Directory of Educational and Training Opportunities in Fisheries and Aquaculture

Fisheries Department
Food and Agriculture Organization of the United Nations
Rome, Italy

ICLARM
International Center for Living Aquatic Resources Management
Manila, Philippines
Directory of Educational and Training Opportunities in Fisheries and Aquaculture

1989

compiled by
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Fisheries Department
Food and Agriculture Organization of the United Nations
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International Center for Living Aquatic Resources Management
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Introduction

The information herein was the result of a recommendation by the Advisory Committee on Marine Resources Research (ACMRR) and subsequent sponsorship by the Fisheries Department of FAO, to update the listing of institutions in the "Education and Training" issue of the ICLARM Newsletter, October 1982.

ICLARM began an intense collecting effort followed by a simple questionnaire survey of over 600 institutions around the world. Subsequently a list of 316 known institutions carrying out regular educational or training activities was published, in rather small print and in abbreviated form, in the October 1986 issue of Naga, the ICLARM Quarterly (which replaced the ICLARM Newsletter). The full database was made available on computer diskette.

Many letters, containing misplaced questionnaires, corrections or advice of new courses were subsequently received. It was then felt that a full and updated directory was warranted. Again FAO provided encouragement and financial support.

The present list includes some 427 institutions that provide regular educational or training courses in fisheries and/or aquaculture. Institutions providing "one-off" courses only are excluded, but those willing to provide short courses or individual training on request are included.

Advice as to whether or not other developing-country students are eligible is also included where known.

The listing is also available from ICLARM as a dBase III data file on 5-1/4" diskette (IBM®-compatible) for US$10 to cover expenses. (Send a $ check from a USA-branch of your bank.)

JAY L. MACLEAN
Director
Information Program
ICLARM
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INSTITUT OCEANOGRAPHIQUE D’ALGER
Jettee Nord, Algeria
PROGRAMS: Fisheries - BS
SHORT COURSES: Occasional undergraduate courses in fisheries, marine science, hydrobiology or related specialized programs
LANGUAGE: French
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF CAIRO
Hydrobiological Institute
AAtaqa, Egypt
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST: Offers undergraduate courses in fisheries, marine sciences, hydrobiology or related specialized programs, such as: zoology, fish biology, general biological oceanography, ecology, plankton, physiology, algae, etc.
LANGUAGE: Arabic

UNIVERSITY OF CAIRO
Institute of Oceanography and Fisheries
Cairo, Egypt
PROGRAMS: Fisheries - BS
SHORT COURSES:

UNIVERSITE D’ABIDJAN
Laboratoire de Biologie Marine
B.P. 4322, Abidjan, Côte d’Ivoire
PROGRAMS: Fisheries - BS
SHORT COURSES: Occasional courses in fisheries, marine science, hydrobiology or related specialized programs, such as fishing gear and methods, general oceanography, ichthyology, plankton, fish conservation, etc.
LANGUAGE: French

INSTITUTE OF OCEANOGRAPHY AND FISHERIES
Council of Scientific Research
AI-Ghardaqa, Red Sea, Egypt
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST: Offers undergraduate courses in fisheries, marine sciences, hydrobiology or related specialized programs, such as general freshwater biology, coral problems and biology, embryology of marine invertebrates, etc.
LANGUAGE: Arabic
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF GHANA
Department of Zoology
P.O. Box 67, Legon, Ghana
CONTACT PERSONS: C.J. Vanderpuye; Chris Gordon
PROGRAMS: Aquaculture - BS, MS
Fisheries - BS, MS, PhD
Gen. Courses - BS
FIELDS OF INTEREST: For BS - General Fisheries; For MS - Freshwater Biology; Marine Biology
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF ALEXANDRIA
Department of Oceanography, Faculty of Science
Moharrom Bay, Alexandria, Egypt
PROGRAMS: Fisheries - MS
FIELDS OF INTEREST: Offers graduate courses in fish biology, population dynamics, fishery resource development, marine aquaculture, biometrics, biological, chemical, physical, geological, general oceanography, etc.
SHORT COURSES: Occasional courses on fish biology, population dynamics, fishing gear and methods, freshwater aquaculture, ichthyology, limnology, brackishwater ecology, etc.
FIELDS OF INTEREST:
- Higher degree aquaculture research;
- Aquaculture training for extension personnel

LANGUAGE: English

NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

KENYATTA UNIVERSITY COLLEGE
Kenya
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
- Offers undergraduate courses in aquatic ecology.

LIMURU GIRLS SCHOOL
Nairobi, Kenya
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST:
- The school has included a component on aquaculture as part of an agricultural training course. The training is at school leavers level in preparation for higher diploma studies.

NAIVASHA WILDLIFE AND FISHERIES TRAINING INSTITUTE
P.O. Box 842, Naivasha, Kenya
CONTACT PERSON: Fred N. Pertet, Principal
PROGRAMS: Aquaculture - Diploma, Certificate
FIELDS OF INTEREST:
- Offers 1-year Diploma Courses in Fisheries Management and Aquaculture; Fishing Gear Technology; and 2-year Certificate Courses in Fisheries Management and Technology; Fishing, and Boat Building.

SHORT COURSES:
- Induction Course for Graduates (3 months); Fish Scouts Course (6 months); Refresher Course (3 months)

LANGUAGE: English

NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF NAIROBI
Hydrobiology Group, Department of Zoology
P.O. Box 30197, Nairobi, Kenya
CONTACT PERSONS: Prof. Kinoti, Dr. V. Jaccarini
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
- Offers 1-year MS Hydrobiology program and BS in Aquatic Ecology (freshwater/saltwater biology and fisheries, plus aquaculture). BS and BEd degrees in zoology; courses include: fundamentals of physio-chemical nature, ichthyology, fisheries biology, and aquaculture topics.

NATIONAL CENTRE OF OCEANOGRAPHIC RESEARCHES
BP 68 (207) Nosy-Be, Democratic Republic of Madagascar
CONTACT PERSON: Dr. Ralison Andrianirina
PROGRAMS: Fisheries - HS, MS
SHORT COURSES:
- Studies of shrimps; biology

LANGUAGE: French

NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

BUNDA AGRICULTURAL COLLEGE
Malambo
PROGRAMS: Gen. Courses - Diploma
FIELDS OF INTEREST:
- Fisheries (fish farming with practicals) is included in the biology section of the 3-year livestock production course (under agriculture diploma and degree programs).

CHILWA TRAINING CENTRE
Kachulu, Malawi
FIELDS OF INTEREST:
- Offers field courses to fishermen on shallow water fisheries techniques. Collaborates with Mpwepewe Fisheries Training Center in offering field experience to extension assistant trainees. Stations in Lower Shire River used for river and marsh fisheries.

SHORT COURSES:
- Field courses on shallow water fisheries techniques

MPWEPWE FISHERIES TRAINING CENTER
Mpwepe, Malawi
PROGRAMS: Fisheries - vocational/technical
Gen. Courses - vocational/technical
FIELDS OF INTEREST:
- Offers training for technical or extension assistants (2 years) and senior level training (3 years) on fishing, mechanical practice and boat building.

SHORT COURSES:
- conducts vocational training (1 - 6 weeks) on fishing, mechanical practice, and boat building. Also conducts short courses (1 week - 3 months) about 19 times in a year.

NATIONAL RESOURCES COLLEGE
Lilongwe, Malawi
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST:
- Offers 2-year courses in fisheries. Fisheries Assistant's course includes: fisheries statistics, navigation, fisheries legislation, business management, fish marketing, fishing methods, fish culture, gear technology, fish handling and processing, etc.

INSTITUT SCIENTIFIQUE CHERIFIEN
Avenue Blainay, Rabat, Morocco
FIELDS OF INTEREST:
- Fisheries and related fields
SHORT COURSES:

Occasional courses in fisheries, marine science, hydrobiology or related specialized programs, such as general biological oceanography (marine biology), general freshwater biology (limnology).

