director Engineering Information, The Wisconsin Center 702 Langdon Street, University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 800-462-0876 Fax 608-263-3160 Telex Keywords ENGINEERING, MANAGEMENT	937
Sound-Slide Production (2 Weeks) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords COMMUNICATION, TRAINING	938
Permaculture (1 Week) Heifer Project International Ed Martsolf Jalan Raya Puncak P.O. Box 3 Ciawi, Bogor, Indonesia , Asia	Phone 501-376-6836 Fax Telex 4949415 Keywords SUSTAINABLE, AGRONOMY, LIVESTOCK	939
Women in Livestock Development (2 Days) Heifer Project International Jo Luck Cargile, Director of Global Services Jalan Raya Puncak P.O. Box 3 Ciawi, Bogor, Indonesia , Asia	Phone 501-376-6836 Fax Telex 4949415 Keywords WOMEN, LIVESTOCK, GENDER	940
Tree Nursery Management (4 Weeks) Arizona-Sonora Field School Michael Palmbach A-SFS 2201 N. Indian Ruins Road Tucson, AZ 85715 , USA	Phone 602-722-9798 Fax Telex 825867 AMERAG UF Keywords AGROFORESTRY, FORESTRY, FUELWOOD	941
Root Crops Research and Technology Transfer (8 Weeks) International Institute of Tropical Agriculture Coordinator, Group Training IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords EXTENSION, PLANT SCIENCE, PEST, RESEARCH	942
Management of Government Organizations (140-23) (6 Weeks) United States Department of Agriculture Howard Oppen, PM 132 USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone Fax Telex 7400228 CDOP UC Keywords MANAGEMENT, ORGANIZATION	943
Regeneration and Sustainable Management (2 Weeks) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641 , USA	Phone 503-737-2228 Fax 503-737-3447 Telex 510 596 0686 Keywords AGROFORESTRY, FORESTRY	944
Goat Management Practices (4 Weeks) Prairie View A & M University Short Course Coordinator Prairie View A & M, Int'l Dairy Goat Research Center P.O. Box U Prairie View, TX 77446-2886 , USA	Phone 409-857-3926 Fax 409-857-2325 Telex Keywords GOATS, VETERINARY, DAIRY	945
Feed Technology (1 Week) University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords FEED, LIVESTOCK, NUTRITION	946

Keys to Rural Development at the Local Level (140-32) Section 2 (2 Weeks)		947
Cornell University Phil Harlan, PM 148 Department of Communication 317A Kennedy Hall Ithaca, NY 14853 , USA	Phone 607-255-3035 Fax 607-255-1005 Telex 7400228 CDOP UC Keywords RURAL	
Training of Trainers for Multicultural Groups (2 Days)		948
World Center for Development and Training Ms. Beth O'Brien 1730 North Lynn Street Suite 410 Arlington, VA 22209 , USA	Phone 703-524-2700 Fax Telex Keywords TRAINING, CULTURE	
Wildlife Habitat Management (2 Weeks)		949
Utah State University Dr. Kadlec Utah State University Logan, UT 84322-4150 , USA	Phone 801-750-2459 Fax 801-750-1248 Telex 3789426 UTAHSTATE LOGN Keywords WILDLIFE, FORESTRY, MANAGEMENT	
Swine Production (1 Week)		950
University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords BREEDING, GENETIC, SWINE	
Banana Production (2 Weeks)		951
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords HORTICULTURE, FRUIT	
Mango Production (1 Week)		952
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords HORTICULTURE, FRUIT	
Citrus Production (1 Week)		953
University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords HORTICULTURE, FRUIT	
Artificial Insemination and Pregnancy Diagnosis in Cattle (2 Weeks)		954
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords CATTLE, BREEDING, GENETIC	
Dairy Cattle Health Management (2 Weeks)		955
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords CATTLE, DAIRY, ANIMAL SCIENCE	
Dairy Products Manufactured at Home (1 Week)		956
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords FOOD PRODUCTION, DAIRY	

