

BIBLIOGRAPHIC DATA SHEET

1. CONTROL NUMBER
PN-AAH-6112. SUBJECT CLASSIFICATION (695)
JG00-0000-0000

3. TITLE AND SUBTITLE (240) Title XII Source book of educational and training resources in agriculture, home economics, and natural resources at institutions on the Title XII Registry, v.6: Non-degree Programs by subject

4. PERSONAL AUTHORS (100)

Yarrison, B. G.; Sandman, P. M.; Harsell, Elizabeth

5. CORPORATE AUTHORS (101)

AID/BIFAD

6. DOCUMENT DATE (110)
19807. NUMBER OF PAGES (120)
257p.8. ARC NUMBER (170)
378.4.Y29

9. REFERENCE ORGANIZATION (130)

BIFAD

10. SUPPLEMENTARY NOTES (500)

(Source book consists of v.1-7; PN-AAH-606 - PN-AAH-612)

11. ABSTRACT (950)

12. DESCRIPTORS (920)

Training facilities
Home economics
Education, Continuing
Institutions
Participant training
USAAgricultural education
Natural resources
Education, Higher

13. PROJECT NUMBER (150)

14. CONTRACT NO.(140.)

BIFAD

15. CONTRACT TYPE (140)

16. TYPE OF DOCUMENT (160)

378.4
Y29
v.6

AN-AAH-611

**TITLE XII
SOURCE BOOK**

**VOLUME 6
Non-degree Programs by Subject**

1980



**Board for International Food and Agricultural Development
International Development Cooperation Agency
Agency for International Development**

TITLE XII
SOURCE BOOK
VOLUME 6

NON-DEGREE PROGRAMS BY SUBJECT

Source Book of Educational and Training Resources
in Agriculture, Home Economics, and Natural Resources
at Institutions on the Title XII Registry

Betsy Greenleaf Yarrison, Editor
Peter M. Sandman, Co-editor
Elizabeth Harsell, Editorial Assistant

Board for International Food and Agricultural Development
International Development Cooperation Agency
Agency for International Development
1980

PREFACE -- VOLUME 6

The Title XII Source Book describes educational and training resources in Agriculture, Home Economics, and Natural Resources offered at institutions registered under Title XII of the Foreign Assistance Act.

It is designed for use by A.I.D. mission and Washington personnel, Title XII officers, directors of international programs, and other interested persons.

The Source Book is presented in seven volumes:

- Volume 1 -- Degree Programs by Subject Area
- Volume 2 -- Degree Programs: Western Region
- Volume 3 -- Degree Programs: North Central Region
- Volume 4 -- Degree Programs: Southern Region
- Volume 5 -- Degree Programs: Northeastern Region
- Volume 6 -- Non-degree Programs by Subject
- Volume 7 -- Non-degree Programs by Institution

Volume 6 describes non-degree programs in Agriculture, Home Economics, and Natural Resources offered by Title XII Registry institutions. These are listed by subject, and include information on costs, course content, and name of institutional contact person.

Short courses, seminars, workshops, internships, in-the-field training programs, conferences, and all other offerings a week or longer in duration have been included. Institutions indicate whether they can offer programs in languages other than English, and whether they are willing to offer them overseas.

Programs lasting less than a week have not been listed here, but are available at most participating institutions, as are individualized study programs developed on request to meet students' particular needs.

This list is not all-inclusive, but can serve as a guide to non-degree programs especially appropriate to students from less developed countries.

Those interested should contact the institution directly to learn whether the course is currently being offered, and the current cost.

BACKGROUND OF THE SOURCE BOOK

Title XII of the Foreign Assistance Act: Famine Prevention and Freedom from Hunger authorizes and encourages new involvement by U. S. universities and two government agencies, USDA and NOAA, in helping to solve the critical food problems of the developing world. In particular, Title XII provides for strengthening the capacity of U. S. land-grant and other eligible institutions to participate in enhanced international food production and in the improvement of nutrition worldwide. Programs under Title XII are administered and monitored by the Board for International Food and Agricultural Development (BIFAD), whose membership is drawn both from universities and from the private sector.

BIFAD is broadly charged with articulating the needs and problems of developing countries with the substantial resources of U. S. institutions in areas relevant to international agricultural development. According to its Chairman, Clifton R. Wharton, Jr.: "We believe that the agricultural and related disciplinary complexes of the American higher education system, in collaboration with colleagues and institutions abroad, have unique and essential contributions to make to attaining worldwide freedom from famine, hunger and malnutrition. We further believe that the Title XII program has the potential of engaging the fundamental strengths of these institutions in a variety of ways which will be highly useful to the developing nations and, simultaneously, most beneficial and satisfying to our own educational and research institutions and to our people." Constituted under BIFAD are two permanent committees, the Joint Research Committee (JRC) and the Joint Committee on Agricultural Development (JCAD). The JRC, composed of scientists from universities, government, and private industry, is concerned with all Title XII research activities directed toward the discovery of new knowledge and the development of technology useful to the less developed countries. This includes both collaborative research support programs and centrally funded research projects of AID. The JCAD assesses priority needs for strengthening agricultural institutions in the less developed countries. The committee also participates in the design and review of Title XII projects directed toward meeting such needs and assists BIFAD in "matching up" U. S. institutions with projects and programs in developing countries.

This Source Book is part of the ongoing effort in BIFAD to match available resources with priority needs. The Title XII Registry includes 134 widely diverse institutions, each with special expertise applicable to the problems of less developed countries. Each participating university is working to strengthen its research and training capacities at home and abroad, and to increase its collaboration and exchange with developing nations. Nearly all have strong emphases in agricultural business, extension education, production agriculture, agricultural economics, and foods and nutrition, as well as child and family development, resource economics, and natural resource management. However, each institution has a unique approach to these subject areas and others, based on its geographical location and its climate, its curricular tradition, and its human resources--both faculty and students. This Source Book supplies a specialized profile of each Title XII institution, centering on its unique features and on the particular contribution it can make toward the overall goal of applying scientific and technological learning to help prevent famine and to foster international agricultural development.

ACKNOWLEDGMENTS

Much of the data for this Source Book was supplied by four groups which routinely collect information about degree and non-degree programs offered by their member institutions: the Extension Committee on Policy (ECOP) and the Resident Instruction Committee on Policy (RICOP) of the National Association of State Universities and Land-Grant Colleges, the American Association of State Colleges and Universities, and the Home Economics Commission of the American Home Economics Association. Signe Betsinger for the Home Economics Commission, Lark Carter for RICOP, James Kirkwood and Burleigh Webb for the 1890 land-grant colleges, Charles Smallwood for AASCU, and Wayne Bath and Lowell Watts for ECOP offered invaluable assistance, modifying their process of data collection to be especially responsive to Title XII needs. Through their efforts, 90% of the eligible institutions are represented in this Source Book. We would also like to thank the Institute of International Education, presently at work on a corollary publication, which provided professional cooperation on the project. This Source Book has been prepared under the general direction of BIFAD and its JCAD and JRC Training and Education Group.

TITLE XII TRAINING AND EDUCATION GROUP

Richard H. Merritt, Chairman
Dean of Instruction
Cook College, Rutgers University
New Brunswick, New Jersey

Tony J. Cunha, Dean
School of Agriculture
California State Polytechnic Univ.
Pomona, California

Kenneth McDermott
Development Support Bureau/AID
Department of State
Washington, D.C.

William Hoofnagle, Deputy Director
for Technical Assistance
O.I.C.D./U.S.D.A.
Washington, D.C.

Lowell Watts, Director
Cooperative Extension Service
Colorado State University
Fort Collins, Colorado

James Kirkwood, Director
Division of Agriculture
Fort Valley State College
Fort Valley, Georgia

Burleigh Webb, Dean
School of Agriculture
N.C. A & T State University
Greensboro, North Carolina

Ex officio members

Robert Ayling, Deputy Director
for International Training
O.I.C.D./U.S.D.A.
Washington, D.C.

Lark Carter, Associate Dean
College of Agriculture
Montana State University
Bozeman, Montana

Wayne Bath, Associate Director
Cooperative Extension Service
Washington State University
Pullman, Washington

Signe Betsinger
College of Home Economics
University of Minnesota
St. Paul, Minnesota

Earl Brown, Dean
College of Agriculture
University of Maryland
College Park, Maryland

James Goodman, Director
O.I.T./A.I.D. Development Support
Bureau
Department of State
Washington, D.C.

Harold Matteson, Director
Center for International Programs
New Mexico State University
Las Cruces, New Mexico

Charles M. Smallwood, Dean
College of Agriculture & Home
Economics
California State University
Fresno, California

NON-DEGREE PROGRAMS
IN AGRICULTURE, HOME ECONOMICS, AND NATURAL RESOURCES
AT TITLE XII INSTITUTIONS
(Listed by Subject Area)

Agricultural Business Management	1
Agricultural Communication	15
Agricultural Economics	21
Agricultural Education	27
Agricultural Engineering	34
Agricultural Marketing	37
Agricultural Mechanization	45
Agricultural Policy	50
Agricultural Research Methodology	54
Agronomy	58
Animal Science	65
Apiculture	79
Aquaculture	83
Community Development	87
Dairy Science	98
Entomology	101
Environmental Health	103
Extension Education	106
Family Development	122
Farm Management	124
Fisheries	126
Food Science	129
Food Service	123
Forestry	137
Fruit Culture	153
General Agriculture	158
General Horticulture	163
Home Economics Extension	166
Human Development	173
Irrigation Engineering	178
Meteorology	187
Natural Resource Management	189
Nutrition	191
Park Management	198
Pest Management	200
Plant Pathology	206
Plant Science	208
Poultry Science	212
Range Management	217
Remote Sensing	220
Resource Economics	223
Seed Technology	226
Soils	231
Statistics	236
Vegetable Culture	241
Water Management	246

AGRICULTURAL BUSINESS MANAGEMENT

Institute of Applied Agriculture
Institution

Animal Science Annex 2303
Address
University of Maryland
College Park, Maryland 20742
Zip Code

TITLE OF TRAINING PROGRAM: INSTITUTE OF APPLIED AGRICULTURE

Maximum possible enrollment: 150
Cost: \$2562.00/full-time student per year

OBJECTIVES AND INTENDED AUDIENCE:

A two-year post-secondary technical program designed to develop in individuals the knowledge and skills needed for entry into semi-professional, mid-management jobs in agriculture and agriculture-related industries.

CONTENT:

Three major programs are offered: Business Farming, Ornamental Horticulture, and Turfgrass and Golf Course Management. The Business Farming program provides for specialization in agricultural business management or farm production and management. The Ornamental Horticulture program offers five management options: landscape management, greenhouse management, nursery management, garden center management and florist shop management. The Turfgrass and Golf Course Management program provides extensive course work in turfgrass identification, selection, establishment, and maintenance.

FORMAT/FREQUENCY/DURATION

Courses are offered on a semester basis, with approximately 16 weeks of instruction. Many of the courses offered are highly laboratory-oriented.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Ronald J. Seibel
Title: Director, Institute of Applied Agriculture.
Telephone: (301) 454-3938

California State Polytechnic University
Institution
School of Agriculture
3801 West Temple Avenue
Address
Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURAL COOPERATIVES

Maximum possible enrollment: 50
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

Objectives:

- 1) To prepare interested individuals to organize and manage successful farm and farm-related cooperative enterprises
- 2) For those who are already involved with the operation and management of cooperatives, this program should be useful in enhancing their analytical skills in solving problems related to the operation and management of cooperatives
- 3) To study cases involving problems related to the management of cooperatives in various countries

Intended audience: Interested individuals preferably with university or technical training

CONTENT:

- 1) History and principles of cooperatives
- 2) Organization and structure
- 3) Modern management techniques
- 4) Operation of cooperatives
- 5) Education of cooperative members
- 6) Training of officials, employees
- 7) Financing cooperatives
- 8) Budgeting
- 9) Personnel relations
- 10) Communication and public relations
- 11) Role of government in cooperative development
- 12) Current cooperative developments in various countries

FORMAT/FREQUENCY/DURATION

1 week short course

LANGUAGES OF INSTRUCTION IN U.S.:

Japanese and English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Japanese or English

INSTITUTION CONTACT:

Name: Edison I. Cabacungan, Ph. D.

Title: Associate Professor

Telephone: (714) 598-4110

California State Polytechnic University

Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California 91768

Zip Code

TITLE OF TRAINING PROGRAM: ADMINISTRATIVE MANAGEMENT PROCEDURES FOR UNIVERSITY,
MINISTRY OF AGRICULTURE AND GOVERNMENT BUREAU OPERATIONS

Maximum possible enrollment: 25

Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To provide education in the techniques of management and supervision for university, ministry of agriculture, and/or government bureau personnel who have been educated in scientific disciplines and now find themselves in managerial roles.

CONTENT:

The role of the leader-manager, management by objectives. Personnel matters including initial appointment, evaluation for retention and promotion, and professional development for professional and support staff. Development of program priorities and supporting budgets. Supervisorial-employee relationships, employee motivation. Liaison work with other agencies and institutions.

FORMAT/FREQUENCY/DURATION

8 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. T. J. Cunha

Title: Dean, School of Agriculture

8

Telephone: (714) 598-4101

U.S. Department of Agriculture
Institution

OICD/ITD, Room 3538-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-15, AGRICULTURAL PROJECT PLANNING FOR IMPLEMENTATION

Maximum possible enrollment: 25
Cost: \$815.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

Participants will learn how to specify project objectives, fashion available project "package," examine alternatives, components and implementation approaches, estimate resource needs and project outcomes, and present project proposals to decision makers.

This course is designed for mid-level planners, technical resource persons, decision makers, and managers in Ministries of Agriculture and Ministries of Planning.

CONTENT:

This course for mid-level managers helps them apply management concepts to agricultural development project planning to bring about more timely implementation and completion of projects. The course centers on the role of the planner in selecting, designing, and implementing development projects. Topics included are: (1) a perspective of projects and their role in development; (2) the identification of project aims, needs, and constraints from economic, sociological, and political perspectives; (3) use of logical framework analysis; (4) formulating project proposals; (5) network analysis using PERT and CPM; (6) formulating organizational structures considering leadership requirements and interagency coordination problems; (7) consideration of the human dynamics of project planning with particular emphasis on local involvement; and (8) case studies for home country applications.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/5 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English, Spanish, and French

INSTITUTION CONTACT:

Name: Robert Doan
Title: Program Specialist
Telephone: (202) 447-4986

U.S. Department of Agriculture
Institution
USDA/OICD, Room 3532-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-16, MANAGING AGRICULTURAL PROJECTS

Maximum possible enrollment: 25
Cost: \$975.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

Participants learn to activate a project plan and keep it on schedule through changed organizational arrangements and improved monitoring systems.
This course is designed for mid-level project management personnel.

CONTENT:

This course is designed to help participants identify and solve organizational and technical problems encountered in implementing agricultural projects, including organization diagnosis and alternative structures, information feedback systems and network analysis for controlling project progress and cost. Techniques for formative and summative evaluation of projects are presented.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visit/annually/6 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X* Yes No *In 1980 and after

If yes, in what languages?

English, Spanish, and French

INSTITUTION CONTACT:

Name: Richard J. Edwards

Title: Program Specialist

Telephone: (202) 447-2613

U. S. Department of Agriculture
Institution

OICD/ITD, Room 3548-South Building
Address

Washington, D. C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-24, MANAGEMENT OF AGRICULTURAL RESEARCH

Maximum possible enrollment: 25
Cost: \$1275

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to help participants develop a greater understanding of the special attributes that are required to manage an agricultural research program. They will learn to identify and prioritize the needs for new knowledge and technology, transform a given resource base of personnel, funds and facilities into a systematic, coordinated effort to solve these problems and collaborate with outreach organizations to disseminate research results.

This course is intended for persons having responsibility for managing the operations of agricultural research organizations in the developing nations.

CONTENT:

This course emphasizes the uniqueness of the agricultural research process. Participants will examine the ways agricultural research is organized, funded and managed in various countries and focus on the problems of research management being experienced in their own countries. Specific topics include the research environment and the role of agricultural research in the national society and economy, identification of research needs, establishment of research priorities, development of a comprehensive and integrated research plan, acquiring and effective utilization of resources, management of scientific and research staff and utilization of research results.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visit/annually/six weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No In 1981 and after

If yes, in what languages?

English, Spanish and French

INSTITUTION CONTACT:

Name: A. J. Schultz
Title: Program Specialist

Telephone: (202) 447-4300

U.S. Department of Agriculture
Institution

OICD/TID, Room 3556-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-17, MANAGEMENT AND THE ROLE OF WOMEN IN DEVELOPMENT

Maximum possible enrollment: 25

Cost: \$1200.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

Participants will: (1) increase their personal skills and competencies as managers, (2) learn to increase the effectiveness of their own organization, and (3) increase their abilities to develop projects sensitive to the issues facing women in developing countries.

This course is designed for senior-level women with management responsibilities in agriculture, private voluntary organizations, rural development, nutrition and related organizations. Also, women with promotion potential to senior management are an appropriate audience.