LANGUAGE: Arabic, French

AFRICAN REGIONAL CENTRE FOR AQUACULTURE (ARAC)
Port Harcourt, Rivers State, Nigeria

PROGRAMS: Aquaculture - Diploma Course
FIELDS OF INTEREST:
One-year multidisciplinary training for senior aquaculturists covering all essential aspects of aquaculture, including site selection, construction of facilities, breeding and rearing of cultivable organisms, postharvest technology, etc.

LANGUAGE: English, French
NOTES: Accepts applicants from developing countries.

RIVERS STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
PMB 5080 Port-Harcourt, Nigeria

PROGRAMS:
- Aquaculture - MS
- Fisheries - MS

LANGUAGE: English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

AGRICULTURAL TECHNICAL COLLEGE AT MAKALI
Sierra Leone

FIELDS OF INTEREST:
Fish Farming Program

MAKALI FISH CULTURE STATION
Sierra Leone

SHORT COURSES:
Stages workshops to introduce new technology to fish farmers. Program includes: pond construction, water and species recognition, pond management, harvesting, economics, basic maintenance, surveying, marketing, statistics, extension principles.

UNIVERSITY OF SIERRA LEONE
Institute of Marine Biology and Oceanography
Fourah Bay College, P.M.B., Freetown, Sierra Leone

CONTACT PERSON: Dr. D.E.B. Chaytor
PROGRAMS: Fisheries - Diploma Course
FIELDS OF INTEREST:
Three-year Diploma Course In Aquatic Biology and Fisheries (offers courses on principles of fish culture, covering design, species, stocking, feeding, diseases, economics). Also offers Diploma Course in Marine Biology.

KUNDUCHI FISHERIES INSTITUTE
Dar Es-Salaam, Tanzania

PROGRAMS: Fisheries - Diploma Course

FIELDS OF INTEREST:
Two-year Diploma Course In Fisheries includes courses and practicum in aspects of aquaculture and mariculture. Courses in: fisheries biology, management and administration, fish technology, marine engineering and nautical science. Nine-month Postgraduate Diploma being planned.

MBEGANI FISHERIES DEVELOPMENT CENTER
Bagamoyo, Tanzania

PROGRAMS: Fisheries - Diploma Course
FIELDS OF INTEREST:
Three-year Diploma Course in Fisheries Technology. Subjects include: marine engineering, refrigeration, nautical science, processing, marketing, and boat building.

NYEGEZE FRESHWATER FISHERIES INSTITUTE
Nyegзи, P.O. Box 1213, Mwanza, Tanzania

FIELDS OF INTEREST:
Fish utilization technology, fish quality control, fishing, fishery biology, training, aquaculture

NOTES: Accepts applicants from developing countries.

UNIVERSITY OF DAR ES-SALAAM
Institute of Marine Sciences
P.O. Box 668, Zanzibar, Tanzania

CONTACT PERSON: A.S. Msangl
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
The 3-year BS and 1-year MS Marine Biology curricula include a 10-week aquaculture course. MS in Oceanography is also offered. Research interests: biological, physical, chemical and geological oceanography, as well as fisheries.

INST. NAT. SCIEN. ET TECH. D' OCEANOGRAPHIE ET DE PECHE
l'INSTOP, Min. de l'Agric.
Salambo, Tunisia

PROGRAMS: Gen. Courses - graduate
FIELDS OF INTEREST:
Graduate courses offered include: fish biology, population dynamics (fishery sciences), fishing gear and methods, fishery resources development, marine and freshwater aquaculture, ichthyology, marine biology, etc.

LANGUAGE: Arabic
UNIVERSITY OF HARARE
Zimbabwe
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
Offers BS courses in hydrobiology, fish ecology and ichthyology. There is an MS in Tropical Ecology with fish-related topics and a few PhD studies touch on aquaculture.

SHORT COURSES:
The Agriculture Department undertakes short sessions in fish culture.
BANGLADESH AGRICULTURE UNIVERSITY
Fishery Faculty
Mymensingh, Bangladesh
PROGRAMS: Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
BS, MS and PhD in Fisheries with subjects in: fisheries biology and limnology, aquaculture and management, fisheries technology
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MARINE FISHERIES ACADEMY
Fish Harbour Complex, P.O. Fish Harbour
Chittagong, Bangladesh
PROGRAMS: Fisheries - Certificate Course
FIELDS OF INTEREST:
Marine Fisheries Studies covers: engineering, navigation, fish processing, gear technology, electrical engineering, refrigeration engineering.
LANGUAGE: English
NOTES: Does not accept applicants from other developing countries.

UNIVERSITY OF CHITTAGONG
Institute of Marine Sciences
T.O. Hathazari, District Chittagong
Chittagong, Bangladesh
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
Marine sciences: ichthyology, mariculture, fishery management, oceanography, marine pollution, applied fisheries, fisheries microbiology, etc.
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

FISHERIES DEPARTMENT
Ministry of Development
P.O. Box 2161, Bandar Seri Begawan
Negara Brunei Darussalam
CONTACT PERSON: Selvanathan Subramaniam
SHORT COURSES:
In-house training courses in aquaculture and fisheries, for staff; and short courses in fishing gear technology and navigation for local trawler skippers. (Facilities and training capability are very limited.)
NOTES: Does not accept applicants from other developing countries.

DEPARTMENT OF FISHERIES
P.O. Box 312, Rangoon, Burma
CONTACT PERSON: U Hia Win, Assistant Director
SHORT COURSES:
Aquaculture
LANGUAGE: Burmese

MOULMEIN MARINE SCIENCE COLLEGE
Moulmein, Mon State, Burma
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
BS Program In Marine Science; aquaculture is taught as part of fisheries courses.

UNIVERSITY OF MOULMEIN
Department of Marine Science
Moulmein, 12012, Burma
CONTACT PERSON: Dr. Swe Thwin
PROGRAMS: Aquaculture - BS, MS
FIELDS OF INTEREST:
Fisheries - BS, MS
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; does not accept applicants from other developing countries.

ACADEMIA SINICA
Institute of Oceanology
7 Nan-Hai Road, Tsingtao (Qingdao), China
CONTACT PERSON: Zheng Chengwel
PROGRAMS: Aquaculture - MS
SHORT COURSES:
Artificial Propagation of Marine Fish
LANGUAGE: Chinese
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

ACADEMIA SINICA
Kunming Institute of Zoology
Kunming, Yunnan, China
CONTACT PERSON: Prof. Xin-Luo Chu
SHORT COURSES:
Acclimation of Neosalarias thalassius in Dianchi Lake, China, to increase fish production
LANGUAGE: Chinese, English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

AMOY FISHERIES COLLEGE
Division of Education, Bureau of Aquatic Products
MAAF, Beijing, China
CONTACT PERSON: Madame Zhang Ming
PROGRAMS: Aquaculture - BS
FIELDS OF INTEREST:
Fisheries - vocational, BS
SHORT COURSES:
Fisheries Management
LANGUAGE: Chinese
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

ASIA-PACIFIC RESEARCH AND TRAINING CENTER FOR INTEGRATED FISHERIES FARMING
Wuxi, Jiangsu Province, China
CONTACT PERSON: Hu Bao-Tong, Deputy Director
FIELDS OF INTEREST:
Also known as the 'Wuxi Fish Center,' the center conducts training programs (about
SHORT COURSES: Four-month courses on integrated fishery production
LANGUAGE: Chinese, English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

CENTRAL CHINA AGRICULTURE COLLEGE
Department of Aquaculture
Wuhan, China
PROGRAMS: Aquaculture - BS
Fisheries - BS

DALIAN FISHERIES COLLEGE
Division of Education, Bureau of Aquatic Products
MAAF, Beijing, China
CONTACT PERSON: Madame Zhang Ming
PROGRAMS: Aquaculture - BS, MS
Fisheries - vocational, BS, MS
Gen. Courses - BS, MS
SHORT COURSES: Fisheries Management
LANGUAGE: Chinese
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