Mobile Workshop on Buffer-Zone Management for Neotropical Protected Areas (2 Weeks)		957
University for Peace Director, Natural Resources University for Peace Apartado 199, 1250 Escazu San Jose , Costa Rica	Phone 506-491324 Fax 506-491929 Telex Keywords TROPICAL, ECOLOGY, NATURAL RESOURCES	
Intensive English Program (7 Weeks)		958
Colorado State University-ICARD IEP Coordinator B302 Clark Building Colorado State University Fort Collins, Colorado 80523 , USA	Phone 303-491-6616 Fax 303-491-6441 Telex Keywords LANGUAGE	
Feed Evaluation and Formulation for Dairy Animals (2 Weeks)		959
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords FEED, DAIRY, NUTRITION	
Technology Orientation for Development Managers (4 Weeks)		960
Asian Institute of Technology The Director GPO Box 2754 Bangkok 10501, Thailand , Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords ECONOMICS, MANAGEMENT	
Consultation on Trypanosomiasis in Africa (1 Week)		961
International Laboratory for Research on Animal Diseases Information Unit ILRAD P.O. Box 30709 Nairobi , Kenya	Phone Fax Telex Keywords DISEASE	
Production Techniques for Instructional Audio-Visual Aids (4 Weeks)		962
Dev. Training and Communications Planning/United Nations Training Coordinator DTCP/UNDP, 5th Floor, Bonifacio Bldg. Univ. of Life Campus, Meralco Avenue, Pasig Metro Manila, Philippines , Asia	Phone 673-6401 to 5 Fax Telex 29018 DTCP PH Keywords COMMUNICATION, TRAINING, VIDEO	
Control of Tick-Borne Diseases, With Emphasis on East Coast Fever Immunization (4 Weeks)		963
International Laboratory for Research on Animal Diseases Information Unit ILRAD P.O. Box 30709 Nairobi , Kenya	Phone Fax Telex Keywords DISEASE	
Smallholder Beef Cattle Production (1 Week)		964
University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords BREEDING, LIVESTOCK, GENETIC	
Dairy Production (2 Weeks)		965
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords DAIRY, ANIMAL PRODUCTION	
Tissue Culture of Banana (1 Week)		966
University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords HORTICULTURE, FRUIT, TISSUE	

International Course on Fire Prevention (3 Weeks)	967
International Centre for Advanced Mediterranean Agronomic Studies	
Mediterraneo Institute Agronomic de Zaragoza	Phone 76-576013
Apartado 202	Fax 76-57-63-77
50080 Zaragoza, Spain , Europe	Telex 58672 IAMX E
	Keywords FIRE, FORESTRY
Production and Management of Small Animals (4 Weeks)	968
Arizona-Sonora Field School	
Michael Palmbach	Phone 602-722-9798
A-SFS	Fax
2201 N. Indian Ruins Road	Telex 825867 AMERAG UF
Tucson, AZ 85715 , USA	Keywords ANIMAL SCIENCE, ANIMAL PRODUCTION
Planning, Economics and Management of Fishing - Advanced Seminar (2 Weeks)	969
International Centre for Advanced Mediterranean Agronomic Studies	
Mediterraneo Institute Agronomic de Zaragoza	Phone 76-576013
Apartado 202	Fax 76-57-63-77
50080 Zaragoza, Spain , Europe	Telex 58672 IAMX E
	Keywords FISH, ECONOMICS, PLANNING
Managing Training and Development in the 1990's (8 Weeks)	970
Ridgetown College of Agriculture Technology	
The Director, Intl Mngmnt Development Institute	Phone 412-648-7430
	Fax
	Telex 199126
Ridgetown, Ontario NOP 2 CO , Canada	Keywords TRAINING, MANAGEMENT, COMMUNICATION
Poultry Production (1 Week)	971
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords POULTRY
Plant Propagation and Nursery Management of Economic Plants (1 Week)	972
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords HORTICULTURE, PLANT SCIENCE, SEED
Propagation and Cultural Management of Selected Medicinal Plants (1 Week)	973
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords HORTICULTURE, PLANT SCIENCE
Black Pepper Production (1 Week)	974
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords HORTICULTURE, PLANT SCIENCE
Coffee Production and Processing (1 Week)	975
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords HORTICULTURE, PLANT SCIENCE
Technology and Management for Eggplant, Tomato, Pepper and Watermelon Family (1 Week)	976
University of the Philippines	
	Phone
University of the Philippines	Fax
	Telex
Los Banos, Philippines 4031 , Asia	Keywords PLANT SCIENCE, VEGETABLE, HORTICULTURE