CONTENT:

Course includes self-diagnosis of management and interpersonal skills, women in development issues, goal setting, power structures and roles as they relate to organizations, problem solving methodologies, building support networks, negotiation skills, strategy and tactics, and open system planning. Methods used are highly individualized and process-oriented. Participants analyze women in development case studies utilizing organization and management principles, as well as the UN International Women's Decade criteria. Videotape is used extensively for self assessment purposes. During the fourth week of the program participants are matched with an American counterpart with a job similar to the participant's. The objective is to see, at close range, effective women managing and using some of the skills and techniques covered in the course.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/6 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English, Spanish, French, and Portuguese

INSTITUTION CONTACT:

Name: David P. Winkelmann

Title: Program Specialist

Telephone: (202) 447-5150

U.S. Department of Agriculture
Institution

OICD/TID, Room 3532-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-30, CONTRACT ADMINISTRATION IN RURAL DEVELOPMENT

Maximum possible enrollment: 25
Cost: \$800.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

Participants learn to: (1) prepare and publicize invitation for bids and administer submission of bids and awarding of contracts; (2) administer contract compliance; (3) recognize situations leading to claims by the contractor; (4) protect the public interest by prompt and fair settlement of problems during performance; (5) negotiate equitable adjustments; (6) determine party responsibility with increased costs; (7) administer contract termination; (8) understand legal aspects of contracting.

This course is designed for personnel currently administering contracts or preparing to assume this responsibility. Applicable to all fields of agricultural administration.

CONTENT:

This course includes four major areas of contract administration: (1) contracting by formal advertising, including preparation, publicizing and submission of bids and awarding contracts; (2) government contract negotiations, including preparation of the solicitation package, solicitation and evaluation of proposals, contract types, requirements of cost and price analysis, planning for negotiations, and negotiation techniques; (3) government contract administration, including functions, skills and activities of procurement and contracting officers; (4) practical training on contracting with USDA agencies in the participants' field of specialization.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/4 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Donald Gehres
Title: Program Specialist
Telephone: (202) 447-3831

AGRICULTURAL COMMUNICATION

University of Illinois
College of Agriculture

Institution
Office of Resident Instruction
104 Mumford Hall

Address

Urbana, Illinois

61801

Zip Code

TITLE OF TRAINING PROGRAM: COMMUNICATIONS SKILLS WORKSHOP

Maximum possible enrollment: 30

Cost: \$900.00

OBJECTIVES AND INTENDED AUDIENCE:

This course seeks to develop skills in communication technical material to senior officers, peers, and lay audiences. Special attention is paid to the techniques of adapting indigenous resources to target audiences.

CONTENT:

Lecture/discussion and laboratory experiences will be employed. Focus is on learning and understanding the broad and fundamental aspects of communication and diffusive processes that will help students better use their technical training in their home countries.

FORMAT/FREQUENCY/DURATION

Offered annually in conjunction with short courses on technical topics/one week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: John W. Santas

Title: Training Officer

Telephone: (217) 333-3638

Texas A & M University

Institution

Texas Agricultural Extension Service

Address

College Station, Texas 77843

Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURAL COMMUNICATIONS SKILL DEVELOPMENT

Maximum possible enrollment: 20-30
Cost: \$100.00/participant

OBJECTIVES AND INTENDED AUDIENCE:

To provide basic and advanced communication skill development for professional personnel with general Extension or research-related communication support functions. Specific skill development will include communication support program development and management, using mass media with emphasis on print and broadcast, publication development with emphasis on editorial functions, use of graphics and photography in publications and other visual applications, with emphasis on skill development in graphic design, layout, photography and lab processing techniques.

CONTENT:

Techniques and practices in program and personnel management, use of mass media including radio, television, and print, with heavy emphasis on developing specific production techniques and writing skills; direct involvement in publication; editorial production techniques including editing, rewriting, author/editor relationships, editor/artist relationships, printing processes, equipment, warehousing, and distribution; direct experience in graphic design, publication design and layout, photography (including equipment and techniques for camera work and for film processing).

FORMAT/FREQUENCY/DURATION

Workshop format--lectures plus hands-on experiences supplemented by self-study/ team-taught by production professionals/ one or two-week duration possible

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. William E. Tedrick

Title: Editor/Head, Department of Agricultural Communications

19

Telephone: (713) 845-2211

27

U.S. Department of Agriculture
Institution

OICD/ITD, Room 3556-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: 418-6, WORKSITE EXPERIENCE PROGRAM: LIBRARY, COMPUTER SYSTEMS

Maximum possible enrollment: No ceiling
Cost: No charge

OBJECTIVES AND INTENDED AUDIENCE:

This Worksite Experience Program provides orientation and training in library operations and related automated computer systems through cooperative agreements with sponsoring educational institutions. It is designed to give foreign students benefit of TIS experience with both traditional library work and the latest in automated delivery systems for technical agricultural and related information.

It is intended primarily for student librarians and computer specialists.

CONTENT:

SEA/TIS employees can assist students in familiarization with any part of TIS operations desired including: (1) Library collection utilization, (2) loan and interlibrary loan, (3) reference and bibliographic services, (4) Agricultural Library Information Network, (5) data base production, (6) Food and Nutrition Information Center, and (7) automated information systems such as Agricultural On-Line Access Data Base (AGRICOLA), Current Awareness Literature Service (CALIS), Current Research Information System (CRIS), and Extension Management Information System (EMIS).

FORMAT/FREQUENCY/DURATION

On-the-job training/by request/not to exceed 90 days

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: David Winkelmann
Title: Program Specialist
Telephone: (202) 447-5150

AGRICULTURAL ECONOMICS

U.S. Department of Agriculture
Institution
OTD/ITD, Room 3532-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-22, ECONOMIC FORECASTING FOR AGRICULTURAL POLICYMAKING AND PLANNING
Maximum possible enrollment: 25
Cost: \$812.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

The primary objective is to provide knowledge and a set of tools to improve the (1) logical basis for making economic forecasts, (2) operation ability to use different forecasting techniques, and (3) evaluation of forecasting accuracy and procedures.

This course is designed for technicians and senior planners in ministries of developing countries. Most desirable if participants are involved in development planning.

CONTENT:

To prepare development plans, forecasts must be made for economic phenomena such as product/factor prices, commodity production, balance of payments, product demand, etc. This course assists development planners to improve the accuracy of these forecasts. This course emphasizes the role of economic theory and the scientific method in developing forecasts for any economic variable. Various forecasting techniques are described and their operational procedures developed in detail.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/5 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

Conducted in English with simultaneous translation in other languages available.

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English and Spanish

INSTITUTION CONTACT:

Name: Richard Edwards
Title: Program Specialist
Telephone: (202) 447-2613

AGRICULTURAL EDUCATION

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: CURRICULUM DEVELOPMENT IN AGRICULTURAL EDUCATION

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

To provide for a review and discussion of innovations in teaching techniques, curricular patterns, etc. as they relate to the high school vocational agriculture curriculum. More specifically, the student, upon completion of this course will have:

1. Identified and developed courses and/or units and/or lessons which are of value to him in his present teaching position.
2. Identified and discussed teaching techniques and/or aids of which he desires a greater knowledge.
3. Identified and reviewed audio-visual materials and teaching aids available to the high school vocational agriculture teacher.
4. Identified and discussed the new trends in vocational education in agriculture.

CONTENT:

Develop new and innovative program of studies in vocational agriculture. Special emphasis will be placed on reviewing new techniques and curricular patterns applicable to vocational agriculture. Considerable effort will be expended in curriculum development. Since this course is designed for experienced teachers, a considerable amount of committee work and group discussion will be conducted. Resource personnel will be used when appropriate.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon

Title: Dean, College of Agriculture

Telephone: (715) 425-3841

North Carolina State University

Institution

Dept. of Adult and Community College Education
Box 5504

Address

Raleigh, North Carolina 27650

Zip Code

TITLE OF TRAINING PROGRAM: REGIONAL SUMMER SCHOOL FOR EXTENSION AND ADULT EDUCATORS

Maximum possible enrollment: approximately 300

Cost: Variable, depending on number of credit hours of enrollment

OBJECTIVES AND INTENDED AUDIENCE:

The three-week special summer session offers an intensive learning experience for professional adult educators who wish to continue their education but cannot find time to become involved in prolonged study or who wish to supplement formal study with a sampling of courses and instructors from a variety of backgrounds.

Students are attracted from the southeast and from other parts of the country, representing many facets of adult education. Faculty and courses are selected from recommendations of practitioners in the field. The blend of students, faculty, and course offerings provide a stimulating environment for professional development.

CONTENT:

A variety of one and three-week courses are offered, with three to five courses in agricultural technology and ten to twelve courses in adult education and the behavioral sciences. Examples of recent course offerings include program evaluation, design of short courses, teaching disadvantaged adults, supervision, and principles of pest management.

FORMAT/FREQUENCY/DURATION

Each short course meets daily for three hours (more for laboratory courses)/one and three-week courses are offered annually

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: E.J. Boone

Title: Professor of Education and Department Head

Telephone: (919) 737-2707

Arkansas State University
Institution

Drawer YY
Address

State University, Arkansas 72467
Zip Code

TITLE OF TRAINING PROGRAM: ANALYSIS AND PRESCRIPTIVE PROGRAMMING FOR SPECIAL NEEDS
STUDENTS
Maximum possible enrollment: variable
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Training in techniques and procedures needed to identify and assess the nature and needs of disadvantaged and handicapped students prior to the development of individual courses of study and skill activity programs

CONTENT:

To develop techniques for identification of basic and related instructional needs in vocational education. Experience in designing individual study programs and skill activities appropriate to students' perceived occupational goals.

FORMAT/FREQUENCY/DURATION

Short course/one week/offered on demand

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. J.A. Hayles

Title: Associate Professor of Agricultural Education

Telephone: (501) 972-2085

Rutgers University
Institution
Cook College
P.O. Box 231
Address
New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: WORKSHOP IN MATERIALS AND METHODS OF INFORMATION TRANSFER
Maximum possible enrollment: 30
Cost: \$5,850.00 for the complete program

OBJECTIVES AND INTENDED AUDIENCE:

Within an environmental context, this program provides participants from underdeveloped countries with skills and knowledge designed to improve their ability to disseminate information and to assess its application to local situations.

CONTENT:

- 1) Fundamental concepts of environmental science educational planning
- 2) Fundamental methods of information dissemination
- 3) Related field experiences and teaching methodologies
- 4) Evaluation techniques

FORMAT/FREQUENCY/DURATION

This one-week short courses uses lectures, discussion, and field work

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Arthur W. Edwards, Chairman

Ned Lipman, Assistant Dean

Title: Department of Education

Office of Resident Instructor

Telephone: (201) 932-9164

(201) 932-9271

AGRICULTURAL ENGINEERING

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: FARM UTILITIES - ENVIRONMENTAL USE

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

This course, intended for extension workers, teachers, and resource managers, seeks to:

1. establish the need for an "action now" program in dealing with water and energy resources.
2. investigate the status of agencies and their respective roles as they are currently active in coping with related problems.
3. develop an understanding of the engineering-related techniques for monitoring and coping with the problem.

CONTENT:

Problems of water supply, sewage disposal, heating, ventilating, and moisture control. Considerations in selection and analysis of suitable equipment, materials, and methods of operation.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon
Title: Dean, College of Agriculture
Telephone: (715) 425-3841

AGRICULTURAL MARKETING

U.S. Department of Agriculture
Institution
OICD, TID, Room 3532-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 150-5, DEVELOPING MARKETS FOR AGRICULTURAL PRODUCTS

Maximum possible enrollment: 25
Cost: \$2000.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to provide training in the marketing of agricultural commodities from producer to consumer. Instruction is geared to meet the needs of developing countries in improving food distribution systems.

It is intended for academic participants interested in international and domestic marketing procedures and practices and staff of marketing institutions having responsibility for essential domestic or international marketing functions.

CONTENT:

This course includes the following: (1) role of marketing in development and in human nutrition--participants also discuss their local marketing systems; (2) establishment and improvement of a marketing infrastructure; (3) mechanics of international trade such as making of feasibility studies, methods of direct and indirect exporting, shipping documentation, alternative financial arrangements, packaging, insurance, and other steps in the process; (4) techniques of conducting market analysis and evaluations including the economics of establishing grading systems and other agencies for improving trade; (5) field trips to small, well-managed marketing projects and enterprises.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/11 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English and Spanish

INSTITUTION CONTACT:

Name: Richard Edwards

Title: Program Specialist

Telephone: (202) 447-2613

Colorado State University
Institution

Address

Ft. Collins, Colorado 80523
Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURAL MARKETING

Maximum possible enrollment: 20-30
Cost: supplied on demand

OBJECTIVES AND INTENDED AUDIENCE:

The course is designed for international students, to help them understand the principles and problems of marketing agricultural systems. It is oriented to problem solving, and makes use of field trips and case studies as well as formal lectures.

CONTENT:

Principles and problems of agricultural marketing systems

FORMAT/FREQUENCY/DURATION

Short course/4-6 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Forest Walters

Title: Professor of Economics

Telephone: (303) 491-5245

University of Massachusetts
Institution

Address

Amherst, Massachusetts 01003
Zip Code

TITLE OF TRAINING PROGRAM: BASIC PRINCIPLES OF MARKETING AGRICULTURAL PRODUCTS

Maximum possible enrollment: Variable
Cost: supplied on demand

OBJECTIVES AND INTENDED AUDIENCE:

For students with no previous background in economics.

CONTENT:

The role of marketing in the economy and social structure of a country. The planning, distribution, policy and promotion of goods and services.

FORMAT/FREQUENCY/DURATION

6 weeks/ lectures and seminar approach

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Gilbert E. Mottla

Title: Director, International Agricultural Programs

Telephone: (413) 545-1562

California State Polytechnic University

Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California

91768

Zip Code

TITLE OF TRAINING PROGRAM: FOOD WHOLESALING & RETAILING

Maximum possible enrollment: 35 (minimum of 20)

Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To apprise participants of the processes and practices involved in bringing food and fiber from the farm to the consumer. This course would allow participants to compare our practices in handling, preparing, distributing, and marketing farm products with theirs, and would allow them to adapt and adopt whatever ideas and functions would best fit their home situations.

CONTENT:

1) Harvesting perishable products for fresh market; 2) point of production packaging; 3) transportation; 4) quality control of fresh farm products; 5) distributive agencies, including brokers, jobbers, wholesalers (corporate and cooperative), retailers (independents, chains, specialty and convenience stores); 6) merchandising practices (store layout, display, product mix); 7) grocery department operations; 8) perishable department operations (meat, produce, dairy, delicatessen, etc.); 9) general merchandise departmental operations; 10) store operations: costs, analysis, employee scheduling; 11) personnel development and motivation.

FORMAT/FREQUENCY/DURATION

1 week/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English and Japanese

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Japanese or English

INSTITUTION CONTACT:

Name: Milo G. Lacy

Title: Professor

Telephone: (714) 598-4121

AGRICULTURAL MECHANIZATION

Institute of Applied Agriculture
Institution

Dairy Science Annex, Room 2303
Address

University of Maryland
College Park, Maryland 20742
Zip Code

TITLE OF TRAINING PROGRAM: SEED FARM MANAGER AND FARM MACHINERY OPERATOR TRAINING
(A program designed for the Bangladesh Agriculture Development Corporation)
Maximum possible enrollment: 10
Cost: \$3000.00 per student

OBJECTIVES AND INTENDED AUDIENCE:

The program is designed to provide seed farm managers and farm machinery operators with a comprehensive training program in farm tractor, machinery, and equipment operation, maintenance, and management.

CONTENT:

The program has a strong laboratory orientation. Areas of instruction include: identification, use, and care of tools and hardware; selection and use of reference and service manuals; safety; introduction and overview of machinery and equipment currently manufactured; tractors; engines; fuels and lubricants; tractor systems: types, operating principles, servicing, maintenance; tractor chassis and power train maintenance; equipment selection, operation, maintenance, and management; machinery and equipment management; supervision and management of labor; annual cropping management; basic budgeting and record keeping.

FORMAT/FREQUENCY/DURATION

A 16-week program with instructional time approximating six hours per day, five days per week for a total of 480 hours of formal instruction and training.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No Not in its current format

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Ronald J. Seibel
Title: Director, Institute of Applied Agriculture
Telephone: (301) 454-3938

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM: FARM TRACTOR MACHINERY

Maximum possible enrollment: 20
Cost: \$95.00

OBJECTIVES AND INTENDED AUDIENCE:

To acquaint participants with all types of farm tractors and harvesting equipment.

CONTENT:

Participants study types of farm tractors and harvesting equipment: their selection, operation, and preventive maintenance. Practical sequential field work with both tractors and field equipment is stressed, with emphasis on safety.

FORMAT/FREQUENCY/DURATION

50 hours; Lectures/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

Tuskegee Institute
Institution

Address

Tuskegee Institute, Alabama 36088
Zip Code

TITLE OF TRAINING PROGRAM: MID-LEVEL TECHNICIANS' TRAINING COURSE

Maximum possible enrollment: 20
Cost: \$7500.00 per year

OBJECTIVES AND INTENDED AUDIENCE:

This training course is designed to provide theoretical training and practical experience for mid-level technicians in agriculture and related areas.

CONTENT:

Courses can be structured to include any of the following subject areas: welding, air frame and power maintenance; printing; meat processing; carpentry and brick masonry; community development; agriculture and plumbing and electricity.

FORMAT/FREQUENCY/DURATION

The course is flexible and can be tailored to meet the needs of the requesting agency. A one-year training program is recommended.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. T. J. Pinnock

Title: Director, Human Resources Development Center

Telephone: (205) 727-8341

Western Illinois University
Institution
College of Applied Sciences
Knoblauch Hall
Address

Macomb, Illinois 61455
Zip Code

TITLE OF TRAINING PROGRAM: AGRO-MECHANICS

Maximum possible enrollment: Enrollment and cost would vary
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

At the present time, there are 13 Tanzanians enrolled for an 8-month training period.

Numerous areas of farm mechanics are being taught. Such courses could be made available for other similar groups.