HAUZHONG AGRICULTURAL UNIVERSITY
Department of Fisheries
Wuhan, China
CONTACT PERSON: Dr. Ger Gou-Chang
PROGRAMS: Aquaculture - BS
Fisheries - BS
GEN. COURSES - BS

PEARL RIVER FISHERIES RESEARCH INSTITUTE
Guang Zhou, China
PROGRAMS: Aquaculture - HS, vocational
FIELDS OF INTEREST: Chinese carp (culture, propagation, disease control)
SHORT COURSES: Artificial Propagation and Culture Techniques for Chinese Carps
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

SHANDONG COLLEGE OF OCEANOLOGY
Department of Fisheries
Qingdao, Shandong, China
CONTACT PERSON: Dr. Gei Fou-Chang
PROGRAMS: Aquaculture - HS, MS, PhD
SHORT COURSES: Finfish Culture (trout, tilapia, carps); Prawn; Shellfish

SHANGHAI FISHERIES UNIVERSITY
334 Jungong Road, Shanghai, China
CONTACT PERSON: Li Sifa
PROGRAMS: Aquaculture - BS, MS
Fisheries - BS
SHORT COURSES: Reservoir and/or Lake Fish Culture; Fisheries Biology and/or Ecology; Fisheries Statistics and Experimental Design
LANGUAGE: Chinese, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

SOUTH CHINA NORMAL UNIVERSITY
77103 Guangzhou, China
PROGRAMS: Aquaculture - MS
FIELDS OF INTEREST: Aquaculture
SHORT COURSES: Pond Culture; Propagation of Cultured Fishes; Freshwater Fish Biology
LANGUAGE: Chinese, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

TIANJIN AGRICULTURE COLLEGE
Department of Fisheries
China
PROGRAMS: Fisheries - BS

YELLOW SEA FISHERIES RESEARCH INSTITUTE
Chinese Academy of Fishery Sciences
19 Laiyang Rd., Qingdao, China
CONTACT PERSON: Mr. Yu Hongwel, Information Officer
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST: Marine phycoculture; marine animal enhancement
SHORT COURSES: Marine Polyculture System of Gracilaria, Penaeid Shrimp and Tilapia; Polyculture and Rotation Culture Systems of Scallop, Laminaria and Undaria; International Mariculture Training Program
LANGUAGE: Chinese, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

ZHANJIANG FISHERIES COLLEGE
Aquaculture Department
40 Jiefan Road, Xiashan, China
CONTACT PERSON: Ye Fullang
PROGRAMS: Aquaculture - vocational
Fisheries - vocational
FIELDS OF INTEREST: Vocational course on aquaculture
<table>
<thead>
<tr>
<th>Institution</th>
<th>Programs</th>
<th>Fields of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ZHEJIANG FISHERIES COLLEGE</strong></td>
<td>Aquaculture - BS, MS, PhD</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
<tr>
<td><strong>CHINESE UNIVERSITY OF HONGKONG</strong></td>
<td>Gen. Courses - MS, PhD</td>
<td>Studies on fish include: investigations on effects of hormones, diets and environmental factors on growth and intermediary metabolism; researches on the physiology of several species of fish (sea breams and groupers) and penaeid shrimps.</td>
</tr>
<tr>
<td><strong>ANNAMALAI UNIVERSITY</strong></td>
<td>Aquaculture - MS, PhD</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
<tr>
<td><strong>CALCUTTA UNIVERSITY</strong></td>
<td>Aquaculture - Certificate Course</td>
<td>Certificate Course in Inland Fisheries (9 months) Includes: fish culture practices, biology of fishes, soil and water characteristics, etc.</td>
</tr>
<tr>
<td><strong>BANGALORE AGRICULTURE UNIVERSITY</strong></td>
<td>Aquaculture - BS, MS</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
<tr>
<td><strong>CENTRAL INSTITUTE OF FISHERIES EDUCATION (CIFE), AGRA</strong></td>
<td>Fish Physiology</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
<tr>
<td><strong>CENTRAL INSTITUTE OF FISHERIES EDUCATION (CIFE), BOMBAY</strong></td>
<td>Fish Physiology</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
<tr>
<td><strong>CENTRAL INSTITUTE OF FISHERIES EDUCATION (CIFE), BARRACKPORE</strong></td>
<td>Fish Physiology</td>
<td>Biology, Fisheries Management, Larval Rearing and Grow-out of <em>Pinctada margaritifera</em> Culture of Molluscs; Culture of Algae; Freshwater Aquaculture</td>
</tr>
</tbody>
</table>

**语言**: English, Cantonese

- **语言**: English
- **语言**: Cantonese
- **语言**: English
- **语言**: English, Cantonese
- **语言**: English

**备注**: Conducts short courses and individual training on request; accepts applicants from developing countries.
CIFE HYDERABAD
Fisheries Extension Training Centre
India
PROGRAMS: Gen. Courses - postgraduate
FIELDS OF INTEREST:
- Offers 10-month specialized training (postgraduate program).
- Courses include: fish culture, fisheries extension, methods and techniques of fisheries extension for development.

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE (CMFRI)
Center of Advanced Studies in Mariculture
Post Bag 2704, Cochin 682 031, India
CONTACT PERSON: Dr. P.S.B.R. James, Director
PROGRAMS: Aquaculture - MS, PhD
- Gen. Courses - vocational, BS, MS
FIELDS OF INTEREST:
- Mariculture: culture of finfish, crustaceans, molluscs, seaweeds, integrated farming, fish farm engineering technology, management of mariculture farms. (The MS and PhD degrees are awarded by the University of Cochin.)
- Training courses: Prawn Farming, Hatchery Production of Marine Prawn Seed, Seaweed Culture, Farming of Oyster, Pearl Culture, Scuba Diving, Sampling Techniques for Assessment of Marine Fishery Resources, Fishery Resources Assessment.

NOTES: Accepts applicants from developing countries.

CENTRAL POLYTECHNIC
Madras, India
PROGRAMS: Fisheries - Diploma
FIELDS OF INTEREST:
- Three-year Diploma Course in Fisheries Technology and Navigation

NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
School of Marine Sciences
Cochin-682 016, Kerala, South India
CONTACT PERSON: Prof. N. Ravindranatha Menon
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
- Marine biology

NOTES: Conducts short courses on request; accepts applicants from developing countries.

COLEGE OF FISHERIES, COCHIN
Ponangad P.O., Cochin - 682 506, India
CONTACT PERSON: Dr. M.J. Sebastian, Dean
PROGRAMS: Aquaculture - MS
- Fisheries - BS
- Gen. Courses - MS
FIELDS OF INTEREST:
- MS in Aquaculture; BS in Fishery Science; MS in Fishery Biology

NOTES: Accepts applicants from developing countries.

COLEGE OF FISHERIES, MANGALORE
University of Agricultural Sciences
Mathsyangar, Mangalore 575 002, India
CONTACT PERSON: Prof. H.P.C. Shetty
PROGRAMS: Aquaculture - BS, MS, PhD
- Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
- For M.FSc. - Industrial Fishery Technology; Fish Production and Management. For PhD - Fishery Biology; Aquaculture; Aquatic Biology; Fishery Oceanography; Fish Processing Technology

NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

COLEGE OF FISHERIES, RATNAGIRI
Konkan Krishi Vidyapeeth, Ratnagiri - 415 612, India
CONTACT PERSON: N. Sankolli, Associate Dean
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST:
- BS and MS in Fisheries with subjects in fishery technology, fishery biology, fishery hydrography, fishery aquaculture, fishery engineering, fishery resources, economics and statistics

NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
D.A.V. (P.G.) COLLEGE (MEERUT UNIVERSITY)
Fisheries Biology Laboratory, Zoology Department
Muzaffarnagar 251001, India
CONTACT PERSON: Dr. A.P. Tyagi
PROGRAMS: Fisheries - MS, PhD
FIELDS OF INTEREST: Fish and fisheries biology
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

FISHERIES COLLEGE, TUTICORIN
Tuticorin 628 008, Tamil Nadu, India
CONTACT PERSON: Dr. G. Jegatheesan
PROGRAMS: Aquaculture - BS, MS, Fisheries - BS, MS
FIELDS OF INTEREST: Fishery technology, fishery biology/culture, fishery economics, p.g. programmes, fishery environment, languages, basic sciences
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
College of Fisheries
Pant Nagar, Uttar Pradesh, India
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST: Fishery science - covers inland and marine fisheries, fishery technology and related areas.