Vegetable Production (for Beginners) (13 Days)	977
University of the Philippines University of the Philippines Los Banos, Philippines 4031, Asia	Phone Fax Telex Keywords PLANT SCIENCE, VEGETABLE
Draught Animal Technology (7 Weeks)	978
University of Edinburgh TROPAG Consultants Unived Technologies Ltd. 16 Buccleuch Place EH8 9LN, Scotland, UK, Europe	Phone 031-667-1041 x375 Fax Telex 727617 ESCA G Keywords ANIMAL POWER, ANIMAL SCIENCE
Hemotropic Diseases of Food Animals (20 Weeks)	979
University of Illinois Director, Office of International Collaboration College of Veterinary Medicine 2001 S. Lincoln Drive Urbana, IL 61801, USA	Phone 217-244-2106 Fax Telex 206957 Keywords TROPICAL, DISEASE
Managerial Accounting for Non-Accountants (1 Week)	980
Land O'Lakes Manager, International Training P. O. Box 116 Minneapolis, MN 55440, USA	Phone 612-481-2222 Fax 612-481-2022 Telex 212333 ILOL UR Keywords ACCOUNTING, FINANCE
Animal Production and Nutrition (3 Weeks)	981
University of Edinburgh TROPAG Consultants Unived Technologies Ltd. 16 Buccleuch Place EH8 9LN, Scotland, UK, Europe	Phone 031-667-1041 x375 Fax Telex 727617 ESCA G Keywords ANIMAL SCIENCE, NUTRITION
Extrusion Processing of Nutritious Foods (2 Weeks)	982
Colorado State University-ICARD R. Tribelhorn, Extrusion Course Coordinator B302 Clark Building Colorado State University Fort Collins, Colorado 80523, USA	Phone 303-491-8386 Fax 303-491-6441 Telex 910-930-9000 ENGR CSU FTCN Keywords FOOD SCIENCE
Groundwater Resource Evaluation and Management (8 Weeks)	983
Asian Institute of Technology The Director GPO Box 2754 Bangkok 10601, Thailand, Asia	Phone 529-0100-13 x2136 Fax 66-2-529-0374 Telex 84276 AIT TH Keywords HYDROLOGY, WATER
Cacao Production and Processing (1 Week)	984
University of the Philippines University of the Philippines Los Banos, Philippines 4031, Asia	Phone Fax Telex Keywords HORTICULTURE, PLANT SCIENCE
Food Policy Management (4 Weeks)	985
Mananga Agricultural Management Centre The Principal, MAMC P. O. Box 20 Mhlume, Swaziland, Africa	Phone 31133 or 31334 Fax 31135 Telex 2320 WD Keywords MANAGEMENT, POLICY
Train the Trainers Course on Beekeeping (16 Weeks)	986
Wolverhampton Polytechnic Agricultural and Education Training Unit Wolverhampton Polytechnic Castle View, Dudley DY13HR West Midlands, UK	Phone Fax Telex Keywords BEEKEEPING, WOMEN, TRAINING