CONTENT:

FORMAT/FREQUENCY/DURATION

Intensive workshop/duration variable/offered on demand

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Rodney J. Fink

Title: Dean, College of Applied Sciences

Telephone: (309) 298-1640

AGRICULTURAL POLICY

U.S. Department of Agriculture
Institution
OICD/ITD, Room 3532-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-1, AGRICULTURAL POLICY SEMINAR

Maximum possible enrollment: 25
Cost: \$850.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

This seminar is designed to help agricultural leaders of developing countries identify national agricultural goals, resolve goal conflicts, select appropriate analytical techniques, evaluate major issues, and develop effective agricultural policies and programs. The seminar focuses on substantive policy matters and on the processes of policy determination and implementation.

It is designed for senior level agricultural policy makers such as Permanent Secretaries of Agriculture, Assistant Secretaries of Agriculture, Senior Agricultural Officers, Deputy Chief Agriculture Officers, and Senior Legislators with agricultural policy concerns.

CONTENT:

The seminar topics include: (1) the role of agricultural policy decisions in social and economic development; (2) the processes by which agricultural policies are formulated and implemented; (3) discussion of major policy issues such as food and population issues, marketing issues, land reform, resource conservation policies, price policy for agricultural commodities, tax policy, import-export policies, development and diffusion of new technology, and other issues raised by participants; (4) the interdependence among selected policy issues; and (5) field trip to allow participants to observe how national agricultural policy decisions are implemented at the local level.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/4 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English and Spanish

INSTITUTION CONTACT:

Name: Richard Edwards

Title: Program Specialist

Telephone: (202) 447-2613

U.S. Department of Agriculture
Institution
OICD/ITD, Room 3532-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 140-9, SMALL FARMER CREDIT POLICY SEMINAR

Maximum possible enrollment: 25
Cost: \$650.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

The seminar is designed to increase the participant's understanding of the role and impact of credit programs for small farmers on economic development. Emphasis is placed on identifying the credit needs of small farmers, the factors affecting credit utilization, the formulation of policies, and the determination of major policy alternatives and the trade-offs that exist among them.

It is intended for senior credit officials from government and quasi-governmental agencies involved in national agricultural credit programs.

CONTENT:

Topics include: (1) the role small farmer credit programs can play in the development of the agricultural sector; (2) the process of agricultural policy formulation; (3) formation of credit policy for small farmers, including definition of target groups, identification of credit needs, development of alternative policies, and evaluation of alternatives; (4) discussion of major credit policy issues including supervision, interest rates, distribution channels, savings and attraction of funds, and other issues raised by participants; (5) field trips to federal, state, and local offices of major U.S. agricultural credit institutions such as Farmers Home Administration, Farm Credit Administration, Production Credit Association, and Bank for Cooperatives, to observe how credit policy is implemented.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/4 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

Conducted in English with simultaneous translation in other languages available.

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English, Spanish, and French

INSTITUTION CONTACT:

Name: Donald Gehres
Title: Program Specialist
Telephone: (202) 447-3831

AGRICULTURAL RESEARCH METHODOLOGY

U.S. Department of Agriculture
Institution
OICD/ITD, Room 3541-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 110-17, AGRICULTURAL RESEARCH METHODOLOGY

Maximum possible enrollment: 25
Cost: \$1150.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

Participants will increase their ability to plan and conduct research, giving consideration to potential users of research results and their needs; learn research methodology including data collection and analysis with emphasis on applied research; develop an understanding of linkages between research and extension to utilize results in such a way to influence action; and observe field and laboratory procedures practiced by experiment station scientists.

This course is intended for individuals who are or will be actively involved in designing and carrying out agricultural research programs. This includes research related to agronomy, rural sociology, economics, forestry, plant pathology, horticulture, and animal science. The course is designed for intermediate level, not advanced students.

CONTENT:

General analytical methods/statistical techniques (introduction to statistics; probability, binomial, multinomial, hypergeometric and poisson probability functions; continuous random variables and the normal distribution; sampling, and experimental design estimating population parameters; test of hypotheses; one-way, two-way, and factorial analyses of variance; covariance analysis correlation regression procedure and lattice experiments). Specific applications to various subject areas, with approximately half of the time devoted to practical "hands-on" field experience.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/7 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English and Spanish

INSTITUTION CONTACT:

Name: A.J. Dye
Title: Program Specialist

Telephone: (202) 447-2806

University of Missouri, Columbia
Institution

Agriculture 2-69
Address

Columbia, Missouri 65211
Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURE RESEARCH METHODOLOGY: PLANNING, CONDUCTING,
AND EVALUATION OF RESEARCH IN THE FIELD

Maximum possible enrollment: 12
Cost: \$2000.00 (tuition, room and board)

OBJECTIVES AND INTENDED AUDIENCE:

1. To train students to understand and interpret research results through study of statistics and experimental techniques.
2. To develop an understanding of philosophy and principles of research.
3. To train students to help plan, conduct, and evaluate research.

Intended Audience: individuals from developing countries who seek understanding and interpretation of research results.

CONTENT:

1. Half of each day is spent in classes studying statistics.
2. The rest of each day is spent visiting research projects and participating in field trips.

Overall course content includes applied research procedures and experimental design techniques in both the biological and social sciences as applicable to agriculture.

FORMAT/FREQUENCY/DURATION

7 weeks - 5 days/week in classes, workshops, and field trips /annual (in summer)

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dean Wendell McKinsey, Assistant Dean

Title: International Affairs
 College of Agriculture

Telephone: (314) 882-3846

64

Institute of Agriculture and Natural Resources
College of Agriculture
Institution
University of Nebraska
Address
Lincoln, Nebraska 68583
Zip Code

TITLE OF TRAINING PROGRAM: SCIENTIFIC EXCHANGE
Maximum possible enrollment: no limit
Cost: varies with program and duration

OBJECTIVES AND INTENDED AUDIENCE:

To provide scientists of other countries and of the Institute of Agriculture and Natural Resources an opportunity to work together in an educational and research setting and to exchange techniques and technical knowledge in areas of mutual interests. Furthering the cause of agricultural research through scientific exchange works to the benefit of both parties and their respective countries.

CONTENT:

Content will depend on subject matter area of the exchange and the specific interests of the exchange scientists involved.

FORMAT/FREQUENCY/DURATION

From one week to one year in length.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

Language of host country

INSTITUTION CONTACT:

Name: Dr. R.W. Kleis
Title: Dear and Director of International Programs, IANR
Telephone: (402) 472-2758 57

65

AGRONOMY

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM: CROP SYSTEMS MANAGEMENT

Maximum possible enrollment: 25
Cost: \$95.00

OBJECTIVES AND INTENDED AUDIENCE:

Farmers and others with interest in improved, cost-effective crop systems.

CONTENT:

The format has been designed to permit students to manage crops from seed to silo. The program will include planning a crop system to provide required feed for dairy or beef herd, seed preparation, plowing, disking, determining necessary plant populations, seed calibration, planting, fertilizing, harvesting and filling a silo.

FORMAT/FREQUENCY/DURATION

50 hours; Lectures/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

59

67

University of Arkansas
Institution

Address

Fayetteville, Arkansas 72701
Zip Code

TITLE OF TRAINING PROGRAM: RICE PRODUCTION
Maximum possible enrollment: varies
Cost: supplied upon demand

OBJECTIVES AND INTENDED AUDIENCE:
To acquaint agriculture professionals with current practices in rice production.

CONTENT:

Specific content developed on demand and tailored to participants' needs.

FORMAT/FREQUENCY/DURATION

On demand/2 - 4 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Glenn W. Hardy, Dean
Title: College of Agriculture and Home Economics
Telephone: (501) 575-2252

University of Illinois
Institution
College of Agriculture
Office of Resident Instruction
Address
104 Mumford Hall
Urbana, Illinois 61801
Zip Code

TITLE OF TRAINING PROGRAM: TECHNICAL AND ECONOMIC ASPECTS OF SOYBEAN PRODUCTION

Maximum possible enrollment: 30
Cost: \$6,620.00 for the complete program

OBJECTIVES AND INTENDED AUDIENCE:

To acquaint participants with (1) technical and economic principles and practices of soybean production through a study of the research, educational, and regulatory functions supportive of a soybean industry, and (2) soybeans as a means of alleviating protein-calorie deficiencies.

CONTENT:

Classes and other instructional activities will be conducted for five days each week. There will be a combination of types of instruction with emphasis on opportunity for participants to discuss problems in soybean production encountered in their work.

Field trips in midwestern and southern states will be made to observe various aspects of soybean production, technical and economic problems, and research and extension programs which attempt to alleviate these problems. Visits will also be made to marketing and processing facilities, and to research, extension, and regulatory organizations.

One week will be devoted to techniques of disseminating agricultural information.

FORMAT/FREQUENCY/DURATION

The course is offered annually and last fourteen weeks.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English and Spanish (condensed version using indigenous collaborators)

INSTITUTION CONTACT:

Name: John W. Santas

Title: Training Officer

Telephone: (217) 333-3638

ANIMAL SCIENCE

Institute of Agriculture and Natural Resources
College of Agriculture
Institution

University of Nebraska
Address

Lincoln, Nebraska 68583
Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURE (ANIMAL SCIENCE)

Maximum possible enrollment: 50
Cost: Sponsored

OBJECTIVES AND INTENDED AUDIENCE:

This seminar is intended to train Japanese students in the area of Animal Science, to increase their technical competence in the specific animal science area of their choice, to give them "hands-on" experience in American livestock production facilities, and to give them exposure to an American Agriculture Education Institution.

CONTENT:

This seminar consists of one year's experience on a Nebraska farm doing the practical tasks of caring for livestock and working with a Nebraska livestock producer, followed by 12 weeks of classroom work taught by appropriate Animal Science staff members from the Institute of Agriculture.

FORMAT/FREQUENCY/DURATION

Offered annually, with one year's experience on a farm and 12 weeks of classroom work.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Charles W.F. Havlicek
Title: Program Coordinator, Conferences and Institutes
 Division of Continuing Studies
Telephone: (402) 472-2852

75

State University of New York, Farmingdale
Institution

Melville Road

Address

Farmingdale, New York 11735

Zip Code

TITLE OF TRAINING PROGRAM:

ANIMAL CARE AND MAINTENANCE WORKSHOP

Maximum possible enrollment:

25

Cost:

\$70.00

OBJECTIVES AND INTENDED AUDIENCE:

Farmers, paraveterinary workers, pet owners

CONTENT:

Fundamentals of larger animal and pet care and maintenance. Management, nutrition, disease, handling, and assisting in treatment will be included.

Large Animal Care

(horses, cows, pigs, and sheep)

Anatomy/conformation, normal body conditions, abnormal body conditions, disease prevention and treatment, parasites, external/internal fecal analysis, breeding, feeding and administering therapeutics.

Dog and Cat Care

Normal and abnormal body conditions, disease prevention and treatment, breeding, handling and restraining, general maintenance, fecal analysis, parasites, injections, and basic obedience training.

FORMAT/FREQUENCY/DURATION

50 hours; Lectures/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
 Continuing Education

Telephone: (516) 420-2687

California State Polytechnic University
Institution
School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: ARTIFICIAL INSEMINATION & SEMEN EVALUATION

Maximum possible enrollment: 24
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

- 1) To train field technicians for processing and using frozen semen in small ruminants
- 2) To train inseminators for sheep and goats
- 3) To train persons for pregnancy diagnosis of small ruminant females

CONTENT:

- 1) Identification of males to be used for A.I.
- 2) Training of males to function using the artificial vagina
- 3) Collection, processing, dilution, and freezing procedures for small ruminant semen
- 4) Semen evaluation methods
- 5) Estrus detection
- 6) Insemination techniques
- 7) Pregnancy diagnostic tools and methods
- 8) Reproductive problems including seasonal variations and disease

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

French and Spanish

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Edward A. Nelson
Title: Professor of Animal Science
Telephone: (714) 598-4129

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: ARTIFICIAL INSEMINATION OF FARM ANIMALS

Maximum possible enrollment: 25
Cost: \$375.00

OBJECTIVES AND INTENDED AUDIENCE:

The objective of the course is to provide the student with a basic understanding of the principles of artificial insemination of farm animals, and with instruction in the mechanics of artificial insemination adequate to meet the minimum standards of the National Association of Animal Breeders for the training of artificial insemination technicians and/or herdsman-inseminators.

Intended for extension workers, teachers, and herdsmen.

CONTENT:

An in-depth study of the principles and mechanics of artificial insemination of farm animals.

Lectures supplemented by laboratory exercises to teach the principles of artificial insemination and a minimum of 12 hours of laboratory work using live animals to teach the mechanics of proper artificial insemination using animals of the various species.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon

Title: Dean, College of Agriculture

Telephone: (715) 425-3481

University of Vermont
Institution
College of Agriculture
Morrill Hall
Address

Burlington, Vermont 05405
Zip Code

TITLE OF TRAINING PROGRAM: ANIMAL NUTRITION

Maximum possible enrollment: variable
Cost: supplied upon request

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in animal nutrition.

CONTENT:

Currently being revised. Information available upon request.

FORMAT/FREQUENCY/DURATION

Flexible/3 - 14 days

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

Spanish

INSTITUTION CONTACT:

Name: William H. Kelly, Associate Dean

Title: Resident Instruction

Telephone: (802) 656-2981

California State Polytechnic University
Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California

91768

Zip Code

TITLE OF TRAINING PROGRAM: PLANT AND ANIMAL RESIDUES FOR USE AS LIVESTOCK FEED

Maximum possible enrollment: 50
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

The objective of this short course will be to introduce producers, extension personnel, and nutritionists to the practical aspects of recycling plant and animal wastes. Animal and plant residues have been successfully ensiled. Feeding and digestibility studies indicate ensiling to be an energy-conserving process which complements the nutritive value of the ensiled materials as well as improving their palatability. Many high-moisture plant residues are readily available in the tropics (e.g. banana, cassava, plantain), and unless these are preserved, they readily deteriorate under high moisture and temperature conditions. Through ensiling, combinations of plant and animal residues of varying moisture levels can be preserved, thus retaining their nutrient value, and held for the dry season when there is an extreme shortage of animal feedstuffs.

CONTENT:

Availability of plant and animal wastes; nutritive value of plant and animal wastes; handling and processing methods; animal performance and economic aspects of feeding plant and animal residues; health and safety aspects

FORMAT/FREQUENCY/DURATION

one to two weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English--Spanish translation available

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Tom W. Westing, Ph.D

Title: Professor, Animal Science

Telephone: (714)598-4134 or 598-4151

80

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM:

LIVESTOCK PRODUCTION: BEEF & DAIRY

Maximum possible enrollment:

25

Cost:

\$95.00

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to permit individuals to gain experience with dairy and beef cattle.

CONTENT:

To gain experience with dairy and beef cattle, including lactation, reproduction, nutrition, identification, and handling. Group discussion will be concerned with practical health and feeding problems, foot trimming, grooming, milking, and pertinent machinery operation.

FORMAT/FREQUENCY/DURATION

50 hours; Lectures/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

82

University of Vermont
Institution
College of Agriculture
Morrill Hall
Address
Burlington, Vermont 05405
Zip Code

TITLE OF TRAINING PROGRAM: LIVESTOCK MANAGEMENT (BEEF)

Maximum possible enrollment: variable
Cost: supplied upon request

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in livestock management (beef).

CONTENT:

Currently being revised. Information available upon request.

FORMAT/FREQUENCY/DURATION

Flexible/3 - 14 days

LANGUAGES OF INSTRUCTION IN U.S.:

Spanish - fluent

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: William H. Kelly, Associate Dean

Title: Resident Instruction

Telephone: (802) 656-2981

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: SHEEP PRODUCTION

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

The course is to develop the student's understanding of the application of the principles of nutrition, physiology, genetics, housing and economics to the operation of the sheep enterprise; to acquaint the student with the various management practices of the sheep industry; and to develop an understanding of wool grading systems.

CONTENT:

Selection, breeding, feeding, housing and general management of sheep. Wool and wool grades.

Lectures, discussions, and laboratories to acquaint the student with practical skills, along with field trips to observe various systems of sheep production.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon

Title: Dean, College of Agriculture

Telephone: (715) 425-3481

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM:

LIVESTOCK PRODUCTION: SHEEP & SWINE

Maximum possible enrollment:

30

Cost:

\$95.00

OBJECTIVES AND INTENDED AUDIENCE:

Farmers, livestock owners, production personnel

CONTENT:

To explore sheep and swine enterprises, with attention paid to reproduction, nutrition, disease control, identification, and handling.

FORMAT/FREQUENCY/DURATION

50 hours; Lecture/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

APICULTURE

Rutgers University
Institution
Cook College
P.O. Box 231
Address
New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: MANAGING BEES FOR CROP POLLINATION AND HONEY PRODUCTION

Maximum possible enrollment: 25
Cost: \$15,000.00

OBJECTIVES AND INTENDED AUDIENCE:

The primary purpose of the course is the facilitation of crop production through better pollinator management. The secondary purpose is to increase production of honey and wax. The course will not take the high technology approach prevalent in the U.S.A. Heavy emphasis will be placed on bee behavior, bee diseases, and pollination ecology. Both honey bees and wild (native) bees will be discussed.

The course is intended for aspiring bee keepers and growers alike. No prior experience is necessary.