GUJARAT FISHERIES AQUATIC SCIENCES RESEARCH INSTITUTE
Okha-Port, Gujarat, India
CONTACT PERSON: Niranjan D. Chhaya
SHORT COURSES: One-month programs on the following topics can be arranged: prawn hatchery, seaweed studies, pollution studies, net making, fish processing, etc. (Write to: Commissioner of Fisheries, Gandhinagar, Gujarat State, India.)
LANGUAGE: English
NOTES: Conducts short courses and Individual training on request; accepts applicants from developing countries.

INDIAN INSTITUTE OF TECHNOLOGY
Aquaculture Engineering Section
Department of Agriculture: Engineering
Kharagpur - 721302, India
CONTACT PERSON: Dr. A. Mitra
PROGRAMS: Aquaculture - MS, PhD
FIELDS OF INTEREST: M. Tech program in Aquacultural Engineering, with specialization in planning, design, construction and maintenance of fish farms, including fish and prawn hatchery management and culture techniques; design and operation of fishing crafts, etc.

SHORT COURSES: Fish Farm Construction; Water Management System in Aquacultural Farms
LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

KERALA AGRICULTURE UNIVERSITY
College of Fisheries
Vellanikkara 680654, Trichur, Kerala, India
PROGRAMS: Aquaculture - BS, MS
FIELDS OF INTEREST: BS and MS programs/courses on aquaculture

KONKAN AGRICULTURE UNIVERSITY
College of Fisheries
Dapoli 415712, Ratnagiri, Maharashtra, India
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST: BS Program in Fisheries includes aquaculture as a subject.

LAL BAHADUR SHAHSTI NAUTICAL AND ENGINEERING COLLEGE
Hay Bander Road, Tank Road, P.O., Bombay 400 033, India
SHORT COURSES: Certificate of Competency for Skipper (Fishing) (3 months)
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MANGALORE UNIVERSITY
Department of Postgraduate Studies in Bio-Sciences
Mangalore 575003, India
PROGRAMS: Gen. Courses - MS
LANGUAGE: English
NOTES: Conducts individual training on request.

NATIONAL INSTITUTE OF OCEANOGRAPHY
Dona Paula, Goa 403 004, India
CONTACT PERSON: Dr. H.N. Sadiqude
PROGRAMS: Aquaculture - vocational, MS, PhD
FISHERIES - vocational, MS, PhD
SHORT COURSES: Techniques in Tissue Culture Relevant to Marine Organisms and Biotechnology; Marine Algal Taxonomy
LANGUAGE: English
NOTES: Conducts short courses and Individual training on request; accepts applicants from developing countries.

ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
College of Fisheries
Rangailunda, P.O. Berhampur, Dist. Ganjam, Orissa, India
CONTACT PERSON: Dr. P.C. Thomas, S. Officer
PROGRAMS: Fisheries - BS
**FIELDS OF INTEREST:**
Fishery Science - covers inland and marine fisheries, fishery technology and related subjects.

**LANGUAGE:** English

**NOTES:** Accepts applicants from developing countries.

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**PUNJAB AGRICULTURAL UNIVERSITY**
Department of Zoology
Ludhiana, India

**CONTACT PERSON:** Dr. H.S. Toor

**PROGRAMS:** Fisheries - vocational, BS, MS, PhD
Gen. Courses - HS

**FIELDS OF INTEREST:**
Fish production, aquatic animal biology, fish ecology, limnology

**SHORT COURSES:**
Fish Culture

**LANGUAGE:** English, Punjabi

**NOTES:** Conducts short courses and individual training on request; accepts applicants from developing countries.

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**TAMIL NADU AGRICULTURAL UNIVERSITY**
Fisheries College
Tuticorin 628 003, India

**PROGRAMS:** Fisheries - BS

**FIELDS OF INTEREST:**
BS Fisheries Program includes aquaculture as one of the subjects taught.

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**UNIVERSITY OF KERALA**
Department of Aquatic Biology and Fisheries
Trivandrum 695007, Kerala, India

**CONTACT PERSON:** Prof. P. Natrajan

**PROGRAMS:** Aquaculture - PhD
Fisheries - PhD
Gen. Courses - MS

**FIELDS OF INTEREST:**
MS, PhD programs in Aquatic Biology and Fisheries with specialization in biology, ecology, aquaculture, pathology or pollution biology

**LANGUAGE:** English

**NOTES:** Accepts individual training on request; accepts applicants from developing countries.

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**UNIVERSITY OF MADRAS**
Department of Zoology
Madras - 600025, India

**PROGRAMS:** Aquaculture - Postgraduate Diploma

**LANGUAGE:** English

**NOTES:** Accepts short courses and individual training on request; accepts applicants from developing countries.

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**BIOTROP**
Jalan Raya Tajur, Km. 6 (P.O. Box 17), Bogor, Indonesia

**PROGRAMS:** Gen. Courses - postgraduate

**FIELDS OF INTEREST:**
Conducts postgraduate-level training, seminars, and workshops on tropical aquatic biology (freshwater, brackishwater, and marine biology).

**SHORT COURSES:**
Short-term (6 weeks) and long-term (10 months) training courses are available. Trains are usually from SEAMEO member countries. (An example of short courses given: Bioassay Techniques for Aquatic Organisms.)

**NOTES:** Accepts applicants from developing countries.

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**BOGOR AGRICULTURAL UNIVERSITY**
(INSTITUT PERTANIAN BOGOR)
Faculty of Fisheries, Kampus Darmaga
Jln. Rasamala, Bogor, Indonesia

**CONTACT PERSON:** Pong Suwignyo

**PROGRAMS:** Fisheries - BS

**FIELDS OF INTEREST:**
BS Program in Fisheries includes courses on aquaculture.

**LANGUAGE:** Indonesian

**NOTES:** Accepts individual training on request; accepts applicants from developing countries.
Asia 11

PROGRAMS: Aquaculture - MS
Fisheries - MS
SHORT COURSES:
Various on aquaculture
LANGUAGE: English, Bahasa Indonesia
NOTES: Accepts applicants from developing countries.

DIPONEGORO UNIVERSITY
Department of Fisheries
Semarang, Indonesia
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST: BS Program in Fisheries Includes limited subjects on aquaculture.

FISHERIES EDUCATION AND TRAINING INSTITUTE
P.O. Box 39/PSM PASAR MINGGU
Jakarta, 12520, Indonesia
CONTACT PERSON: Dr. L. Hasjim Ardijo
PROGRAMS: Aquaculture - BS
Fisheries - BS
Gen. Courses - BS
FIELDS OF INTEREST: Three-year college level courses in fishing techniques, fish processing, marine engineering, aquaculture, marine resources management
LANGUAGE: Indonesian
NOTES: Does not accept applicants from other developing countries.

GADJAH MADA UNIVERSITY
Department of Fisheries, Faculty of Agriculture
Indonesia
PROGRAMS: Aquaculture - MS
Fisheries - MS
Gen. Courses - MS
LANGUAGE: Indonesian, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

HASANUDDIN UNIVERSITY
Jl. Kanoea, Ujung Pandang, Sul Selatan, Indonesia
CONTACT PERSON: Dr. Mas'ud Skong
PROGRAMS: Aquaculture - MS
Fisheries - MS
Gen. Courses - MS
LANGUAGE: Indonesian
NOTES: Conducts short courses and individual training on request; does not accept applicants from other developing countries.