Food Crops Utilization and Nutrition (4 Weeks) International Institute of Tropical Agriculture Coordinator, Group Training ITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords NUTRITION, PLANT SCIENCE	987
Principles of Sustainable Agriculture (16 Weeks) ETC Foundation ETC Foundation P.O. Box 64 3834 AE Leusden, the Netherlands , Europe	Phone Fax Telex Keywords SUSTAINABLE, AGROFORESTRY, ANIMAL SCIENCE	988
Principles of Sustainable Agriculture (6 Weeks) University of Florida Dr. E. T. York University of Florida 1001 McCarty Hall Gainesville, FL 32611 , USA	Phone 904-392-6545 Fax Telex Keywords SYSTEMS, DEVELOPMENT	989
Environmental Impact Assessment (EIA): Agriculture and Forestry Activities (2 Weeks) International Centre for Advanced Mediterranean Agronomic Studies Mediterranean Institute Agronomic de Zaragoza Apartado 202 50086 Zaragoza, Spain , Europe	Phone 76-576013 Fax 76-57-63-77 Telex 58672 IAMX E Keywords FORESTRY, ENVIRONMENT	990
Extension Publications Production (1 Week) University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords COMMUNICATION, EXTENSION	991
Basic Photography (2 Weeks) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords COMMUNICATION	992
Serological Detection of Plant Viruses and Plant Pathogenic Bacteria (2 Weeks) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords PLANT SCIENCE	993
Trainers of Trainers Seminar (Women) (ALT90-3001) (6 Weeks) Clark Atlanta University Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314 , USA	Phone Fax Telex Keywords ENTERPRISE, TRAINING, WOMEN	994
Pesticide Management Training Strategies (4 Days) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641 , USA	Phone 503-737-2228 Fax 503-737-3447 Telex 510 596 0686 Keywords PEST, TROPICAL	995
Management of Irrigation Projects (4 Weeks) Mananga Agricultural Management Centre The Principal P. O. Box 20 Mhlume, Swaziland , Africa	Phone 31133 or 31334 Fax 31135 Telex 2320 WD Keywords IRRIGATION, WATER	996

Sustainable Agriculture (3 Weeks) University of the Philippines Office of the Director of Extension University of the Philippines Los Banos, Philippines 4031 , Asia	Phone 2446 Fax Telex Keywords SUSTAINABLE, PEST	997
Beekeeping for Beginners (1 Week) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords BEEKEEPING, PEST	998
Post Harvest Handling of Perishable Crops (1 Week) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords POSTHARVEST, STORAGE	999
Soil Fertility and Fertilizer Management (2 Weeks) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords FERTILIZER, SOIL	1000
Alley Farming for Tropical Africa (3 Weeks) International Institute of Tropical Agriculture Coordinator, Group Training IITA, Training Office Cyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords EXTENSION, SYSTEMS, RESEARCH	1001
Economics and Problem Solving (2 Weeks) Oregon State University Training Coordinator Office of International Research & Development Snell Hall 400 Corvallis, OR 97331-1641 , USA	Phone 503-737-2228 Fax 503-737-3447 Telex 510 596 0686 Keywords ECONOMICS, ANALYSIS, FORESTRY	1002
Bionomics and Control of Rodents, Termites and Household Pests (1 Week) University of the Philippines University of the Philippines Los Banos, Philippines 4031 , Asia	Phone Fax Telex Keywords PEST	1003
Understanding Site Remediation (4 Days) University of Wisconsin 432 North Lake Street University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 608-262-2061 Fax 608-263-3160 Telex Keywords WASTE	1004
Tissue Culture Technologies and Laboratory Practices (5 Months) Colorado State University-ICARD Director, ICARD B302 Clark Building Colorado State University Fort Collins, Colorado 80523 , USA	Phone 303-491-1813 Fax 303-491-6441 Telex 3711418 Keywords TISSUE, PLANT SCIENCE, AGRONOMY	1005
Regional, Sector and National Planning Seminar (ALT90-2101) (8 Weeks) Clark Atlanta University Institute for Int'l Affairs and Development Clark Atlanta University James P. Brawley Drive at Fair Street, S.W. Atlanta, GA 30314 , USA	Phone Fax Telex Keywords MANAGEMENT, PLANNING, PROJECT	1006