CONTENT:

1. Biology of honeybees
2. Beekeeping equipment, construction & maintenance
3. Control of pests attacking bees
4. Diagnosing & controlling bee diseases
5. Protecting bees from pesticides
6. Increasing colonies & rearing queens
7. Managing honeybees for pollination
8. Managing bees for honey production
9. Harvesting & processing honey & wax
10. Evaluating the nectar yields of crops
11. Evaluating the pollination requirements of crops
12. Recruitment of pollinators to flowers
13. Identifying native pollinators
14. Biology of native pollinators
15. Managing native pollinators
16. Managing alkali bees
17. Managing leafcutter bees
18. Bees as pests

FORMAT/FREQUENCY/DURATION

½ lecture and ½ field and laboratory experience
2 weeks in June and/or July (in USA); could be given in winter (Oct.-April) in suitable warm countries

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Possible Spanish (would need to brush up)

INSTITUTION CONTACT:

Name: Radclyffe B. Roberts

Title: Assistant Professor

Telephone: (201) 932-9751

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM:

BEEKEEPING: BASIC STEPS IN DEVELOPMENT OF AN APIARY

Maximum possible enrollment:

20

Cost:

\$70.00

OBJECTIVES AND INTENDED AUDIENCE:

Workshop format is designed to focus on the basic steps in the development of an apiary.

CONTENT:

The course will include building of hives, care and management, disease control, honey production, and related topics.

FORMAT/FREQUENCY/DURATION

4 sessions of four hours each; can be extended as needs arise. Total of at least 16 hours lectures/field trips.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS?

X Yes

 No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

AQUACULTURE

Western Kentucky University
Institution

Address

Bowling Green, Kentucky 42101
Zip Code

TITLE OF TRAINING PROGRAM: LARVAL FISH WORKSHOP

Maximum possible enrollment: 25
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

Objectives of the program will be to:

1. describe the state of the art of larval fishes as regards sampling procedures, methodologies, and energy and environmental planning and legislation;
2. identify biological parameters of larval fishes such as development, distribution, taxonomy, growth features, food habits and other ecological features;
3. provide an avenue for exchange of ideas and discussion, and provide the impetus for the standardization of techniques.

CONTENT:

The program is designed primarily for biologists working with larval fish or fishes and affiliated with federal or local agencies, energy or environmental groups, universities and private concerns.

The program will include presentations of papers representing larval fish projects presently underway locally, lecture presentations of techniques regarding taxonomic studies and sampling, and a review of updated larval fish publications. A formal workshop including laboratory identifications of representative larval forms will be conducted to reinforce determinations of taxonomic features and the use and development of taxonomic keys.

FORMAT/FREQUENCY/DURATION

Half (½) day lecture or paper presentation and half (½) day laboratory/once per summer/one week

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. E.E. Hegen

Title: Director, International Projects

Telephone: (502) 745-5651

COMMUNITY DEVELOPMENT

New Mexico State University
Institution
Cooperative Extension Service
Box 3 AE
Address

Las Cruces, New Mexico 88003
Zip Code

TITLE OF TRAINING PROGRAM: COMMUNITY AND RURAL DEVELOPMENT

Maximum possible enrollment: 50
Cost: To be negotiated

OBJECTIVES AND INTENDED AUDIENCE:

This workshop utilizes a citizens' center community rural development process with emphasis on total resource development. This is a comprehensive citizen-involved process that includes techniques for planning, implementation and evaluation.

Intended audiences: agency professionals and local leaders

CONTENT:

Multi-media participative workshop methodology will be utilized. Participants will experience "how to do it" techniques for their usefulness and adaptation for their particular program area.

FORMAT/FREQUENCY/DURATION

This is a five-day workshop, each day divided into two 3-hour sessions, with a different theme each day.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Keith Austin

Title: State Program Leader/Community Development

Telephone: (505) 646-1541

Cornell University
Agriculture & Life Sciences
Institution

192 Roberts Hall
Address

Ithaca, New York 14853
Zip Code

TITLE OF TRAINING PROGRAM: KEYS TO AGRICULTURAL DEVELOPMENT AT THE LOCAL LEVEL

Maximum possible enrollment: 20
Cost: \$400 training fee

OBJECTIVES AND INTENDED AUDIENCE:

1. To identify general factors, or keys, associated with the creation of a dynamic agricultural sector—one that is able to adjust to various environments, technical and socio-economic changes.
2. To examine the manner in which these factors are achieved in the American agricultural sector through:
 - a. identifying concepts and principles useful for analyzing the factor(s) being considered
 - b. interacting with the users and providers of these services to apply and refine these analytical concepts.
3. To consider the relevance and applicability of critical factors observed in American agriculture for the situation of your home country.

CONTENT:

Classroom discussions of development keys and an opportunity to visit with various persons and organizations that operate these keys: farmers and farm families, researchers and extension agents, rural bankers, agribusinessmen and others.

Audience: Primarily UIAD and FAO sponsored graduate students from LDC.

FORMAT/FREQUENCY/DURATION

2 weeks during summer, full-time, intensive involvement

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes x No

If yes, in what languages?

INSTITUTION CONTACT:

Name: L.W. Zuidema

Title: Assistant Director of International Agriculture, College of Agriculture and Life Sciences

Telephone: (607) 256-3037

CPA

Washington State University
Institution

College of Agriculture, Agricultural Science II
Address

Pullman, Washington 99164
Zip Code

TITLE OF TRAINING PROGRAM: KEYS SEMINAR: AGRICULTURAL DEVELOPMENT

Maximum possible enrollment: 25
Cost: About \$500.00 plus room and board and transportation to seminar

OBJECTIVES AND INTENDED AUDIENCE:

1. To provide an opportunity to visit, live and work in a rural community.
2. To offer a practical field seminar in analyzing and understanding the process of agricultural development.
3. To acquaint participants with key factors in agricultural development.
4. To acquaint participants with concepts and guidelines useful in understanding how these factors interact in the developmental process.
5. To learn analytical skills that can be applied to social and economic situations in rural communities.
6. To determine the extent to which the kind of analytical framework presented during the seminar can be beneficial to the participant working in his or her home country.

CONTENT:

The intent of the seminar is to get the students out of the classroom and into a rural community where they can see how the community functions and learn firsthand about factors that affect agricultural development. The seminar is not expected to make social scientists, agricultural development specialists, nor analysts out of students who come to the seminar with diverse interests and backgrounds. It is hoped that these students who have a common interest in agriculture will gain a broad viewpoint about agricultural development that goes beyond their own technical field. From this experience the students should see that agriculture is a part of the total community and they should gain some ideas about agricultural development that are transferable to their own country.

FORMAT/FREQUENCY/DURATION

Intensive workshop - 2 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Martin V. Waananen

Title: Assistant Director of Resident Instruction

Telephone: (509) 335-9536

Western Illinois University

Institution

College of Applied Sciences

Knoblauch Hall

Address

Macomb, Illinois

61455

Zip Code

TITLE OF TRAINING PROGRAM: KEYS TO AGRICULTURAL DEVELOPMENT AT THE LOCAL LEVEL

Maximum possible enrollment: 25

Cost: \$1473.00

OBJECTIVES AND INTENDED AUDIENCE:

Audience: Participants studying any aspects of agriculture or rural development.

Objectives: These seminars are designed to acquaint participants with selected factors influencing agricultural development and the concepts and guidelines useful in understanding how they interact in developing countries.

CONTENT:

The seminar offers a unique learning experience in analyzing and understanding the process of agricultural development through visits with local community and agricultural leaders, farm organizations, markets, schools, and agri-business firms. Participants also have opportunity to discuss the relevance of the keys to their home countries, and means of adapting them to different cultures.

Designed primarily for participants enrolled in on-going programs in the U.S.

FORMAT/FREQUENCY/DURATION

Workshop/annual/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Rodney J. Fink

Title: Dean, College of Applied Sciences

Telephone: (309) 298-1640

New Mexico State University
Institution
Cooperative Extension Service
Box 3 AE
Address
Las Cruces, New Mexico 88003
Zip Code

TITLE OF TRAINING PROGRAM: GROUP-O-TUNITY LEADERSHIP WORKSHOPS

Maximum possible enrollment: 50
Cost: To be negotiated

OBJECTIVES AND INTENDED AUDIENCE:

This workshop teaches participating "how to do it" techniques for working with groups, making group decisions, organizing for action, and getting public participation.

Intended audiences: lay and professional leaders

CONTENT:

Multi-media participative workshop methodology will be utilized. Participants will experience "how to do it" techniques and will utilize techniques in simulated situations. They will evaluate the techniques for their usefulness and adaptation for their particular program area.

FORMAT/FREQUENCY/DURATION

This is a five-day workshop, each day divided into two 3-hour sessions, with a different theme each day.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Keith Austin

Title: State Program Leader/Community Development

Telephone: (505) 646-1451

Texas A&M University
Institution

Texas Agricultural Extension Service.
Address

College Station, Texas 77843
Zip Code

TITLE OF TRAINING PROGRAM: LEADER IDENTIFICATION AND TRAINING FOR GRASSROOTS
PROGRAM DEVELOPMENT
Maximum possible enrollment: 40
Cost: \$250.00

OBJECTIVES AND INTENDED AUDIENCE:

This is a one-week intensive workshop for professionals and paraprofessionals designed to provide instruction on the concepts and principles of lay leader involvement in local program development and to provide skill training in the techniques of leader involvement in local program development and to provide skill training in the techniques of leader identification, planning and conducting effective committee meetings, using the scientific problem-solving process, and developing a systematic plan of action for grassroots development projects.

CONTENT:

The workshop methodology will be used to provide "hands-on" exercises in identifying local leadership, involving the local leadership in a meaningful planning process, and in designing a specific community development process that will convert community needs and problems into community projects. The workshop sessions would be reinforced with films, slide/tape presentations and illustrated discussions on such topics as listening, motivation, delegation, leadership style, the problem-solving process, and developing community action.

FORMAT/FREQUENCY/DURATION

A one-week intensive workshop format will require eight three-hour sessions. A less intensive format would require (a) two three-hour sessions per week for four weeks or (b) one three-hour session per week for eight weeks.

LANGUAGES OF INSTRUCTION IN U.S.:

English and/or Spanish

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English and/or Spanish

INSTITUTION CONTACT:

Name: Dr. James I. Mallett

Title: State Community Resource Development Program Leader

Telephone: (713) 845-4445

104

DAIRY SCIENCE

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: DAIRY REPRODUCTION AND BREEDING WORKSHOP

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

The course is designed primarily to provide students with the current recommended practices for the reproductive and breeding aspects of dairy herd management. The course will provide references and material from which teachers may draw in preparing courses to teach, and from which a future dairyman or extension specialist may prepare a breeding program for his herd. This is a summer workshop designed primarily for agricultural teachers and other individuals desiring a very practical course concerning factors affecting the reproductive status of dairy cattle and sire selection for maximum genetic progress.

CONTENT:

A study of factors affecting reproductive status of dairy cattle and applied principles of dairy breeding programs. Emphasis will be placed on recommended methods of estrus detection and record keeping, factors affecting pregnancy rates, reproductive disorders, and sire selection.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon
Title: Dean, College of Agriculture
Telephone: (715) 425-3481

California State Polytechnic University

Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California

91768

Zip Code

TITLE OF TRAINING PROGRAM: DAIRY GOAT PRODUCTION AND MARKETING

Maximum possible enrollment: 40
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To teach improved management practices for dairy goats including feeding and nutrition, disease prevention and control, and physical facilities care and planning.

To emphasize the use of selection tools, including the use of DHIA records of production in herd improvement.

To teach marketing principles relating to the sale or use of dairy goat products.

CONTENT:

- 1) Facility planning, construction and maintenance
- 2) Feeds and feeding for dairy production in goats
- 3) Production measurements
- 4) Selection and culling of the dairy goat herd
- 5) Disease prevention, treatment, and control
- 6) Production of and maintenance of quality products
- 7) Marketing products and surplus animals
- 8) Business practices and record keeping

FORMAT/FREQUENCY/DURATION

Short course - 4 weeks - lecture/laboratory

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: A. C. Christensen

E. A. Nelson

Title: Associate Dean of Agriculture

Professor, Animal Science

Telephone: (714) 598-4101

(714) 598-4129

ENTOMOLOGY

ENVIRONMENTAL HEALTH

Rutgers University
Institution

Cook College
P.O. Box 231

Address

New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: ENVIRONMENTAL HEALTH AND LAW

Maximum possible enrollment: 70
Cost: \$415.00/per person

OBJECTIVES AND INTENDED AUDIENCE:

Pre-requisite for licensure - State of New Jersey Sanitary Inspector - Grade 1
suitable for any student with an interest in the subject matter of this course.

CONTENT:

Epidemiology
Infectious Disease Control
Water Pollution Control
Air Pollution Control
Noise Pollution Control
Food Sanitation
Solid Waste Control
Water Treatment
Recreational Environmental Health
Institutional Environmental Health

FORMAT/FREQUENCY/DURATION

5 days per week/ 7½ weeks classroom/5 weeks field training (Total: 378 instructional hours)

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Jorge H. Berkowitz, Ph.D.

Title: Assistant Professor

Telephone: (201) 932-9860

112

Rutgers University

Institution

Cook College, Department of Environmental Sciences
P.O. Box 231

Address

New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: ENVIRONMENTAL SANITATION

Maximum possible enrollment: 50
Cost: \$350.00 per student

OBJECTIVES AND INTENDED AUDIENCE:

This course introduces entry-level individuals with interest in Environmental Sanitation to the basic elements of sanitation: water supply and treatment; waste water collection, treatment and disposal. Elementary principles of stream sanitation and pollution control are also taught.

CONTENT:

- A. Basic Concepts of Sanitation
 - 1. Water-borne disease transmission
 - 2. Toxicity and toxic substances
- B. Development of a basic sanitation program
 - 1. Wastewater collection, treatment, and disposal
 - 2. Water treatment, distribution, and disinfection
 - 3. Individual sanitation facilities
- C. Implementation of sanitation program

FORMAT/FREQUENCY/DURATION

Lecture/6 hours a day/5 days (30 hours)

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: John Cirallo, Assistant Professor
Title: Department of Environmental Sciences
Telephone: (201) 932-9573

EXTENSION EDUCATION

University of Missouri, Columbia
Institution

Agriculture 2-69
Address

Columbia, Missouri 65211
Zip Code

TITLE OF TRAINING PROGRAM: DEVELOPMENT AND OPERATION OF AGRICULTURAL EXTENSION PROGRAMS

Maximum possible enrollment: 18

Cost: \$2000.00 (tuition, room and board)

OBJECTIVES AND INTENDED AUDIENCE:

1. To develop an understanding of role and function of agricultural and home economics research, resident teaching, and extension in American land-grant universities.
2. To develop an understanding of the philosophy and principles of extension education.
3. To understand the role of extension workers, especially area and state specialists, and how they assist rural families to improve rural life.

Intended Audience: individuals in extension from developing countries.

CONTENT:

1. Focus is on people and activities that cause people to act as they do, and how to get people to change their actions and practices.
2. Course deals with the extension system, organization, pipeline, methods to transmit technical information from its source to ultimate users--farmers (cultivator) and family members, and to encourage them to use this information.

FORMAT/FREQUENCY/DURATION

9 weeks (first 4 weeks on campus and on local field trips, next 3 weeks in field, and final 2 weeks on campus and on local field trips.)

LANGUAGES OF INSTRUCTION IN U.S.:

English, although French and Spanish interpreters are available.

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dean Wendell McKinsey, Assistant Dean

Title: International Agriculture
 College of Agriculture

Telephone: (314) 882-3846

University of Wisconsin
Institution
105 Agricultural Hall
1450 Linden Drive
Address
Madison, Wisconsin 53705
Zip Code

TITLE OF TRAINING PROGRAM: DEVELOPMENT AND OPERATION OF AGRICULTURAL EXTENSION PROGRAMS

Maximum possible enrollment: 15
Cost: \$1500.00

OBJECTIVES AND INTENDED AUDIENCE:

This course focuses on the fundamental principles, theories and practices of agricultural extension and their application in developing countries. Participants include foreign students enrolled in graduate academic programs in the U.S. and young staff members of agricultural extension agencies in developing countries.

CONTENT:

1. Six weeks of classroom instruction on extension organization, staff workers, program development and evaluation, teaching and communications method, leadership development, credit and the small farmer.
2. Three weeks in the field, participating in and observing extension programs in action.
3. One week relating and adapting knowledge and observations to home country.

FORMAT/FREQUENCY/DURATION

8 hours a day--5 days per week for 10 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Wayne R. Kussow
Title: Associate Director, International Agricultural Programs
Telephone: (608) 262-3946

Colorado State University

Institution

232 Aylesworth Hall, NW

Address

Ft. Collins, Colorado 80523

Zip Code

Special note: The course described below has been taught at Arizona Winter School the last three winters under the title, "Working With Groups." It may or may not be scheduled in the future at Arizona Winter School and is not offered on a regular basis at Colorado State University. However, it could be made available upon request in Colorado or at some other location.

TITLE OF TRAINING PROGRAM: EXTENSION PROGRAM DEVELOPMENT (Program involves principles from the behavioral sciences and their implications for building informal educational programs which will result in adoption of new ideas.)

Maximum possible enrollment:
Cost:

OBJECTIVES AND INTENDED AUDIENCE:
To assist the student in becoming more effective in extension program development and conduct.

CONTENT:

The content of this course includes those established principles of human behavior that relate to adult learning and change such as: human motivation, adult learning, diffusion of innovations, scientific methods of analyzing human behavior, social power, communication, helping relationships.