PAJADJARAN UNIVERSITY
Bukit Dago Utara, Bandung, Indonesia
PROGRAMS: Fisheries - BS
Gen. Courses - BS
FIELDS OF INTEREST: BS Programs in Fisheries and in Marine Science; aquaculture is taught as a subject.

PATIMURA UNIVERSITY
Faculty of Fisheries
Ambon, Kotak Pos No. 4, Indonesia
PROGRAMS: Aquaculture - BS
Fisheries - BS
FIELDS OF INTEREST: Marine/fisheries biology, mariculture, fishing gear/methods
LANGUAGE: Indonesian
NOTES: Does not accept applicants from other developing countries.

REGIONAL MARINE FISHERIES TECHNICAL TRAINING AND DEVELOPMENT CENTRE (AMBO) Tmalink Pos, Paka, Ambon, Moluccas Island, Indonesia
CONTACT PERSON: Mr. Achmad Dahlan
PROGRAMS: Fisheries - vocational training
FIELDS OF INTEREST: Fishing gear/techniques, navigation, policy, management, engine maintenance, fish technology
SHORT COURSES: Training for fishermen; training for extension workers
LANGUAGE: Indonesian
NOTES: Accepts applicants from developing countries.

REGIONAL MARINE FISHERIES TECHNICAL TRAINING AND DEVELOPMENT CENTRE (BELAWAN) Balai Ketrampilan Penangkapan Ikan-Ambon Tromol Pume, Paka, Ambon, Moluccas Island, Indonesia
CONTACT PERSON: Mr. Arifin Marzuki
PROGRAMS: Fisheries - vocational training
FIELDS OF INTEREST: Fishing technology and fisheries management
SHORT COURSES: Technical training for fishermen, extension workers
LANGUAGE: Indonesian
NOTES: Accepts applicants from developing countries.

REGIONAL MARINE FISHERIES TECHNICAL TRAINING AND DEVELOPMENT CENTRE (BITUNG) Balai Ketramplian Penangkapan Ikan Belawan, Medan 20411, Indonesia
CONTACT PERSON: Mr. Arifin Marzuki
PROGRAMS: Fisheries - BS (field agent), Gen. Courses - BS
FIELDS OF INTEREST: Marine fisheries science
SHORT COURSES: Six-month course for marine technical staff; 3-month engineer courses in purse seine and pole and line; 1-month team mobile training; 3-month course or PPL (field agent)
REGIONAL MARINE FISHERIES TECHNICAL TRAINING AND DEVELOPMENT CENTRE (SORONG)
Baai Ketrampilan Penangkapan Ikan
Jalan Jend. Yani, P.O. Box 009, Sorong, Irian Jaya, Indonesia
CONTACT PERSON: Mr. H.Y. Marasabessy
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST:
Fisheries technology training, fisheries development policy, extension, engine maintenance, fishing gear and techniques, navigation, fisheries policy and management
SHORT COURSES:
Fishermen training; training for extension workers
LANGUAGE: Indonesian
NOTES: Accepts applicants from developing countries.

RESEARCH INSTITUTE FOR FISH TECHNOLOGY
Jalan K.S. Tubun, P.O. Box 30/Palmera, Jakarta, Indonesia
CONTACT PERSON: Dr. Sumpeno Putro
PROGRAMS: Fisheries - HS, vocational, BS, MS, PhD
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

TAD AQUACULTURE DEVELOPMENT PROJECT
P.O. Box 140, Samarinda, Kalim, Indonesia
CONTACT PERSON: Mr. W. Suhm
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST:
Pond and Floating Cage Culture of Freshwater Fish - a training program primarily for staff of the Indonesian Fisheries Department and local farmers
SHORT COURSES:
Aquacultural Engineering, Fish Breeding, Nutrition and Fish Health
LANGUAGE: Indonesian
NOTES: Accepts applicants from developing countries.

UNIVERSITAS ISLAM RIAU
Faculty of Agriculture
Pekanbaru, Riau, Indonesia
CONTACT PERSON: Ir T. Dahri
PROGRAMS: Aquaculture - BS
SHORT COURSES:
Aquatoural Engineering, Fish Breeding, Nutrition and Fish Health
LANGUAGE: Indonesian
NOTES: Accepts applicants from developing countries.

UNIVERSITAS RIAU
Faculty of Fisheries
Pekanbaru, Riau, Indonesia
CONTACT PERSON: Dr. Syafii Anwar, Dean
PROGRAMS: Aquaculture - BS
LANGUAGE: Indonesian
NOTES: Does not accept applicants from other developing countries.

UNIVERSITAS SAM RATULANGI
Kampus Unsrat Tlp. 2486, Kleak, Manado, Indonesia
CONTACT PERSON: Prof. S.A. Waworentoe
PROGRAMS: Aquaculture - BS
LANGUAGE: Indonesian
NOTES: Does not accept applicants from other developing countries.

ISRAEL AGRICULTURAL RESEARCH ORGANIZATION (ARO)
Fish and Aquaculture Research Station, Dor Haf Hacarmel, 30 820 Israel
CONTACT PERSON: Dr. Gideon Hulata, Director
PROGRAMS: Aquaculture - MS (in conjunction with local universities)
SHORT COURSES:
Research in Integrated Fish Farming; Fish Nutrition; Genetic Improvement of Fish; Pond Ecology
LANGUAGE: Hebrew, English
NOTES: Accepts applicants from developing countries.

MINISTRY OF AGRICULTURE (CINADCO)
P.O. Box 7054, Tel Aviv, 61070 Israel
CONTACT PERSON: Dr. Gideon Hulata, Director
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST:
Extension methods and Information dissemination
SHORT COURSES:
Offers an international course on aquaculture and extension (2 months); and a seminar on development and planning of aquaculture (in coordination with ARO's Dor Station).
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

TEL AVIV UNIVERSITY
Zoology Department, Faculty of Life Sciences
155 Hergl, Tel Aviv, Israel
CONTACT PERSONS: Z. Yaron; Lev Fishelson
PROGRAMS: Gen. Courses - BS, MS, PhD
SHORT COURSES:
Ecology of Fish Populations, Biology of Freshwater Fish, Biology and Ecology of Fish
LANGUAGE: Hebrew, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