Research Farm Management (3 Weeks) International Institute of Tropical Agriculture Coordinator, Group Training IITA, Training Office Oyo Road, PMB 5320 Ibadan, Nigeria , Africa	Phone Fax Telex Keywords RESEARCH, MANAGEMENT, SYSTEMS	1007
Effective Communication of Research Findings (2 Weeks) University of Sussex The Institute of Development Studies University of Sussex Falmer Brighton BR1 9RE , UK	Phone 0273-606261 Fax Telex 877997 IDSBTN G Keywords COMMUNICATION, RESEARCH	1008
Identifying Toxicity With Biomonitoring and Toxicity Reduction Evaluations (3 Days) University of Wisconsin Dr. Patrick Eagan 432 North Lake Street University of Wisconsin Madison, Wisconsin 53706 , USA	Phone 608-262-2061 Fax 608-263-3160 Telex Keywords MONITORING, EVALUATION, WASTE	1009
Multicultural Management for the 1990's (2 Days) World Center for Development and Training Ms. Beth O'Brien 1730 North Lynn Street Suite 410 Arlington, VA 22209 , USA	Phone 703-524-2700 Fax Telex Keywords MANAGEMENT, CULTURE, TRAINING	1010
Swine Management and Production (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords SWINE, NUTRITION, PRODUCTION	1011
Poultry Management (36 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3100 Fax Telex Keywords FEED, POULTRY, PRODUCTION	1012
Farm Insects (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords PEST, ENTOMOLOGY	1013
Farm Electrification (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords EQUIPMENT	1014
Elements of Public Speaking (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords BUSINESS, COMMUNICATION	1015
Advanced Soil Management (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords SOIL, MANAGEMENT	1016

Dairy Product Processing and Quality (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords DAIRY, FOOD SCIENCE	1017
Dairy Herd Management (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords CATTLE, DAIRY	1018
Genetic Improvement of Dairy Cattle (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords CATTLE, GENETIC, DAIRY	1019
Grain Crops Production and Management (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords PLANT SCIENCE, PRODUCTION, GRAIN	1020
Weed Identification and Control (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords PLANT SCIENCE, PEST, PLANT PROTECTION	1021
Farm Law (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords AGRICULTURE, RURAL	1022
Rural Economic Issues (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords ECONOMICS, RURAL, BUSINESS	1023
Prevention and Control of Diseases of Livestock (6 Weeks) United States Department of Agriculture R. H. Daluge, Director USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone 608-262-3001 Fax Telex Keywords LIVESTOCK, DISEASE	1024
The Diagnostic Phase Workshop (3 Weeks) University of Zimbabwe Workshop Coordinator, Department of Agriculture University of Zimbabwe P.O. Box MP 167, Mount Pleasant Harare, Zimbabwe , Africa	Phone Fax Telex Keywords RESEARCH	1025
Geographic Information Systems for Integrated Land Use Planning (5 Days) Banff Centre Michele Couture, Resource Management The Banff Centre Box 1020, Banff Alberta, Canada T0L 0C0 , Canada	Phone 403-762-6422 Fax Telex 03-826657 ARTSBANFF Keywords REMOTE SENSING, LAND USE	1026

Tropical Agriculture (12 Months) James Cook University of North Queensland Registrar Townsville, Australia 4811 , Australia	Phone 077-81-4111 Fax Telex Keywords TROPICAL, DAIRY, PASTURE	1027
Trees of Temperate Australia (8 Weeks) Australian National University ANUTECH Pty. Ltd. Australia Trees Short Course P. O. Box 4 GPO, Australian National University Canberra, Australia , Australia	Phone Fax Telex AA62760 NATUNI Keywords ECOLOGY, FORESTRY	1028
Project Implementation and Management Skills (2 Weeks) United States Department of Agriculture Short Course Coordinator USDA/OICD/ITD United States Dept of Agriculture Washington, DC 20250-4300 , USA	Phone Fax Telex 7400228 CDOP UC Keywords MANAGEMENT, PROJECT	1029
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