FORMAT/FREQUENCY/DURATION

Intensive workshop-seminar/ 1 week minimum - 2-3 weeks ideal

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X* Yes No *With special arrangements

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Melvin L. Eckard
Title: Personnel & Staff Development Coordinator
Telephone: (303) 491-5579

Michigan State University
Institution

Agriculture and Natural Resources Education Institute
410 Agriculture Hall
Address

East Lansing, Michigan 48824
Zip Code

TITLE OF TRAINING PROGRAM: THE COOPERATIVE EXTENSION SERVICE

Maximum possible enrollment: no ceiling
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

To help students understand:

- 1) The historical and philosophical foundations of extension education
- 2) The unique features of Cooperative Extension, including:
 - a) informal teaching/facilitative learning approach
 - b) program planning based on clientele involvement and identified needs
 - c) extensive use and training of local volunteers and lay advisory groups
 - d) reciprocal relationships among education, service, and research
 - e) cooperative relationships, at various levels, among government funding sources
- 3) The roles and responsibilities of various extension personnel
- 4) Program purposes, goals, and methods in Agriculture/Marketing, 4-H Youth, Family Living, and Natural Resources/Public Policy
- 5) Operations and working philosophy at the county staff level
- 6) Current conditions and future challenges facing extension professionals.

CONTENT:

The philosophy of extension; the organizational structure of extension; extension programs; the extension assistant; extension planning and evaluation; extension field visits; volunteers in extension; financing extension

FORMAT/FREQUENCY/DURATION

10-week short course/3 hours per week; could be offered in a one or two-week format

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Carroll H. Wamhoff

Title: Professor

Telephone: (517) 355-6580

New Mexico State University
Institution
Cooperative Extension Service
Box 3 AE
Address

Las Cruces, New Mexico 88003
Zip Code

TITLE OF TRAINING PROGRAM: PLANNING EXTENSION PROGRAMS

Maximum possible enrollment: 50
Cost: To be negotiated

OBJECTIVES AND INTENDED AUDIENCE:

To teach extension professionals and paraprofessionals a client-centered process for planning, implementing, and evaluating extension programs. The emphasis is on providing a balance of short and long-range planning that results in maximum citizen involvement in the Agriculture, Home Economics, 4-H Youth, and Community Development phases of the extension educational program.

CONTENT:

Multi-media participative workshop techniques will be utilized, including demonstration practices and evaluation.

FORMAT/FREQUENCY/DURATION

This is a five-day workshop, each day divided into two 3-hour sessions, with a different theme each day.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Keith Austin
Title: State Program Leader/Community Development
Telephone: (505) 646-1541

University of Rhode Island
Institution

Address

Kingston, Rhode Island 02881
Zip Code

TITLE OF TRAINING PROGRAM: DEVELOPING AND MARKETING COOPERATIVE
EXTENSION EDUCATIONAL PROGRAMS

Maximum possible enrollment: 24

Cost: \$150.00 plus room and board

OBJECTIVES AND INTENDED AUDIENCE:

The purpose of the workshop is to provide an opportunity for extension workers from developing countries to become familiar with and to be able to design a practical program for developing and marketing a Cooperative Extension educational product.

CONTENT:

A workshop methodology will be employed. Participants will be assisted to review, design and make plans to use developing and marketing procedures for a Cooperative Extension program in their home country.

FORMAT/FREQUENCY/DURATION

Three weeks. Five 3-hour sessions per week.

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. David F. Shontz

Title: Extension Staff Development Specialist

Telephone: (401) 792-2981

121

Virginia Polytechnic Institute and State University
Institution

Address

Blacksburg, Virginia 24061
Zip Code

TITLE OF TRAINING PROGRAM: PLANNING AND CONDUCTING 4-H TYPE YOUTH PROGRAMS

Maximum possible enrollment: 5-10, depending upon duration (3-8 weeks)
Cost: \$60.00 per week

OBJECTIVES AND INTENDED AUDIENCE:

This field experience is intended to give extension workers first-hand experience with 4-H programs.

CONTENT:

Field study and observation are emphasized with frequent opportunity for consultation with program participants, volunteer leaders, extension agents and extension faculty. Field visits are scheduled according to the professional interests of participants. Participants will be encouraged to seek out basic ideas that are applicable and/or adaptable to their home situation.

FORMAT/FREQUENCY/DURATION

Field study and consultation includes host family living experiences. Three to eight weeks' duration. Scheduled as needed, preferable May-September.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: C. Dean Allen
Title: Extension Leader, 4-H
Telephone: (703) 961-6373

University of Rhode Island
Institution

Address

Kingston, Rhode Island 02881
Zip Code

TITLE OF TRAINING PROGRAM: EVALUATION OF COOPERATIVE EXTENSION
EDUCATIONAL PROGRAMS

Maximum possible enrollment: 24

Cost: \$150.00 plus room and board

OBJECTIVES AND INTENDED AUDIENCE:

The workshop is intended to help extension workers from developing countries to become familiar with and to be able to design and conduct evaluations of extension programs.

CONTENT:

A workshop methodology will be employed. Participants will have the opportunity to review, develop, and use extension methods and materials culminating in a planned evaluation project to be conducted in their home countries.

FORMAT/FREQUENCY/DURATION

Three weeks. Five 3-hour sessions per week.

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. David F. Shontz
Title: Extension Staff Development Specialist
Telephone: (401) 792-2981

Michigan State University
Institution

Agriculture and Natural Resources Education Institute
410 Agriculture Hall
Address

East Lansing, Michigan 48824
Zip Code

TITLE OF TRAINING PROGRAM: IN-SERVICE EDUCATION EXTENSION SCHOOL

Maximum possible enrollment: variable
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

To supply agricultural extension agents and others with current information in the following program areas: Agriculture and Marketing, Family Living Education, Natural Resources/Public Policy, and 4-H Youth Programs.

CONTENT:

Specific topics in the above program areas, varying from year to year, e.g.: Production and Marketing Systems for Cash Grain Farms; Fruit Marketing; Entomology and Insect Biology; Grain Marketing; Supervision in the County Setting; Forage Production and Marketing; Nematodes; Mass Media Strategies; Interpersonal Skills/Group Dynamics; Stress - A Family Affair; Community Conflict; Energy Programming at the County Level; Volunteer Leadership Development; Conducting Leadership Development Programs; Human Development in Youth Programming; Developing Supervisory Skills

FORMAT/FREQUENCY/DURATION

A one-week series of intensive workshops/8 hours per day/16-hour maximum per topic

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Robert L. Sharpe

Title:

Telephone: (517) 355-6580

176

New Mexico State University
Institution
Cooperative Extension Service
Box 3 AE
Address

Las Cruces, New Mexico 88003
Zip Code

TITLE OF TRAINING PROGRAM: EXTENSION TEACHING METHODS

Maximum possible enrollment: 50
Cost: To be negotiated

OBJECTIVES AND INTENDED AUDIENCE:

Teaching participants how to design and use multi-media extension teaching techniques in non-formal education situations.

Intended audiences: Extension professionals and paraprofessionals

CONTENT:

Multi-media participative "how to do it" workshop will be employed. Participants will observe, practice, and evaluate a wide variety of contemporary educational techniques.

FORMAT/FREQUENCY/DURATION

This is a five-day workshop, each day divided into two 3-hour sessions, with a different theme each day.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Keith Austin
Title: State Program Leader/Community Development
Telephone: (505) 646-1541

127

Oregon State University
Institution

Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL EXTENSION METHODS

Maximum possible enrollment: about 20
Cost: about \$1500.00 (with graduate school credit)

OBJECTIVES AND INTENDED AUDIENCE:

To explore with students the adaptability of the Extension educational concepts for food production and utilization to divergent domestic and foreign cultures with emphasis on developing countries and differing ethnic groups. To establish a better understanding of skills necessary for information delivery systems and communication techniques for diffusing research results to farmers, fishermen, women, youth, and others involved with food production and utilization under varying situations.

CONTENT:

Techniques in helping people help themselves in differing cultures. Factors to recognize in application to other cultures. Review of Extension and related research institutions worldwide. Planning viable educational programs in divergent societies. Designing information delivery systems within constraints of educational, social, economic, and political situations. Training programs adapted to local needs. Motivation techniques and incentives for change in varying cultures.

Each student will have the opportunity to develop and present to the class an example of adaptation of the Extension concept on a subject related to his or her major field to a differing culture and how it can be implemented.

One of the most valuable educational experiences from this course will be the synergistic effect of the combined understanding of information delivery systems of several differing cultures.

FORMAT/FREQUENCY/DURATION

Could be arranged in summer as a two-week workshop. It is currently offered as a regular class winter term.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: W.L. Andersen

Title: Associate Professor & State Extension Agent in Agriculture &
Community Resource Development

Telephone: (503) 754-4911 120

128

University of Vermont
Institution
College of Agriculture
Morrill Hall
Address

Burlington, Vermont 05405
Zip Code

TITLE OF TRAINING PROGRAM: ADULT/EXTENSION EDUCATION

Maximum possible enrollment: variable
Cost: supplied upon request

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in adult/extension education topics of current interest

CONTENT:

Currently being revised. Information available upon request.

FORMAT/FREQUENCY/DURATION

Short course or intensive workshop/3 - 14 days

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: William H. Kelly, Associate Dean

Title: Resident Instruction

Telephone: (802) 656-2981

FAMILY DEVELOPMENT

Virginia Polytechnic Institute and State University
Institution

Address

Blacksburg, Virginia 24061
Zip Code

TITLE OF TRAINING PROGRAM: FAMILY DEVELOPMENT IN A DEVELOPING COUNTRY

Maximum possible enrollment: 10

Cost: Prices quoted on demand

OBJECTIVES AND INTENDED AUDIENCE:

Helping professionals to understand family structure and the relationship of that structure to family development - especially the part played by women and children in the family.

CONTENT:

Methods of looking at family and community structure to best utilize all family members in the developmental and industrial process. Putting developmental and industrial needs into the family/community construct to meet developmental needs of both groups. Group discussions, case studies, historical outcomes.

FORMAT/FREQUENCY/DURATION

Short course/2 weeks, 5 days a week, 6 hours a day

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Depends on country. VPI & SU has language expertise in a number of languages.

INSTITUTION CONTACT:

Name: Laura Jane Harper, Dean

Title: College of Home Economics

Telephone: (703) 961-6779

FARM MANAGEMENT

North Carolina State University
Institution

P.O. Box 5157
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: SHORT COURSE IN MODERN FARMING

Maximum possible enrollment: 117

Cost: \$48.00 in 1979

OBJECTIVES AND INTENDED AUDIENCE:

This short course offers an introduction to modern production and marketing technology for virtually all North Carolina farm commodities, together with concepts in farm management, agricultural policy, taxation, environmental quality, etc. The short course is co-sponsored by the North Carolina Bankers Association and is directed toward youth who do not expect to enroll in the university, but to continue farming.

CONTENT:

Presentations by extension specialists from all departments within the School of Agriculture and Life Sciences; tours to farm markets and demonstration farms; banquet program.

FORMAT/FREQUENCY/DURATION

This short course has been conducted once per year for 27 consecutive years. It requires two weeks (10 days) on an 8-5 schedule.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. E.W. Glazener

Title: Director of Instruction

Telephone: (919) 737-2614

FISHERIES

Rosenstiel School of Marine and Atmospheric Science

Institution

University of Miami

4600 Rickenbacker Causeway

Address

Miami, Florida

33149

Zip Code

TITLE OF TRAINING PROGRAM: GEOLOGY OF TROPICAL MARINE ENVIRONMENTS

Maximum possible enrollment: 25

Cost: \$615.00 + \$15.00 a day for room and board at Fisher Island Station

OBJECTIVES AND INTENDED AUDIENCE:

A comprehensive introduction to the major shallow water marine environments from coastal mangrove swamps and tidal flats to coral reefs with emphasis on the interrelationship of organisms and carbonate sediments.

This is a field course for students and teachers of geology, biology, and oceanography. It is designed for advanced undergraduates, and graduate students.

CONTENT:

Part I: (two weeks) Field excursions, laboratory workshops, and lectures designed to introduce advanced undergraduates, graduate students, and teachers to processes of sedimentation and ecology of benthic communities.

Part II: (two weeks) A series of field/laboratory problems in which students use skills developed in Part I to map carbonate environments, work out depositional history from cores, establish zonation of sea floor communities, and analyze environments of fossil limestones.

FORMAT/FREQUENCY/DURATION

Annual/five weeks - usually in midsummer

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Harold R. Wanless

Title: Assistant Professor

Telephone: (305) 350-7405

FOOD SCIENCE

California State Polytechnic University
Institution

School of Agriculture
3801 West Temple Avenue

Address

Pomona, California 91768

Zip Code

TITLE OF TRAINING PROGRAM: MEAT CUTTING, CURING, PROCESSING AND DISTRIBUTION

Maximum possible enrollment: 15

Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

Objectives:

- 1) To familiarize the student with the various channels of flow of meat from slaughter to consumer
- 2) To familiarize the student with various techniques for fabricating red meat animal carcasses and identifying retail meat cuts
- 3) To familiarize the student with various methods of processing meat

Intended Audience: Management and production personnel

CONTENT:

Lecture and laboratory experiences in:

- 1) Marketing and pricing of meat
- 2) Grading and classification of carcasses
- 3) Fabrication of carcasses and identification standards
- 4) Principles of manufacture of certain cured and engineered meat products

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. C. Y. Matsushima

Title: Professor, Animal Science

Telephone: (714) 598-4136

University of Illinois

Institution

College of Agriculture

Office of Resident Instruction

Address

104 Mumford Hall

Urbana, Illinois

61801

Zip Code

TITLE OF TRAINING PROGRAM: SOYBEAN PROCESSING FOR FOOD USES

Maximum possible enrollment: 15

Cost: \$3,850.00 for the complete program

OBJECTIVES AND INTENDED AUDIENCE:

The general objectives are: (1) to give an opportunity to learn the principles and processes involved in the use of soybeans and soybean products for human food, (2) to teach the concepts and procedures for processing of whole soybeans, and (3) to enable students to apply the knowledge gained in the course to country and individual development objectives in the use of soybeans as an improved source of protein and calories.

CONTENT:

Classes and food processing laboratory work will be conducted five days each week. Participants will be provided the opportunity to discuss processing problems encountered in their work. Written reports will be used to determine attainment of course objectives.

Participants will be given an opportunity to observe research and educational activities at the University of Illinois in areas of their interests. Visits will also be made to soybean marketing firms and to research and educational organizations in the area. A one-week study tour will be conducted as an integral part of the course. Participants will travel to nearby states to observe areas of soybean production and to study processing principles and procedures being used by public and private soybean processors.

FORMAT/FREQUENCY/DURATION

The course is offered annually and lasts five weeks.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: John W. Santas

Title: Training Officer

Telephone: (217) 333-3638

140

FOOD SERVICE

Stephen F. Austin State University
Institution
Box 3014
Stephen F. Austin Station
Address
Nacogdoches, Texas 75962
Zip Code

TITLE OF TRAINING PROGRAM: WORKSHOP FOR FOOD SERVICE PERSONNEL

Maximum possible enrollment:
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

Intended for individuals already employed in food service

CONTENT:

For specific details on the content of the workshop, contact Stephen F. Austin State University directly.

FORMAT/FREQUENCY/DURATION

Intensive workshop; 2 weeks each summer for five years

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Gloria Durr

Title: Chairman, Department of Home Economics

Telephone: (713) 569-4502

Stephen F. Austin State University
Institution
Box 3014
Stephen F. Austin Station
Address
Nacogdoches, Texas 75962
Zip Code

TITLE OF TRAINING PROGRAM: 90-HOUR PROGRAM FOR FOOD SERVICE SUPERVISION

Maximum possible enrollment: Negotiable
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

Intended for supervisory personnel or potential supervisory personnel in food service

CONTENT:

Details on program content available on request

FORMAT/FREQUENCY/DURATION

Intensive workshop; 5-hour week for 18 weeks plus on-the-job activities with preceptor

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No Possibly

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Gloria Durr

Title: Chairman, Department of Home Economics

Telephone: (713) 569-4502

153

FORESTRY

U.S. Department of Agriculture/Forest Service
Institution

Contact: OICD/ITD, Room 3541-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 170-1, FOREST INVENTORY AND RESOURCE SURVEYS

Maximum possible enrollment: 12
Cost: \$1250.00 per month

OBJECTIVES AND INTENDED AUDIENCE:

The general objective of this special course is to train participants in the principles and methods of forest inventory based on photo-interpretation, statistics, and specialized central office equipment such as simple stereoscopes, plotters, and calculators. The course focuses on practical training that can be used under conditions in participants' home countries.

Candidates should be: (a) supervisory, administrative, or professional personnel who are or will be concerned with inventories, appraisals, or management planning of timber or other forest resources; or (b) personnel engaged in research in forest inventory, economics, or management. Participants must have basic training in forestry, facility with algebra, and 2 years of practical experience in forest inventory, or in a closely allied field of mathematics, engineering, surveying, photo-interpretation or the like.

CONTENT:

Two and one-half weeks in Washington, D.C. for orientation in U.S. history, geography, culture, agriculture, and forestry. Seven weeks concurrently in an accredited School of Forestry and in the forest, where participants will undertake a special academic-practice program in the various significant phases of forest inventory. These phases will include planning and organizing a survey for a specific project; preparation of inventory specifications; photo-interpretation; measurements of forest areas, volumes, growth, mortality and commodity drain of forest products; and computation and reporting techniques.

One week in a special communication course designed for foreign technicians to develop ideas and skills in transmitting knowledge and techniques. One week in Washington, D.C. to summarize and evaluate the study program.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/12 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

Conducted in English with simultaneous translation in other languages available.