AKKESHI HIGH SCHOOL OF FISHERIES
Wangetsu-cho 1, Akkeshi-cho
Akkeshi-gun, Hokkaido 088-12, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese
<table>
<thead>
<tr>
<th><strong>AWA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nagusuka 155, Tateyama, Chiba 294, Japan</td>
<td>Akita 010-05, Japan</td>
</tr>
<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>FUKUOKA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tsuyazaki-machi 458, Munata-ko-gun, Fukuoka 811-33, Japan</td>
<td>Akita 010-05, Japan</td>
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<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<th><strong>FUNAGAWA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Minamihirasawa, Funagawaminato, Oga</td>
<td>Akita 010-05, Japan</td>
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<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<th><strong>HACHINOHE HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Ningyouzawa 6, Shiragane-machi, Hachinohe</td>
<td>Aomori 031, Japan</td>
</tr>
<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<th><strong>HAKODATE HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Nanahama 2, Kamisato-cho</td>
<td>Kamisato-cho, Hakodate 049-01, Japan</td>
</tr>
<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<tr>
<th><strong>HAMADA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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</thead>
<tbody>
<tr>
<td>Setogashima-cho, Hamada, Shimane 697, Japan</td>
<td>Aomori 031, Japan</td>
</tr>
<tr>
<td>PROGRAMS: Fisheries - HS</td>
<td>PROGRAMS: Fisheries - HS</td>
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<tr>
<td>LANGUAGE: Japanese</td>
<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>HIROSHIMA UNIVERSITY</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Faculty of Applied Biological Science</td>
<td>Faculty of Applied Biological Science</td>
</tr>
<tr>
<td>Midori-cho 2-17, Hiroshima 720, Japan</td>
<td>Midori-cho 2-17, Hiroshima 720, Japan</td>
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<tr>
<td>LANGUAGE: Japanese</td>
<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>HIROTA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Ootobo, Hirota-cho, Rikuzentakada, Iwate 029-26, Japan</td>
<td>Ootobo, Hirota-cho, Rikuzentakada, Iwate 029-26, Japan</td>
</tr>
<tr>
<td>PROGRAMS: Fisheries - HS</td>
<td>PROGRAMS: Fisheries - HS</td>
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<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>HOKKAIDO UNIVERSITY</strong></th>
<th>Faculty of Agriculture</th>
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<tr>
<td>Faculty of Fisheries</td>
<td>Faculty of Fisheries</td>
</tr>
<tr>
<td>Minato-machi 3-1-1, Hakodate, Hokkaido 041, Japan</td>
<td>Minato-machi 3-1-1, Hakodate, Hokkaido 041, Japan</td>
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<th><strong>ISHIKAWA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Ushizu, Noto-machi, Degubi-gun, Ishikawa 927-04, Japan</td>
<td>Ushizu, Noto-machi, Degubi-gun, Ishikawa 927-04, Japan</td>
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<tr>
<td>PROGRAMS: Fisheries - HS</td>
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<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Shinjuku Mitsubishi Bldg., 2-1</td>
<td>Shinjuku Mitsubishi Bldg., 2-1</td>
</tr>
<tr>
<td>Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan</td>
<td>Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan</td>
</tr>
<tr>
<td>FIELDS OF INTEREST: Sponsors training in various facilities, including the Kanagawa International Fisheries Training Center and the JICA Hyogo Center.</td>
<td>FIELDS OF INTEREST: Sponsors training in various facilities, including the Kanagawa International Fisheries Training Center and the JICA Hyogo Center.</td>
</tr>
<tr>
<td>SHORT COURSES: Aquaculture (5 months); Coastal Fisheries Extension (Practice and Theory) (6 months</td>
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<th><strong>KAGAWA UNIVERSITY</strong></th>
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<td>Faculty of Agriculture</td>
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<tr>
<td>Notes: Conducts individual training on request; accepts applicants from developing countries.</td>
<td>Notes: Conducts individual training on request; accepts applicants from developing countries.</td>
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<tr>
<th><strong>KAGOSHIMA HIGH SCHOOL OF FISHERIES</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>Beppu, Makurazaki, Kagoshima 898, Japan</td>
<td>Beppu, Makurazaki, Kagoshima 898, Japan</td>
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<tr>
<td>PROGRAMS: Fisheries - HS</td>
<td>PROGRAMS: Fisheries - HS</td>
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<tr>
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<tr>
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<tr>
<th><strong>KESENNUMA HIGH SCHOOL OF FISHERIES</strong></th>
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<tbody>
<tr>
<td>Zyouraku 130, Kesennuma, Miyagi 988, Japan</td>
<td>Zyouraku 130, Kesennuma, Miyagi 988, Japan</td>
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<tr>
<td>PROGRAMS: Fisheries - HS</td>
<td>PROGRAMS: Fisheries - HS</td>
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<td>LANGUAGE: Japanese</td>
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<tr>
<th><strong>KINOSHITA UNIVERSITY</strong></th>
<th>Faculty of Agriculture</th>
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<tbody>
<tr>
<td>School of Fisheries Sciences</td>
<td>School of Fisheries Sciences</td>
</tr>
<tr>
<td>Udo 160-4, Sanriku-cho, Kesen-gun, Iwate 022-01, Japan</td>
<td>Udo 160-4, Sanriku-cho, Kesen-gun, Iwate 022-01, Japan</td>
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<tr>
<td>LANGUAGE: Japanese</td>
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<tr>
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</table>
FIELDS OF INTEREST:
The Department of Biology covers the following fields: ichthyology, marine botany, marine ecology. It offers a doctoral program in bioresource production (aquaculture and livestock production). The university participates in the United Graduate School of Agricultural Science for its doctoral course.

LANGUAGE: Japanese, some English
NOTES: Accepts applicants from developing countries.

KUMAMOTO HIGH SCHOOL OF FISHERIES
Tomika, Reishoku-machi, Amakusa-gun
Kumamoto 843-25, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

KUZU HIGH SCHOOL OF FISHERIES
Kokuzu-machi 39-2, Kizu, Iwate 032, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

KYOTO HIGH SCHOOL OF FISHERIES
Zyoushi 1567, Miyazu, Kyoto 626, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

MIYAZAKI UNIVERSITY
Faculty of Agriculture
Kumano 7710, Miyazaki 880-21, Japan
LANGUAGE: Japanese

MUROTOMISAKI HIGH SCHOOL OF FISHERIES
Murotomisaki-cho, Muroto, Kochi 781-71, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

NAGASAKI UNIVERSITY
Faculty of Fisheries
Bunkyo-cho 1-14, Nagasaki, Nagasaki 852, Japan
LANGUAGE: Japanese

NIHON UNIVERSITY
College of Agriculture and Veterinary Medicine
Shimouna, Japan
LANGUAGE: Japanese

NIIGATA UNIVERSITY
Faculty of Science
Ninomachi 880-1, Igarashi, Niigata, Niigata 950-21, Japan
LANGUAGE: Japanese

NOU HIGH SCHOOL OF FISHERIES
Nou, Nou-machi, Nishikubiki-gun, Niigata 949-13, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

OBAMA HIGH SCHOOL OF FISHERIES
Horiyashiki, Obama, Fukui 917, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

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OCEAN RESEARCH INSTITUTE
The University of Tokyo
Minamidal 1-15-1, Nakano-ku, Tokyo 164, Japan
LANGUAGE: Japanese

OHITA HIGH SCHOOL OF FISHERIES
Suwa 254, Usuki, Oita 875, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

OKI HIGH SCHOOL OF FISHERIES
Togou, Salgou-cho, Oki, Shimane 685, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

OKINAWA HIGH SCHOOL OF FISHERIES
Nishizaki-cho 1, Itoman, Okinawa 901-03, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

OKINAWA UNIVERSITY
Faculty of Science
Chihara 1, Nishihara, Okinawa 901-03, Japan
PROGRAMS: Fisheries - BS, MS
LANGUAGE: Japanese

UNIVERSITY OF THE RYUKYUS
Facility of Science
Chihara 1, Nishihara, Okinawa 901-03, Japan
PROGRAMS: Fisheries - BS, MS
LANGUAGE: Japanese

TOHOKU UNIVERSITY
Faculty of Agriculture
Aramiyama-cho 1-1, Tsutsukamori, Sendai 980, Japan
LANGUAGE: Japanese

TOKAI UNIVERSITY
Faculty of Oceanography
Orto 3-20-1, Shizuoka, Shizuoka 424, Japan
LANGUAGE: Japanese

TOKUSHIMA HIGH SCHOOL OF FISHERIES
Hiiwase-cho, Kaifu-gun, Tokushima 775-33, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

TOKYO UNIVERSITY OF FISHERIES
Konan 4-5-7, Minato-ku, Tokyo 108, Japan
LANGUAGE: Japanese

TOYAMA HIGH SCHOOL OF FISHERIES
Takatsuki-machi 129, Namerikawa, Toyama 935, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

TYOUSHI HIGH SCHOOL OF FISHERIES
Hagatsukura-cho 1-1, Toyoshi, Chiba 288, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

UNIVERSITY OF TOKYO
Faculty of Agriculture, Department of Fisheries
Yoyoi 1-1-1, Bunkyo-ku, Tokyo 113, Japan
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST:
BS and MS in Fisheries with major fields of study in: fisheries biology, aquaculture biology, marine products technology, fish physiology, fisheries oceanography, marine biochemistry, others
LANGUAGE: Japanese

UWAZIMA HIGH SCHOOL OF FISHERIES
Melrin-cho 1, Uwazima, Ehime 798, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

SAKAI HIGH SCHOOL OF FISHERIES
Nakano-cho, Sakaiminato, Tottori 684, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

SHIMONOSEKI UNIVERSITY OF FISHERIES
Nagatah-cho, Yoshimi, Shimonoseki
Yamaguchi 759-68, Japan
LANGUAGE: Japanese

TADOTSU HIGH SCHOOL OF FISHERIES
Horie, Tadotsu-cho, Nakatado-gun, Kagawa 764, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese

SHIMONOSEKI UNIVERSITY OF FISHERIES
Nagatah-cho, Yoshimi, Shimonoseki
Yamaguchi 759-68, Japan
LANGUAGE: Japanese

TOKAI UNIVERSITY
Faculty of Oceanography
Orto 3-20-1, Shimizu, Shizuoka 424, Japan
LANGUAGE: Japanese

TOKISHIMA HIGH SCHOOL OF FISHERIES
Hiiwase-cho, Kaifu-gun, Tokushima 775-33, Japan
PROGRAMS: Fisheries - HS
LANGUAGE: Japanese
BRACKISHWATER RESEARCH STATION
Fisheries Department
Gelang Patah, Johor, Malaysia
CONTACT PERSON: Mr. Chuah Toh Chye
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST: Brackishwater pond culture
SHORT COURSES:
Basic Course (10 days) and Intermediate Course (3 weeks) on Brackishwater Pond Culture
LANGUAGE: Bahasa Malaysia, English
NOTES: Does not accept applicants from other developing countries.

DEPARTMENT OF FISHERIES
Wisma Toni, Jalan Mahameru, Kuala Lumpur, Malaysia
CONTACT PERSON: Mr. Tan Cheng Klat
PROGRAMS: Aquaculture - vocational
SHORT COURSES:
Fish Production in Rubber Effluent Treatment Ponds (lecture-seminar)
LANGUAGE: English
NOTES: Conducts lecture-seminars and individual training on request; accepts applicants from developing countries.

FISHERIES TRAINING INSTITUTE - MALAYSIA
Fisheries Department
Batu Maung, Penang, Malaysia
CONTACT PERSON: Mr. B. Balachandran
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST: Fisheries engineering and navigation training
SHORT COURSES:
Courses for fishermen: Engineering (5 months), Navigation (5 months), Fishing Gear Technology (5 months), Engine Maintenance (3 weeks), Basic Navigation and Fish Handling (4 weeks), Fishing Gear and Fish Handling (4 weeks)
LANGUAGE: Bahasa Malaysia
NOTES: Does not accept applicants from other developing countries.

FOOD TECHNOLOGY DIVISION, MARDI
G.P.O. Box 12301, Kuala Lumpur 01-02, Malaysia
CONTACT PERSON: Mr. Mohd Hashim Hassan
SHORT COURSES:
Processing of Fish Products, Canning, Packaging, Quality Control and Economic Analysis

LANGUAGE: Bahasa Malaysia, English
NOTES: Does not accept applicants from other developing countries.

MARINE FISH/PRawns BREEDING CENTRE
Fisheries Department
Tanjong Demong, Besar, Trengganu, Malaysia
CONTACT PERSON: Mr. Munir bin Haj. Naw
PROGRAMS: Aquaculture - vocational
SHORT COURSES:
Fish Culture (10 days) - a practical training course for fishermen and farmers
LANGUAGE: Bahasa Malaysia
NOTES: Does not accept applicants from other developing countries.

UNIVERSITI PERTANIAN MALAYSIA
Faculty of Fisheries and Marine Science
43400 Serdang, Selangor, Malaysia
CONTACT PERSON: Capt. M.I. bin Hj. Mohamed
PROGRAMS: Aquaculture - Diploma, BS, PhD
Fisheries - Diploma, BS, PhD
Gen. Courses - vocational, BS
FIELDS OF INTEREST:
Fisheries biology, aquaculture, marine science, fishing technology
SHORT COURSES:
Water Quality; Fish Diseases; General Aquaculture
LANGUAGE: Bahasa Malaysia, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITI SAINS MALAYSIA
School of Biological Sciences
Penang, Malaysia
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
BS and MS Programs in Aquatic Biology with subjects in: plankton and productivity, freshwater and marine biology, aquaculture, Malaysian fisheries and their management
LANGUAGE: Bahasa Malaysia
NOTES: Accepts applicants from developing countries.

NATIONAL AQUACULTURE CENTER FOR TRAINING AND ALLIED RESEARCH
Janakpur, c/o Fisheries Development Division
Department of Agriculture
Hathar Bhavan, Kathmandu, Nepal
PROGRAMS: Aquaculture - HS, vocational
SHORT COURSES:
Fish Culture; Hatchery Management; Aquaculture Extension
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
TRIBHUVAN UNIVERSITY
Zoology Department
Kirtipur Campus, Kathmandu, Nepal
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
MS in Zoology; aquaculture is taught as a subject.

FAISALABAD AGRICULTURAL UNIVERSITY
Faisalabad, Pakistan
CONTACT PERSON: Prof. A.N. Sheri
PROGRAMS: Fisheries - MS
FIELDS OF INTEREST:
Fish culture
LANGUAGE: English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

FISHERIES TRAINING INSTITUTE
Manawan, Punjab, 2-Sanda Road, Lahore, Pakistan
CONTACT PERSON: Director of Fisheries
PROGRAMS: Fisheries - HS, vocational, BS, MS
SHORT COURSES:
Principles of Aquaculture, Site Selection, Hatchery Management, Pond Construction
LANGUAGE: Urdu, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF KARACHI
Center of Excellence in Marine Biology
Karachi, Pakistan
CONTACT PERSON: Prof. Muzammil Ahmed
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
Marine biology
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF SIND
Department of Freshwater Biology and Fisheries
Jamshoro, Hyderabad, Pakistan
CONTACT PERSON: Prof. S. Sabir Ali
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST:
Freshwater biology and fisheries; courses include: fish taxonomy, ichthyology, higher aquatic plants, physiology, lotio and lentic environments, fishing gears and crafts, fishery biology, fish culture, fishery statistics.
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

AQUATIC BIOSYSTEMS
National Highway, Bay 4033, Laguna, Philippines
CONTACT PERSON: Luzviminda A. Guerrero
FIELDS OF INTEREST:
Specializes in the development of aquaculture production systems; manages projects on: freshwater culture (hatchery, cage and pond systems), brackishwater culture (milkfish, prawns), shellfarming (oyster/mussel, seaweed culture).

SHORT COURSES:
Tilapia Hatchery/Nursery Management; Tilapia Pond and Cage Culture; Vermiculture
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

BICOL UNIVERSITY
College of Fisheries
Albay, Philippines
PROGRAMS: Aquaculture - BS
FISHERIES - BS
FIELDS OF INTEREST:
Omits a baccalaureate program with thrust on aquaculture. Courses on fish culture are available.
LANGUAGE: English

BUREAU OF FISHERIES AND AQUATIC RESOURCES (BFAR)
860 Quezon Avenue, Quezon City, Philippines
CONTACT PERSON: Dr. James R. Arthur
PROGRAMS: Aquaculture - vocational
Fisheries - vocational
FIELDS OF INTEREST:
Fishpond engineering, management, economics, extension methods, postharvest technology
SHORT COURSES:
Six-month non-degree training courses for skippers/masterfishermen and fishing boat engineers; Advance Aquaculture Techniques Training Program (especially for BFAR extension workers and client(e)s); Brackishwater Aquaculture Development and Training Project (joint with FAO/UNDP)
LANGUAGE: English, Filipino
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

CENTRAL LUZON STATE UNIVERSITY
College of Inland Fisheries
Munoz, 3119 Nueva Ecija, Philippines
CONTACT PERSON: Dr. Rodolfo G. Arce
PROGRAMS: Aquaculture - MS
Fisheries - BS
FIELDS OF INTEREST:
BS in Inland Fisheries major in Aquaculture and Fisheries Management, MS/MPS in Aquaculture, Master of Aquaculture. The college has the following departments: Aquatic Biology, Aquaculture and Fisheries Management.
SHORT COURSES: Conducts training programs, workshops, and conferences in cooperation with the CLSU-FAC for fish farmers, extension workers and fish farm managers.