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: A.J. Dye
Title: Program Specialist
Telephone: (202) 447-2806

Oregon State University
Institution

School of Forestry
Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: REFORESTATION METHODS

Maximum possible enrollment: 100
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content supplied on request

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

Oregon State University
Institution
School of Forestry
Address
Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: VEGETATION MANAGEMENT ALTERNATIVES

Maximum possible enrollment: 150
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content supplied on request

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

Oregon State University
Institution
School of Forestry
Address
Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: NUTRIENT MANAGEMENT IN YOUNG FORESTS

Maximum possible enrollment: 100
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content supplied on request

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

152

Oregon State University
Institution

School of Forestry
Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: TREE-PEST INTERACTIONS

Maximum possible enrollment: 100
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content available on request

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

U.S. Department of Agriculture/Forest Service
Institution

Contact: OICD/ITD, Room 3541-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 170-5, FOREST PRODUCTS UTILIZATION

Maximum possible enrollment: 12
Cost: \$1250.00 per month

OBJECTIVES AND INTENDED AUDIENCE:

Participants learn to: (1) obtain current information concerning wood anatomy, wood technology, wood seasoning, wood preservation, and wood utilization in general; (2) study the manufacture of primary and secondary wood products; (3) receive general instruction in grading trees and logs, and learn how log grades and wood properties affect wood use; (4) learn about research in the utilization and marketing of wood products.

Candidate Requirements: Participants must be supervisory or professional personnel concerned with processing of, or research on the subject of, forest products. Participants must have a college degree in forestry, wood technology, or forest engineering; or six years' experience in forest products utilization or research.

CONTENT:

Two weeks in Washington, D.C. for orientation in U.S. history, geography, culture, agriculture, and forestry. Four weeks at a recognized forestry college on wood anatomy, mechanical and physical properties, tree and log grading, wood manufacturing and quality control, wood uses, drying and preservation. Three weeks on a field study of plant layout, equipment, processing methods including quality control and materials used in manufacturing, seasoning, and preserving plants. One week of wood utilization research at the Forest Products Laboratory, Madison, Wisconsin; pilot hardwood utilization plant, Carbondale, Illinois; and Forest Products Marketing Laboratory, Princeton, West Virginia. One week in workshop sessions on principles of communications to help participants make the best use of their training. One week of evaluation of training program and completion of report.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/12 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: A.J. Dye
Title: Program Specialist
Telephone: (202) 447-2806

Oregon State University
Institution

School of Forestry
Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: LUMBER DRYING
Maximum possible enrollment: 40
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content supplied on request

FORMAT/FREQUENCY/DURATION

5 days/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean
Title: School of Forestry
Telephone: (503 754-2221

Oregon State University
Institution

School of Forestry
Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: ASSESSING PULP CHIP QUALITY

Maximum possible enrollment: 25
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content available on request

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

Oregon State University
Institution

School of Forestry
Address

Corvallis, Oregon 97331
Zip Code

TITLE OF TRAINING PROGRAM: PLYWOOD MANUFACTURING

Maximum possible enrollment: 40
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to make up-to-date information available to forestry professionals

CONTENT:

Details of course content available on request

FORMAT/FREQUENCY/DURATION

5 days/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

FRUIT CULTURE

California State Polytechnic University
Institution
School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
 Zip Code

TITLE OF TRAINING PROGRAM: CITRUS PRODUCTION

Maximum possible enrollment: 40
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

All areas of citrus production and management are covered relative to California-Arizona conditions. The primary objective is to provide information and materials to citrus growers in foreign countries. It is possible for the student to apply many techniques learned in this program to their own home industries.

CONTENT:

Emphasis is placed on production and management. All cultural practices are covered: tillage vs. non-tillage, irrigation, fertilization, propagation, root stocks, pruning, pest and disease control, weed and rodent control. Frost protection and recent research relative to cultural practices. Harvesting, processing and handling, maturity, packing-house management, storage, and marketing. Orchard management: cost studies and fruit transportation are also included. A similar course may also be offered covering deciduous fruit trees.

FORMAT/FREQUENCY/DURATION

8 weeks - summer quarter

LANGUAGES OF INSTRUCTION IN U.S.:

English and Japanese

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

Japanese or English

INSTITUTION CONTACT:

Name: Lloyd A. Newell

Title: Professor

Telephone: (714) 598-4100

University of California

Institution

College of Natural Resources & Agricultural Sciences

Address

Riverside, California 92621

Zip Code

TITLE OF TRAINING PROGRAM: SUMMER PROGRAM IN APPLIED PRODUCTION, TECHNOLOGY AND PEST CONTROL FOR CITRUS

Maximum possible enrollment: 45
Cost: \$500.00

OBJECTIVES AND INTENDED AUDIENCE:

This five-week summer program will give an in-depth presentation of recently developed and effective practices in the production of citrus. The faculty will review significant research findings applicable to the production and marketing of citrus and will provide opportunities for observing effective technical approaches in citrus production.

CONTENT:

Instruction will consist of lectures, demonstrations and field trips. The lectures will emphasize the application of scientific findings and innovations in technology and pest control. Many will be supplemented by visual presentations and specimen displays.

Field trips include visits to experimental plots and laboratories, new and established orchards throughout the major citrus-producing areas in California, and a citrus packinghouse and processing plant.

Participants may enroll in the entire program or in one or more short courses. Certificates of completion will be offered to those attending either a single short course or the entire program.

FORMAT/FREQUENCY/DURATION

Short course - 5 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Ms. Jean Richter, Program Assistant

Title: University Extension

Telephone: (714) 787-4361

California State University, Fresno
Institution

School of Agriculture and Home Economics
Address

Fresno, California 93740
Zip Code

TITLE OF TRAINING PROGRAM: GRAPE PRODUCTION

Maximum possible enrollment: 5
Cost: \$2700.00 each

OBJECTIVES AND INTENDED AUDIENCE:

Objectives: To Learn:

1. vineyard planting and development operations; 2. grafting and "T" budding; 3. rooting of plants; 4. dusting and spraying;
5. weed control; 5. insect control; 7. irrigation; 8. harvest;
9. packing and shipping of fresh fruit; 10. marketing of fruit.

Audience: Intended for those who will be responsible for establishing vineyards, or for managing vineyards and marketing crops. Those who will be training others in viticulture are also a potential audience.

CONTENT:

Participant will:

1. observe and practice laying out a vineyard, planting, propagating vines, and grafting;
2. observe and study weed and insect control;
3. visit marketing activities;
4. work with production, harvesting, packing operations.

FORMAT/FREQUENCY/DURATION

Short course, internship, one a year, 2 months April - June

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: M. Van Elswyk, Jr.

Title: Assistant Dean

Telephone: (209) 487-2062

State University of New York, Farmingdale
Institution

Melville Road
Address

Farmingdale, New York 11735
Zip Code

TITLE OF TRAINING PROGRAM: ORCHARD

Maximum possible enrollment: 25
Cost: \$90.00

OBJECTIVES AND INTENDED AUDIENCE:

Persons intending to grow fruit on a small scale.

CONTENT:

Course will consist of soil management, pruning techniques, and an effective spraying program, designed to guarantee a crop free from insects and diseases. The purchase and planting of trees will also be discussed.

FORMAT/FREQUENCY/DURATION

50 hours; Lectures/field experience

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dean Joseph Schwartz

Title: Assistant Dean
Continuing Education

Telephone: (516) 420-2687

GENERAL AGRICULTURE

University of Puerto Rico
Institution

College of Agricultural Sciences
Address

Mayaguez, Puerto Rico 00708
Zip Code

TITLE OF TRAINING PROGRAM: TOPICS IN GENERAL AGRICULTURE

Maximum possible enrollment: variable
Cost: variable

OBJECTIVES AND INTENDED AUDIENCE:

The University of Puerto Rico regularly offers courses for young high school graduates who plan to become farmers, farm managers, assistants to farm managers, or agricultural technicians. Most courses are of a specialized nature, varying from year to year. They train the students in the various aspects of one agricultural enterprise or a few closely related enterprises.

CONTENT:

See above.

FORMAT/FREQUENCY/DURATION

Short course/24 to 39 weeks/offered as need arises

LANGUAGES OF INSTRUCTION IN U.S.:

Spanish

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Professor Federico G. Blay

Title: Assistant Dean, College of Agricultural Sciences

Telephone: (809) 832-4040, ext. 2211 or 2218

University of Hawaii

Institution

College of Tropical Agriculture & Human Resources
3050 Maile Way

Address

Honolulu, Hawaii

96822

Zip Code

TITLE OF TRAINING PROGRAM: FARMER-TO-FARMER TRAINING

Maximum possible enrollment: 50

Cost: \$50.00/month/trainee plus travel and other costs

OBJECTIVES AND INTENDED AUDIENCE:

A program to provide at selected locations in the state of Hawaii seminars, field training, and in-service training in the fields of agriculture, health, welfare and environment under the supervision of the University's College of Tropical Agriculture, School of Public Health in cooperation with the School of Nursing, East-West Center Population and Communications Institutes, for qualified foreign nationals, to promote the general interests of international exchange.

CONTENT:

Trainees are provided complete "on-the-job" training in production and management skills in the operation of a commercially oriented farm. Assignment of trainees to farms is based on commodities common to the home country environment and needs of the communities.

FORMAT/FREQUENCY/DURATION

On-the-job training lasting one year to 18 months. Extension of up to 18 months on a case-by-case basis.

LANGUAGES OF INSTRUCTION IN U.S.:

English, but utilize linguist for translation purposes when required, particularly Japanese and Portuguese.

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Kenneth K. Otagaki

Title: Acting Director, International Programs

Telephone: (808) 948-7639 160

University of Hawaii at Manoa
Institution
College of Tropical Agriculture & Human Resources
3050 Maile Way
Address
Honolulu, Hawaii 96822
Zip Code

TITLE OF TRAINING PROGRAM: SPECIALIZED TECHNICAL TRAINING IN AGRICULTURE

Maximum possible enrollment: open, single trainees, groups of up to 150
Cost: According to nature of training; graduate level training
 up to \$1300.00 per semester, or \$50.00 per credit hour;
OBJECTIVES AND INTENDED AUDIENCE: living expenses to \$1000.00 per month.

1. Purpose: To meet special needs of emerging countries in the subtropical and tropical regions by developing food production and marketing potential within social and economic constraints.
2. How Programs Work: Research, training and consultancy programs to meet special requirements of developing countries. Programs draw upon total University of Hawaii facility and staff resources in research, extension, and teaching activities. Private sector agribusinesses and agricultural credit institutions serve as program resources. Programs may be conducted in Hawaii or in developing countries by specialists working in concert with requesting agencies.
3. Program Offerings: (a) Graduate and undergraduate degree programs in all listed resource disciplines. (b) Technology transfer activities including collaborative research, and technical and operational consultancies. (c) Short-term technical and managerial training programs of 1 to 12 weeks (multidisciplinary) in specialized fields: Agricultural Research Management, Biological Nitrogen Fixation, Tropical Soils Management, Pest Management, Livestock Improvement, Tropical Feed/Forage, Community Development, Market Development, Land and Water Management, Agricultural Credit. Other programs to meet special needs.
4. Resource Disciplines: Agricultural Biochemistry, Agricultural and Resource Economics, Agricultural Engineering, Agronomy and Soil Science, Animal Science and Aquaculture, Entomology and Pest Control, Fashion Design, Textiles and Merchandising, Food Science and Human Nutrition, Home Economics, Horticulture, Human Resources Development, Plant Pathology, Plant Physiology.

FORMAT/FREQUENCY/DURATION

Intensive one-to-one training with specialists; lasting one month to one year

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Spanish and Japanese

INSTITUTION CONTACT:

Name: Kenneth K. Otagaki
Title: Acting Director, International Programs
Telephone: (808) 948-7639

University of Hawaii at Manoa

Institution
College of Tropical Agriculture & Human Resources
3050 Maile Way
Address

Honolulu, Hawaii

96822

Zip Code

TITLE OF TRAINING PROGRAM: SHORT-TERM CONSULTANCIES ON AGRICULTURAL TOPICS

Maximum possible enrollment: not applicable

Cost: Range \$4000.00 - \$6000.00 per month plus travel,
per diem, expenses

OBJECTIVES AND INTENDED AUDIENCE:

Assist governmental, private and international institutions in inventorying agricultural resources, identifying constraints, designing specific and system-wide programs to overcome or reduce such constraints to the ends of enhanced production, productivity of resources, efficiency of operations, generation of farmer income, development of new products; design and fulfillment of research, experimental procedures, extension and outreach programs as needed: training of specialists. Programs to focus on agriculture and aquaculture, forestry and natural resources management in the tropics-including especially tropical legumes, fruits, vegetables, tree crops, aquatic species, large and small ruminants and other animals; also tropical soils management, nitrogen fixation in the tropics, establishment of research management systems; evaluation of policies and programs consultancies to be of service to senior policymakers, program managers, analysts, principal investigators, project managers.

CONTENT:

Variable - designed according to the needs of the host country.

FORMAT/FREQUENCY/DURATION

One week to six months' advising/teaching.

LANGUAGES OF INSTRUCTION IN U.S.:

English; use of interpreters as needed or as available, staff with appropriate language capabilities, especially Japanese, Chinese, Filipino, Spanish.

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Japanese, Chinese, Filipino, Spanish

INSTITUTION CONTACT:

Name: William R. Furtick

Title: Dean

Telephone: (808) 948-8234

162

GENERAL HORTICULTURE

Rutgers University

Institution

Cooperative Extension Service/Cook College

Address

New Brunswick, New Jersey 08903

Zip Code

TITLE OF TRAINING PROGRAM: INSTITUTE OF APPLIED HORTICULTURE

Maximum possible enrollment: no limit
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

The primary objective of the program is to provide training courses for those in need of up-to-date technical training in the fields of horticulture.

CONTENT:

The Institute consists of four schools, each of which offers courses for specialized sections of the horticulture industry: The School of Floriculture, The School of Arboriculture, The School of Landscaping, and The School of Pest Control.

FORMAT/FREQUENCY/DURATION

The time required to complete the curriculum will depend upon the number of courses a student selects in a year. Courses are offered in a three-year cycle.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. John L. Gerwig

Title: Dean of Extension

Telephone: (201) 932-9306

North Carolina State University
Institution

P.O. Box 5157
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: TOBACCO SHORT COURSE

Maximum possible enrollment: varies
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

To acquaint North Carolina farm youth (18-35) with all the technology of flue-cured tobacco production and marketing.

CONTENT:

Presentations by tobacco-related specialists on management practices, disease and insect control, tobacco policy, harvesting and curing, grading, etc. A tour to a cigarette manufacturer will be scheduled.

FORMAT/FREQUENCY/DURATION

In January, 1980, the second annual Tobacco Short Course will be scheduled, co-sponsored by the Philip Morris Tobacco Company. Five days (8am-5pm) are required.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. W.K. Collins
Title: Extension Tobacco Specialist
Telephone: (919) 737-3331

HOME ECONOMICS EXTENSION

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: CLOTHING

Maximum possible enrollment: no ceiling
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals on various specialized topics in Clothing

CONTENT:

Revised annually - available on request

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No On request

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean

Title: Agriculture and Life Sciences

Telephone: (919) 737-2811

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: FAMILY RESOURCE MANAGEMENT

Maximum possible enrollment: no ceiling
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals, particularly extension agents, on specific topics in Family Resource Management

CONTENT:

Content varies from year to year

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

On request

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean

Title: Agriculture and Life Sciences

Telephone: (919) 737-2811

North Carolina Agricultural Extension Service
North Carolina State University
Institution

P.O. Box 5907
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: SCIENCE AND SKILLS IN HELPING FAMILIES COPE WITH CURRENT HOME AND FAMILY PROBLEMS

Maximum possible enrollment: 20

Cost: \$150 per student with a minimum of 10 students

OBJECTIVES AND INTENDED AUDIENCE:

Training is designed to help Extension Home Economists acquire the knowledge and skills to help families cope with current problems related to family living.

Emphasis is placed on building a knowledge basis with appropriate skills for presenting the material to lay audiences in many forms, e.g. radio, television, lecture/demonstration, newsletter, or home study.

CONTENT: Topics: Money management in times of inflation; energy conservation in the home; food planning for economy and good nutrition; food preparation and preservation; nutrition for individual family members; modified diets; use of food preparation equipment; infant care, human development--stages of the family life cycle including aging; the adolescent; developing family communications; housing--planning and maintenance; home furnishings--selection, care, and refurbishing; clothing construction and buying; general consumer education

Within these broad areas of home economics, a subject would be chosen for the week's training which would relate directly to current program needs.

FORMAT/FREQUENCY/DURATION

Workshop/seminar with field trips and practice sessions, offered annually

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X* Yes No *Negotiable

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Eloise S. Cofer

Title: In Charge, Home Economics

Telephone: (919) 737-2781

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: HOUSING AND HOUSE FURNISHINGS

Maximum possible enrollment: no ceiling
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals, especially extension agents, on specific topics in housing and home furnishings

CONTENT:

Content varies from year to year.

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No On request

If yes, in what languages?

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean
Title: Agriculture and Life Sciences
Telephone: (919) 737-2811

HUMAN DEVELOPMENT

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: HUMAN DEVELOPMENT

Maximum possible enrollment: no ceiling

Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals, particularly extension agents, on specific topics in human development

CONTENT:

Content varies from year to year.

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No On request

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean

Title: Agriculture and Life Sciences

Telephone: (919) 737-2811 174

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: GERONTOLOGY

Maximum possible enrollment: no ceiling
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals, particularly extension agents, on specific topics in gerontology

CONTENT:

Content varies from year to year.

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

On request

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean

Title: Agriculture and Life Sciences

Telephone: (919) 737-2811 175

IRRIGATION ENGINEERING

U.S. Department of Agriculture
Institution
OICD/ITD, Room 3546-South Building
Address
Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 120-1, IRRIGATION PROBLEMS AND PRACTICES

Maximum possible enrollment: 25
Cost: \$2135.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

To provide participants with knowledge and practical experience in on-farm water management and crop production which will assist them in planning, designing, developing, and maintaining new irrigation systems as well as increasing the efficiency of existing irrigation systems in their home countries.

This course is designed primarily for irrigation practitioners with an educational background at the B.S. or M.S. level in agronomy or agricultural engineering.

CONTENT:

The first six weeks of the course are conducted primarily on Colorado State University's campus and include lectures, field and laboratory practices, field training at agronomy experiment station farm, and seminars centered on presentations by participants of irrigation problems in their country. Topics covered include: (1) basic soils; (2) soil-water-plant relationships; (3) land leveling; (4) irrigation methods and practices; (5) administration and distribution of water; (6) water law; (7) water quality, salinity, and drainage problems and remedies; (8) economics of irrigation; and (9) extension methods. The last 2 weeks of the course consists of field visits to irrigation farms in Southern Colorado, the San Luis Valley in Southern Colorado, and the San Juan Research Center in western Colorado.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/8 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X* No

If yes, in what languages?

*TC 120-14 "Assessment and Improvement On-Farm Irrigation Systems" is a similar course specifically designed for overseas presentation.

INSTITUTION CONTACT:

Name: Richard Affleck
Title: Program Specialist
Telephone: (202) 447-5632

U.S. Department of Agriculture
Institution

OICD/ITD, Room 3910-South East
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 120-14, ASSESSMENT AND IMPROVEMENT OF ON-FARM
IRRIGATION SYSTEMS
Maximum possible enrollment: 25
Cost: \$30,000.00 approximately, negotiated with sponsor

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to help participants increase their ability to: (1) examine on-farm irrigation practices and identify physical constraints and socioeconomic problems faced by farmers growing irrigated crops; (2) utilize field measurement techniques to evaluate water control and water use efficiency; (3) plan efficient irrigation practices for particular crops grown on particular soils in order to maximize yields and quality, and (4) evaluate irrigation methods and develop practical and economic improvements.

This course is intended for agriculturalists such as engineers, agronomists, or extension specialists working directly with on-farm irrigation systems.

CONTENT:

Specific topics covered during the course include: (1) relationship of efficient water utilization to on-farm water management; (2) field surveys; (3) general principles of flow measurement; (4) factors affecting seepage losses; (5) physical properties of soils and plants affecting movement, retention, and use of water; (6) methods to determine soil moisture content; (7) consumptive use of water and peak period use rates; (8) surface irrigation methods, field evaluation of such methods, and factors important to the efficient operation of each; and (9) technological changes and institutional modifications to improve water quantity and quality as well as water management. Field visits are used extensively throughout the course to provide practical experience in collecting data, evaluating on-farm water management problems and planning improvements.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/as requested/4 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

Designed exclusively for overseas presentation. TC 120-1, "Irrigation Problems and Practices" is a similar course presented in the U.S.

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English, Spanish, French and Arabic

INSTITUTION CONTACT:

Name: Peg Hively
Title: Program Specialist
Telephone: (202) 447-5759

~~California State Polytechnic University~~
Institution

School of Agriculture

~~3801 West Temple Avenue~~

Address

~~Pomona, California~~ 91768

Zip Code

TITLE OF TRAINING PROGRAM: IRRIGATION SYSTEMS

Maximum possible enrollment: 25
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

- 1) To learn how to do simple and accurate irrigation system design.
- 2) To learn how to operate and maintain irrigation systems properly.

High school graduates or college level.

CONTENT:

- 1) Soil-water-plant relationship
- 2) Basic hydraulics
- 3) Design
- 4) Maintenance

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English, Mandarin Chinese, Japanese

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English, Mandarin Chinese, Japanese

INSTITUTION CONTACT:

Name: Dr. Joe Y. T. Hung

Title: Professor, Agricultural Engineering

Telephone: (714) 598-4124

California State University, Fresno
Institution

School of Agriculture and Home Economics
Address

Fresno, California 93740
 Zip Code

TITLE OF TRAINING PROGRAM: IRRIGATION TECHNOLOGY

Maximum possible enrollment: 20
Cost: \$1200 each

OBJECTIVES AND INTENDED AUDIENCE:

- Objectives: 1. learn modern aspects of irrigation technology as applied to individual crops,
2. gain experience at using various methods of irrigation, e.g., flood, sprinkler, and drip (trickle),
3. learn techniques of evaluating irrigation equipment, e.g., sprinklers and drippers.

Intended Audience: Those who will supervise or train others in irrigation techniques.

CONTENT:

Participants will:

1. perform each method of irrigation in actual field conditions,
2. evaluate each method,
3. study soil/plant/water relations for several crops,
4. develop a technical handbook for future use,
5. evaluate various sprinklers and drip emitters,
6. design and evaluate an irrigation system based on expected needs in their home country.

FORMAT/FREQUENCY/DURATION

Intensive workshop, twice a year for one month in June, July or August.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: M. Van Elswyk, Jr.

Title: Assistant Dean

Telephone: (209) 487-2062

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: IRRIGATION PRINCIPLES AND PRACTICES

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

1. To obtain an understanding of the basic principles of soil-water and plant-water relationships and their application to good sprinkler irrigation practices.
2. To understand basic sprinkler irrigation system requirements.
3. To become familiarized with various types and components of sprinkler irrigation systems and selection of a system to fit needs.
4. To become aware of maintenance and operational problems of sprinkler irrigation.

CONTENT:

A study of sprinkler irrigation system design, pumps, power sources and other components. Emphasis will be placed on estimating and analyzing irrigation costs and returns. In addition, a review will be included of:

1. the basic soil properties
2. sources of water and water requirements of the basic soil properties
3. sources of water and water requirements of plants.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon
Title: Dean, College of Agriculture
Telephone: (715) 425-3841

Colorado State University
Institution

Address

Ft. Collins, Colorado 80523
Zip Code

TITLE OF TRAINING PROGRAM: PROBLEM IDENTIFICATION METHODS FOR FARM IRRIGATION

Maximum possible enrollment: 20
Cost: \$2000.00

OBJECTIVES AND INTENDED AUDIENCE:

To provide field training for technical personnel in methods for evaluation and improvement of farm irrigation systems. Both international and domestic studies.

CONTENT:

FORMAT/FREQUENCY/DURATION

Short course/ 8 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Wayne Clyma

Title: Department of Agricultural & Chemical Engineering

Telephone: (303) 491-8370

METEOROLOGY

U.S. Department of Commerce

Institution

National Oceanic and Atmospheric Administration
Washington Science Center, Building 5

Address

Rockville, Maryland 20852

Zip Code

TITLE OF TRAINING PROGRAM: NATIONAL WEATHER SERVICE AGRICULTURE WEATHER SHORT COURSE

Maximum possible enrollment: Limited number of qualified foreign nationals can be enrolled
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

To provide meteorologists of the National Weather Service and a limited number from foreign Services with agriculture-weather relationships, sectional agricultural practices, working relationships, and information exchange media. To establish ideas, stimulate development and increase services to agriculture food production. To develop understandable terms that will make complete weather information available.

This course is designed for meteorologists who provide special forecasts to agricultural interests.

CONTENT:

The course acquaints professional meteorologists with agricultural weather relationships, agricultural practices, working relationships and information exchange media. It includes a series of lectures and discussions by experts from universities and governmental agencies with knowledge of agriculture and meteorological practices.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Martin Rosenblatt

Title: International Training Officer

Telephone: (202) 331-8635

NATURAL RESOURCE MANAGEMENT

Virginia Polytechnic Institute
Institution
Virginia State University
123 Hutcheson Hall (Agriculture)
Address

Blacksburg, Virginia 24061
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL ENVIRONMENTAL STUDIES

Maximum possible enrollment: 50
Cost: \$250.00 (per student) approximately; plus meals
and lodging.

OBJECTIVES AND INTENDED AUDIENCE:

To study selected complex environmental problems and possible solutions as well as to study unique U.S. policies, laws, and institutions which influence the management of natural resources. Students will be about 25 from the U.S. and 25 from the Netherlands; all must have some science or environmental education background.

CONTENT:

Topics will include: energy, strip mining, flood control, national forest, national parks, large corporations (farming, mining, timber), private institutions (e.g. Nature Conservancy), land-use planning and management.

FORMAT/FREQUENCY/DURATION

Lecture and field trips. Usually 4 days of lecture and 1 day of study trip per week with a one or two-week study trip at end of course. Duration will be 6 to 8 weeks total.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? * Yes No

If yes, in what languages?

English

*Plans are to offer in U.S. and the Netherlands on an alternating basis.

INSTITUTION CONTACT:

Name: E.W. Carson

Title: Professor of Agronomy
Virginia Polytechnic Institute & State University

Telephone: (703) 961-6300

NUTRITION

California State Polytechnic University

Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California

91768

Zip Code

TITLE OF TRAINING PROGRAM: FOODS & NUTRITION

Maximum possible enrollment: 20 - 24

Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

This course is intended to increase the knowledge and understanding of the role of nutrients in health and disease of allied health workers. The nutrient composition of different foods, specifically the local ones, will be analyzed and the combination of these foods for optimum health will be emphasized.

CONTENT:

Lecture and discussion methodology will be employed. The students will be given references to material pertinent to the topics discussed in lecture. Recent advances and trends in the field of food science and nutrition will be incorporated into the instruction.

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

French, Arabic or Tagalog, Portuguese, English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

French, Arabic or Tagalog, Portuguese

INSTITUTION CONTACT:

Name: Anahid Crecelius

Title: Professor

Telephone: (714) 598-4161

North Carolina State University
Institution

Agricultural Extension Service
Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: FOODS AND NUTRITION

Maximum possible enrollment: no ceiling
Cost: noegotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update home economics professionals, particularly extension agents, on specific topics in foods and nutrition

CONTENT:

Content varies from year to year

FORMAT/FREQUENCY/DURATION

Short course/1 week

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? Yes No

On request

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: T.C. Blalock, Associate Dean
Title: Agriculture and Life Sciences
Telephone: (919) 737-2811

University of Massachusetts
Institution

Address

Amherst, Massachusetts 01003
Zip Code

TITLE OF TRAINING PROGRAM: FOOD SCIENCE AND NUTRITION

Maximum possible enrollment: 20
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

For those with no previous training in food science and nutrition.

CONTENT:

Basic facts and principles of human nutrition. Application of this knowledge to the maintenance of good health and vigor. Contemporary problems in human nutrition.

FORMAT/FREQUENCY/DURATION

6 to 10 weeks. Lectures and seminar approach.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English, French, Spanish, and Arabic

INSTITUTION CONTACT:

Name: Gilbert E. Mottla

Title: Director, International Agricultural Programs

Telephone: (413) 545-1562

Massachusetts Institute of Technology
Institution

77 Massachusetts Avenue
Address

Cambridge, Massachusetts 02140
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL FOOD AND NUTRITION POLICY

Maximum possible enrollment: 15
Cost: varies

OBJECTIVES AND INTENDED AUDIENCE:

Individuals already engaged in or to be involved in LDC food and nutrition programs are given multidisciplinary exposure to relevant subjects in nutrition, public health, economics, political science. Designed principally for UNU World Hunger Programme Fellows; others welcome.

CONTENT:

Program originally designed for each fellow to supplement and complement existing background and experience; courses and supervised research at MIT and Harvard School of Public Health.

FORMAT/FREQUENCY/DURATION

One year minimum; two preferred/individual study program.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Nevin Scrimshaw
Title: Director, INP Program
Telephone: (617) 253-5101

Massachusetts Institute of Technology
Institution

77 Massachusetts Avenue
Address

Cambridge, Massachusetts 02140
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL FOOD PROBLEMS

Maximum possible enrollment: 50 (approximately)
Cost: varies

OBJECTIVES AND INTENDED AUDIENCE:

To familiarize practitioners in field with academic research developments; heavy emphasis on policy aspects

CONTENT:

Case studies of successful nutrition intervention efforts in LDC's; economics of food consumption; politics of food and nutrition programs

FORMAT/FREQUENCY/DURATION

Short course/two weeks, normally 2 3-hour sessions per day

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No Possibly

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. Nevin Scrimshaw

Title: Director, INP Program

Telephone: (617) 253-5101

Virginia Polytechnic Institute and State University
Institution

Address

Blacksburg, Virginia 24061
Zip Code

TITLE OF TRAINING PROGRAM: COMMUNITY AND PUBLIC HEALTH NUTRITION EDUCATION

Maximum possible enrollment: 10
Cost: Prices quoted on demand.

OBJECTIVES AND INTENDED AUDIENCE:

Helping professionals from other countries understand how to plan effective nutrition education programs in developing countries.

CONTENT:

Organization of nutrition education programs to meet local needs, working with other agencies, training volunteers, evaluation, and reorganization. Observation of public and private agencies included.

FORMAT/FREQUENCY/DURATION

Short: course/4 weeks, 6 hours per day

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

Depends on country. VPI & SU has language expertise in a number of languages.

INSTITUTION CONTACT:

Name: Laura Jane Harper, Dean
Title: College of Home Economics
Telephone: (703) 961-6779

PARK MANAGEMENT

The University of Michigan
Institution

School of Natural Resources
Address

Ann Arbor, Michigan 48109
Zip Code

TITLE OF TRAINING PROGRAM: SEMINAR ON NATIONAL PARKS AND EQUIVALENT RESERVES

Maximum possible enrollment: 36

Cost: \$2000.00 plus travel to and from the Seminar

OBJECTIVES AND INTENDED AUDIENCE:

The Seminar on National Parks and Equivalent Reserves is offered by the University of Michigan; the National Park Service, United States Department of the Interior; and Parks Canada, Department of Indian and Northern Affairs with the cooperation of the University of Michigan Extension Service; U.S. Forest Service, U.S. Department of Agriculture; The U.S. Fish and Wildlife Service, U.S. Department of the Interior; and other National and International Conservation Organizations. The purpose of this seminar is to examine policies, administration, planning and other aspects of management of national parks and equivalent reserves. The Seminar is designed for senior administrators, professional personnel and conservation leaders responsible for the establishment and development of park and wild life conservation systems and associated tourist programs throughout the world.

CONTENT:

Field operations and facilities will be studied during the travel portions of the seminar. Policies and programs of North American parks will be related to those of national parks in other countries.

FORMAT/FREQUENCY/DURATION

This four-week traveling seminar is offered once a year during the summer.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Tom D. Thomas, Director

Title: International Seminar on National Parks and Equivalent Reserves

Telephone: (313) 763-4029

PEST MANAGEMENT

North Carolina State University
Institution

Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: AGRICULTURAL CHEMICALS SCHOOL

Maximum possible enrollment: no ceiling
Cost: negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in the use of chemicals for efficient control of agricultural pests

CONTENT:

Specific content available on request

FORMAT/FREQUENCY/DURATION

Short course/varies in length from one day to two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: E. W. Glazener

Title: Associate Dean and Director of Academic Affairs

Telephone: (919) 737-2615

California State Polytechnic University
Institution
School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: PEST MANAGEMENT

Maximum possible enrollment: 40
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

The course is designed for persons with an understanding of agriculture. The information presented will provide the basis for understanding many of the concepts used in controlling insect pests in agricultural crops.

CONTENT:

Concepts of pest management which include selective use and placement of pesticides, plant resistance, cultural and mechanical control, chemical and radiation sterilization, and the use of antimetabolites, hormones, pheromones, attractants, and repellants. Selected combinations of these approaches will be discussed. Current applications of these methods will be included.

FORMAT/FREQUENCY/DURATION

6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English and Spanish

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

Spanish

INSTITUTION CONTACT:

Name: Dr. Gregory J. Partida

Title: Associate Professor

Telephone: (714) 598-4108

North Carolina State University
Institution

Address

Raleigh, North Carolina 27650
Zip Code

TITLE OF TRAINING PROGRAM: PEST CONTROL TECHNICIANS' SCHOOL

Maximum possible enrollment:

Cost:

OBJECTIVES AND INTENDED AUDIENCE:

Techniques of pest control for technicians already employed in the field

CONTENT:

Specific course descriptions available on request

FORMAT/FREQUENCY/DURATION

Short course/varies in length from one day to two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: E. W. Glazener

Title: Associate Dean and Director of Academic Affairs

Telephone: (919) 737-2615

PLANT PATHOLOGY

PLANT SCIENCE

University of Massachusetts
Institution

Address

Amherst, Massachusetts 01003
Zip Code

TITLE OF TRAINING PROGRAM: PLANT AND SOIL SCIENCES

Maximum possible enrollment: 20
Cost: \$200.00

OBJECTIVES AND INTENDED AUDIENCE:

For students with no previous training in plant and soil sciences.

CONTENT:

Basic principles of plant nutrition and culture, soil fertility and management by organic methods, biological and natural control of insect pests, weeds and plant diseases, variety selection, and alternative chemical methods.

FORMAT/FREQUENCY/DURATION

Lectures, seminar and field studies. 6 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Gilbert E. Mottla

Title: Director, International Agricultural Programs

Telephone: (413) 545-1562

POULTRY SCIENCE

University of Florida
Institution

International Programs
Address

Gainesville, Florida 32611
Zip Code

TITLE OF TRAINING PROGRAM: POULTRY PRODUCTION AND MANAGEMENT

Maximum possible enrollment: 5 - 10
Cost: Same as AID costs

OBJECTIVES AND INTENDED AUDIENCE:

To study problems in poultry production and management.

CONTENT:

Lectures, seminars, field trips, laboratory.

FORMAT/FREQUENCY/DURATION

This is a portion of a major contract, and different numbers of participants will be coming for different periods of time.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Hugh Popenoe or Chris Andrew

Title: Office of the Director
International Programs

Telephone: (904) 392-1965

University of Vermont
Institution
College of Agricultur
Morrill Hall
Address

Burlington, Vermont 05405
Zip Code

TITLE OF TRAINING PROGRAM: POULTRY MANAGEMENT

Maximum possible enrollment: variable
Cost: supplied upon request

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in poultry management.

CONTENT:

Currently being revised. Information available upon request.

FORMAT/FREQUENCY/DURATION

Short course or intensive workshop/3 - 14 days

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: William H. Kelly, Associate Dean

Title: Resident Instruction

Telephone: (802) 656-2981

California State Polytechnic University
Institution
School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: BROILER PRODUCTION AND MARKETING

Maximum possible enrollment: 15
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To apply the principles of modern poultry production to the family broiler production unit in the LDC's, and to provide practical experience in hatching, brooding, feeding, and processing of broilers. This program is intended to train extension personnel who would work directly with farmers in the LDC.

CONTENT:

Hatching chicks: Incubation requirements (time, temperature, humidity, etc.), building an incubator, sanitation and other factors affecting hatchability. Housing: types, space requirements, equipment (brooders, feeders, etc.). Brooding management: temperature, ventilation, litter, feeding (nutrient requirements, using available feed stuffs). Disease control: common diseases, preventative measures (sanitation and isolation, vaccines and other medications), treatment. Processing and marketing: drawing and dressing the broiler, sanitation and cooling during processing, quality factors, storage, determining the market, determining the cost of production, processing and marketing.

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name:	Dr. E. A. Cogger	Dr. Allen C. Christensen
Title:	Assistant Professor, Animal Science	Associate Dean
Telephone: (714)	598-4136	(714) 598-4101

California State Polytechnic University

Institution

School of Agriculture

3801 West Temple Avenue

Address

Pomona, California

91768

Zip Code

TITLE OF TRAINING PROGRAM: EGG PRODUCTION AND MARKETING

Maximum possible enrollment: 15

Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

To apply the principles of modern poultry production to the family egg production unit in the LDC's. To provide practical hands-on experience in the various skills necessary for egg production and processing: e.g., brooding, feeding, candling, etc.

CONTENT:

Hatching chicks: incubation requirements (time, temperature, humidity, etc.), building an incubator, sanitation and other factors affecting hatchability. Breed and strain selection: types (advantages and disadvantages), breeders. Housing: types and systems, space requirements, equipment. Brooding and growing management: nutrition (requirements, using available feedstuffs), lighting, temperature, ventilation, and other environmental factors. Laying management: the laying cycle, nutrition and feeding (requirements, using available feedstuffs), lighting and other environmental factors, force molting. Disease control: common diseases, preventative measures (sanitation and isolation, vaccines and other medications), treatment. Processing and marketing: quality factors: egg candling, quality preservation, marketing strategies, determining cost of production, processing, and marketing.

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. Allen C. Christensen

Dr. Edward Cogger

Title: Associate Dean

Assistant Professor, Animal Science

Telephone: (714) 598-4101

(714) 598-4136

RANGE MANAGEMENT

California State Polytechnic University
Institution

School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
 Zip Code

TITLE OF TRAINING PROGRAM: RANGE MANAGEMENT

Maximum possible enrollment: 25
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

Overview of principles of range management with emphasis on specific management practices which increase range livestock production on a sustained basis. Development of skills for identifying range plants.

CONTENT:

Soil and plant characteristics of rangelands. Management practices used to maintain range resources and to increase production of forage and livestock. Development of skills to identify range plants, with emphasis on grass identification.

FORMAT/FREQUENCY/DURATION

6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English and Spanish

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

Spanish

INSTITUTION CONTACT:

Name: Margarita Mondrus-Engle

Title: Assistant Professor

Telephone: (714) 598-4112; 598-0204

REMOTE SENSING

Oregon State University

Institution

School of Forestry

Address

Corvallis, Oregon

97331

Zip Code

TITLE OF TRAINING PROGRAM: AERIAL PHOTO/REMOTE SENSING IN FORESTRY

Maximum possible enrollment: 40

Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

Intended to provide up-to-date information to forestry professionals

CONTENT:

Details of course content available on request.

FORMAT/FREQUENCY/DURATION

One month/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Carl H. Stoltenberg, Dean

Title: School of Forestry

Telephone: (503) 754-2221

Alabama A & M University
Institution

Alabama Center for the Application of Remote Sensing
Address

Huntsville, Alabama
Zip Code

TITLE OF TRAINING PROGRAM: REMOTE SENSING TECHNOLOGY AND APPLICATION

Maximum possible enrollment: 25
Cost: \$100.00 plus lodging

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed for anyone needing information about the resources of the earth, in particular for professionals in agriculture, forestry, hydrology, mineral exploration, and land use management. It seeks to assist and promote the use of remote sensing technology--the science of acquiring information about distant objects without coming into physical contact with them.

CONTENT:

The course content is divided into two parts: core material taken by all participants and optional units designed to allow the participants to tailor the course to their professional needs.

Core Materials: Introduction to and background of remote sensing; multispectral scanning system; spatial characteristics of earth surface features, pattern recognition applied to remote sensing; LANDSAT data analysis workshop

Optional Material: Remote sensing application - Forestry, Geology, Crop Surveys, Water (two required); interpretation of multi-spectral scanner imagery; spectral reflectance characteristics of vegetation

FORMAT/FREQUENCY/DURATION

Short course/annual/8 hours a day for one week

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Johnny Harris, Director

Title: Division of Evening Studies

Telephone: ()

RESOURCE ECONOMICS

University of Wisconsin-River Falls
Institution

Address

River Falls, Wisconsin 54022
Zip Code

TITLE OF TRAINING PROGRAM: ECONOMICS OF ENVIRONMENTAL USE

Maximum possible enrollment: 25
Cost: \$275.00

OBJECTIVES AND INTENDED AUDIENCE:

Intended for extension workers, teachers, and resource managers, this course emphasizes that environmental quality problems associated with natural resource use are generally symptoms of man's actions generated by underlying institutional arrangements.

CONTENT:

Underlying causes and complexities of environmental quality problems, estimated costs and benefits of environmental improvements, efficiency and equity implications regarding alternative approaches to environmental improvements, and the relationship between economic growth and environmental deterioration.

FORMAT/FREQUENCY/DURATION

Offered in the summer on an annual basis or on demand/two weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. J.C. Dollahon
Title: Dean, College of Agriculture
Telephone: (715) 425-3841

SEED TECHNOLOGY

Rutgers University
Institution
Cook College
Department of Horticulture and Forestry
Address
P. O. Box 231
New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: SEED MULTIPLICATION, STORAGE AND DISTRIBUTION SYSTEMS FOR DEVELOPING COUNTRIES
Maximum possible enrollment: 30 students per session
Cost: supplied on request

OBJECTIVES AND INTENDED AUDIENCE:

To introduce the principles of practical seed multiplication, storage and distribution (appropriate technology) to agricultural technologists working in developing countries. This would include American technologists assigned to LDC's and host nationals.

CONTENT:

Importance of reliable seed; botany of flower and seed formation; environmental effects on seed production; physical limitations (soil, water, climate, disease, insects, weeds); production practices and cultural requirements of seed crop; isolation and rouging; crop rotation, harvesting, seed cleaning, drying and processing; seed protection from storage pests; storage procedures and environmental control; seed testing and certification; distribution (packaging, delivery).

FORMAT/FREQUENCY/DURATION

Two times/year - 3-4 week duration depending upon location

LANGUAGES OF INSTRUCTION IN U.S.:

English or French

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

French, English

INSTITUTION CONTACT:

Name: B. L. Pollack E. McAvoy
Title: Professor of Horticulture Assistant Instructor in Horticulture
Telephone: (201) 932-9711

SOILS

U.S. Department of Agriculture
Institution

OICD/ITD, Room 3548-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 120-5, SOIL FERTILITY AND RELATIONSHIPS AFFECTING
FOOD PRODUCTION

Maximum possible enrollment: 25

Cost: \$2500.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to give the participants the opportunity to learn about the development, operation, and interpretation of soil testing and fertility programs as applied to acid, neutral, and calcareous soils in humid and arid climates.

The participants should have the equivalent of a B.S. degree in Soil Science and be involved in soil fertility or soil and plant science research or production programs.

CONTENT:

Course topics include: (1) taking soil samples and accumulating necessary information concerning cropping and fertilizer history; (2) conducting laboratory analysis to develop written recommendations; (3) organization and operation of a laboratory: equipment, chemicals, and records necessary for analysis of soil and plant tissue tests; (4) recommended amount of fertilizers needed to meet nutritive requirements of specific plants, and (5) soil and water conservation, relationship of soils/water, fertility, soil and water management practices.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/10 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English and Spanish

INSTITUTION CONTACT:

Name: Eugene Doll

Title: Program Specialist

Telephone: (202) 447-4300

University of Vermont
Institution
College of Agriculture
Morrill Hall
Address

Burlington, Vermont 05405
Zip Code

TITLE OF TRAINING PROGRAM: SOIL MANAGEMENT

Maximum possible enrollment: variable
Cost: supplied upon request

OBJECTIVES AND INTENDED AUDIENCE:

To update agriculture professionals in soil management.

CONTENT:

Currently being revised. Information available upon request.

FORMAT/FREQUENCY/DURATION

Short course or intensive workshop/3 - 14 days

LANGUAGES OF INSTRUCTION IN U.S.:

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

INSTITUTION CONTACT:

Name: William H. Kelly, Associate Dean

Title: Resident Instruction

Telephone: (802) 656-2981

STATISTICS

University of Massachusetts
Institution

Address

Amherst, Massachusetts 01003

Zip Code

TITLE OF TRAINING PROGRAM: ELEMENTARY STATISTICS

Maximum possible enrollment: 20

Cost:

OBJECTIVES AND INTENDED AUDIENCE:

For students who intend to use statistics as a research tool but do not have a background in calculus.

CONTENT:

Selected topics in elementary probability and statistics; models for chance experiments, conditional probabilities; averages and standard deviation, random sampling, binomial and normal distribution, regressions and statistical inferences.

FORMAT/FREQUENCY/DURATION

6 weeks/ Lectures, laboratory exercises.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? x Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Gilbert E. Mottla

Title: Director, International Agricultural Programs

Telephone: (413) 545-1562

New Mexico State University
Institution

Agriculture and Home Economics
Address

Las Cruces, New Mexico 88003
Zip Code

TITLE OF TRAINING PROGRAM: BASIC STATISTICS WITH EMPHASIS ON AGRICULTURAL
STATISTICS

Maximum possible enrollment: 20

Cost: \$13,000.00 for the complete program

OBJECTIVES AND INTENDED AUDIENCE:

This course is designed to provide training in basic statistics with emphasis on some of the latest techniques in agricultural sampling and survey operations. It is presented in the U.S. for non-English, Spanish-speaking, working statisticians who cannot spare time from their duties to learn English or who cannot be away from their responsibilities for a long period of time.

CONTENT:

Basic statistics including methods of data presentation, measures of central tendency and dispersion, frequency distributions, probability, hypothesis testing, linear regression and correlation.

Sampling theory, types of samples and application to agricultural surveys.

Area sampling to include frame construction, sample design and selection, expansion of data and variance estimates.

FORMAT/FREQUENCY/DURATION

This ten-week course is offered each summer. It is supported by USAID.

LANGUAGES OF INSTRUCTION IN U.S.:

Spanish

AVAILABLE OVERSEAS? Yes X* No

*Could be made available in Latin America

If yes, in what languages?

INSTITUTION CONTACT:

Name: Harold R. Matteson, Director

Title: Center for International Programs

Telephone: (505) 646-4735

Pennsylvania State University
Institution

Address

University Park, Pennsylvania 16802
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL STATISTICAL TRAINING PROGRAM ON
AGRICULTURAL STATISTICS AND CENSUSES

Maximum possible enrollment: 85

Cost: Cost reimbursement from AID

OBJECTIVES AND INTENDED AUDIENCE:

To provide statistical training and census accumulation methodology for selected
representatives of foreign government

CONTENT:

FORMAT/FREQUENCY/DURATION

11-month program - 3 weeks of practical training in central Pennsylvania.

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: William P. Sipple

Title: Director, Correspondence and Short courses

Telephone: (814) 865-8301

VEGETABLE CULTURE

~~California State Polytechnic University~~
Institution
School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: VEGETABLE CROPS AND TISSUE CULTURE

Maximum possible enrollment: 12
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

A short course designed for the equivalent of college juniors, seniors, and/or graduate students.

CONTENT:

A study of some of the techniques and problems associated with the tissue culture and clonal propagation of some vegetables. This involves an examination of: plant organ isolation techniques, selection of appropriate growth media and post organ isolation growing conditions. Lectures concerned with plant growth regulation and plant morphogenesis accompany the labs.

FORMAT/FREQUENCY/DURATION

4-6 weeks/short course

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English

INSTITUTION CONTACT:

Name: Dr. Charles Asbell

Title: Lecturer

Telephone: (714) 598-4043

Rutgers University
Institution
Cook College
P.O. Box 231
Address

New Brunswick, New Jersey 08903
Zip Code

TITLE OF TRAINING PROGRAM: SMALL FARM VEGETABLE PRODUCTION

Maximum possible enrollment: 30 students
Cost: \$1500.00 - \$2500.00

OBJECTIVES AND INTENDED AUDIENCE:

This short course is intended to train unskilled people in the techniques needed to product vegetables in developing countries in any region of the world.

CONTENT:

Soils, water, fertilizer, cultural procedures, seed varieties, pest control, and seed production, maintenance and distribution.

FORMAT/FREQUENCY/DURATION

4 weeks - 1 week of classroom theory - 3 week practicum

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No

If yes, in what languages?

English, French

INSTITUTION CONTACT:

Name: B.L. Pollack, Chairman
Title: Department of Horticulture & Forestry
Telephone: (201) 932-9711

WATER MANAGEMENT

U.S. Department of Agriculture
Institution

OICD/ITD, Room 3546-South Building
Address

Washington, D.C. 20250
Zip Code

TITLE OF TRAINING PROGRAM: TC 120-8, DEVELOPMENT AND MANAGEMENT OF WATER RESOURCES

Maximum possible enrollment: 25

Cost: \$1500.00 training fee

OBJECTIVES AND INTENDED AUDIENCE:

To provide participants with knowledge and skills necessary for the effective development, utilization and management of water resources for increased agricultural production in arid and semi-arid areas.

This course is designed for forest - watershed - agriculture - water service personnel with a B.S. or M.S. in forestry, agriculture, or water-related background.

CONTENT:

Course includes lectures, group discussions and interactions, practical exercises, problem solving and field trips to provide: (1) insights into management alternatives and strategies for effective use and development of watersheds and water resources; (2) development of working knowledge of current and "state of the art" techniques and methodologies in watershed and water resources development; (3) better understanding of the causative factors of the mismanagement and abusive use of the watershed and water resources; (4) knowledge needed for developing a nationally integrated water use and management policy and program.

FORMAT/FREQUENCY/DURATION

Seminar, workshop, field visits/annually/6 weeks

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes No *In 1980 and after

If yes, in what languages?

English, Spanish, French, and Arabic

INSTITUTION CONTACT:

Name: Richard Affleck

Title: Program Specialist

Telephone: (202) 447-5632

California State Polytechnic University
Institution

School of Agriculture
3801 West Temple Avenue
Address

Pomona, California 91768
Zip Code

TITLE OF TRAINING PROGRAM: SURFACE AND GROUND WATER HYDROLOGY

Maximum possible enrollment: 25
Cost: Negotiable

OBJECTIVES AND INTENDED AUDIENCE:

- 1) To learn how the water circulates on the earth
- 2) To learn storm characteristics
- 3) To learn how to estimate various types of runoff volume
- 4) To learn groundwater flow characteristics and their contribution to the groundwater storage
- 5) To learn groundwater utilization

High school graduates or college-level participants

CONTENT:

- 1) The nature of water cycling processes
- 2) Rainfall characteristics
- 3) Runoff estimate
- 4) Storm frequency analysis
- 5) Flood routing
- 6) Estimates of groundwater storage
- 7) Groundwater hydraulics

FORMAT/FREQUENCY/DURATION

4-6 weeks, short course

LANGUAGES OF INSTRUCTION IN U.S.:

English, Mandarin Chinese, Japanese

AVAILABLE OVERSEAS? X Yes No

If yes, in what languages?

English, Mandarin Chinese, Japanese

INSTITUTION CONTACT:

Name: Dr. Joe Y. T. Hung
Title: Professor, Agricultural Engineering
Telephone: (714) 598-4124

Colorado State University
Institution

Address

Ft. Collins, Colorado 80523
Zip Code

TITLE OF TRAINING PROGRAM: INTERNATIONAL SCHOOL OF WATER RESOURCES

Maximum possible enrollment: No limit
Cost:

OBJECTIVES AND INTENDED AUDIENCE:

Special courses and regular courses are made available to professionals in any area of water resources to help them upgrade their professional capabilities. Each student is free to choose the courses and areas of study he or she desires in the areas of watershed management, systems analysis, water management, irrigation, ground water hydrology, etc.

CONTENT:

See above

FORMAT/FREQUENCY/DURATION

Seminars, regular courses, and special studies/continuous

LANGUAGES OF INSTRUCTION IN U.S.:

English

AVAILABLE OVERSEAS? Yes X No

If yes, in what languages?

INSTITUTION CONTACT:

Name: Dr. Warren Hall, Director

Title: International School of Water Resources

Telephone: (303) 491-5247