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

CENTRAL LUZON STATE UNIVERSITY
Freshwater Aquaculture Center
Munoz, 3119 Nueva Ecija, Philippines
CONTACT PERSON: Prof. Ruben C. Sevilleja
FIELDS OF INTEREST: Freshwater pond aquaculture, particularly integrated farming and tilapias; rice-fish culture
SHORT COURSES: Freshwater Aquaculture Production and Marketing; Hatchery and Culture Techniques for Tilapia; Rice-Fish Culture; Integrated Livestock-Fish Farming System
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

MARIANO MARCOS STATE UNIVERSITY
School of Fisheries
Currimao, 2903 Ilocos Norte, Philippines
CONTACT PERSON: Grande S. Ponce
PROGRAMS: Aquaculture - Diploma; Fisheries - HS, vocational, BS
FIELDS OF INTEREST: BS in Fisheries (major in Marine Fisheries, Inland Fisheries, or Fish Processing); Diploma in Fishery Techniques (major in Fish Culture, Fish Capture, or Fish Preservation); 2-year Certificate in Fisheries; 4-year HS in Fisheries Education
SHORT COURSES: Seaweeds Processing; Finfish Culture; Mollusk Culture
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

MINDANAO STATE UNIVERSITY
Institute of Fisheries Research and Development
Naawan, 9023 Misamis Oriental, Philippines
CONTACT PERSON: Dr. William R. Adan
PROGRAMS: Aquaculture - BS; Fisheries - HS, BS, Diploma; Gen. Courses - BS
FIELDS OF INTEREST: Fish culture, mariculture, fisheries extension, marine biology, fish processing, prawn hatchery technology
SHORT COURSES: Certificate on Prawn Hatchery Technology
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MINDANAO STATE UNIVERSITY
MSU-CF-IFRD School of Marine Fisheries and Technology
Naawan, 9023 Misamis Oriental, Philippines
CONTACT PERSON: Susano M. Taganas, Jr.
PROGRAMS: Aquaculture - BS; Fisheries - HS, BS; Gen. Courses - HS
FIELDS OF INTEREST: Mariculture, fish capture, fisheries extension, marine biology, fish culture, fish processing, prawn hatchery
SHORT COURSES: Certificate in Prawn Hatchery Technology
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

SILLIMAN UNIVERSITY
Marine Laboratory
Dumaguete City 6200, Philippines
CONTACT PERSON: Grande S. Ponce
PROGRAMS: Aquaculture - BS; Fisheries - HS, BS; Gen. Courses - HS, MS
FIELDS OF INTEREST: Marine Biology with courses in: marine biology, algology, advanced ecology, ichthyology. The Marine Laboratory does research on shallow-marine communities (seagrass beds, soft bottom communities, etc.). It is active in conservation programs.
LANGUAGE: English

SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER (SEAFDEC)
Aquaculture Department
P.O. Box 256, Iloilo City
Tigbauan, 5021 Iloilo, Philippines
CONTACT PERSON: Mr. Hermeneglido S. Stylo
FIELDS OF INTEREST: Freshwater, brackishwater and marine aquaculture, particularly milkfish, penaeid prawns and tilapias
SHORT COURSES: International training courses: Prawn Hatchery and Nursery Operations Management; Brackishwater Pond Culture; Hatchery of Marine Fish; Freshwater Aquaculture; Sanitation and Culture Techniques for Tropical Bivalves; Aquaculture courses for social scientists
LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

UNIVERSITY OF EASTERN PHILIPPINES
Fisheries Division, College of Agriculture
University Town, Catmanan, 6400 N. Samar, Philippines
CONTACT PERSON: Adriano A. Salvador
PROGRAMS: Fisheries - BS
LANGUAGE: English
UNIVERSITY OF THE PHILIPPINES
Marine Science Institute (MSI)
Diliman, Quezon City, Philippines
CONTACT PERSON: Dr. Edgardo Gomez
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
- MS in Marine Biology and Oceanography; the Marine Biology curriculum includes marine phyiology, ecology, management of marine resources, marine chemistry, physical oceanography, etc.
- MSI researches focus on marine biology, marine chemistry and biochemistry

UNIVERSITY OF THE PHILIPPINES IN THE VISAYAS
College of Fisheries
Iloilo City 5000, Philippines
CONTACT PERSON: Dean, College of Fisheries
PROGRAMS: Aquaculture - BS, MS
Fisheries - BS, MS
Gen. Courses - BS, MS
FIELDS OF INTEREST:
- Brackishwater finfish and crustacean culture training through the Brackishwater Aquaculture Center, Iloilo City; advanced aquaculture, fish nutrition, pond construction and management
SHORT COURSES:
- Training Course on Aquaculture - for extension workers and fish farmers

XAVIER UNIVERSITY
Institute of Marine Science
Cagayan de Oro City 9000, Philippines
CONTACT PERSON: Dulce Rivera-Dawang
FIELDS OF INTEREST:
The Biology Department offers a program in marine biology, especially for students interested in the marine environment of Northern Mindanao and in conducting research on the utilization, development and conservation of marine resources.

KOREA FISHING TRAINING CENTRE
P.O. Box 20 Yong Do Ku, Pusan, Republic of Korea
CONTACT PERSON: The Director
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST:
- Training for marine officers and engineers on deepsea and coastal fishing industries
SHORT COURSES:
- Deepsea and Coastal Fishing; Marine Engineers Course; Fishing Fleet Management; Fisheries Extension Official Course; Marine Aquaculture; International Combustion Engine Course for Small Boats

NOTES: Conducts short courses on request; accepts applicants from developing countries.

NATIONAL FISHERIES RESEARCH AND DEVELOPMENT AGENCY
Namhang-dong, Yeongdo-ku, Pusan 608, Republic of Korea
CONTACT PERSONS: Kyu Suck Park, Jong Yun Lee
PROGRAMS: Aquaculture - vocational, BS
FIELDS OF INTEREST:
Aquadulture
SHORT COURSES:
- Aquaculture; Artificial Breeding; Farming (in cage and recirculating system); Disease Control

NATIONAL FISHERIES ADMINISTRATION (SEOUL)
Fisheries Research and Development Agency
Dae Woo Center Bldg. 541, 5-GA, Nam Dae Moon-Ro Jung-Gu, Seoul, Republic of Korea
CONTACT PERSON: Sang Soo Kim
SHORT COURSES:
- Training Program in Fish Processing

NATIONAL UNIVERSITY OF SINGAPORE
Department of Zoology
Kent Ridge, 0511, Singapore
CONTACT PERSON: Prof. T.J. Lam
PROGRAMS: Aquaculture - MS, PhD
Gen. Courses - BS
SHORT COURSES:
- Fish/Shellfish Reproduction and Larval Physiology and Seed Production; Fish Nutrition and Feed Development; Net-Cage Culture; Shellfish Biology; Fish Genetics; Coastal Resources Management; Coral Reef Biology; Biotechnology as Applied to Aquaculture; Aquaculture of Tropical Ornamental Fishes

MINISTRY OF FISHERIES
Inland Fisheries Division
New Secretariat, Maligawatte, Colombo 10, Sri Lanka
CONTACT PERSON: D.E.M. Weerakoon, D. Director
PROGRAMS: Aquaculture - technical training
FIELDS OF INTEREST:
- Training programs, seminars, workshops on practical aspects of aquaculture for farmers, extension workers, technical government personnel, students, teachers, etc.
SHORT COURSES:
- Practical Aspects of Aquaculture (1-10 days)

LANGUAGE: English, Sinhalese
REGIONAL FISHERIES TRAINING CENTRE
Sea Street, Negombo, Sri Lanka
CONTACT PERSON: Mr. N.U.M.P. Seneviratne
PROGRAMS: Fisheries - Certificate
FIELDS OF INTEREST:
Marine fishing; commercial fishing, navigation, gear, methods
LANGUAGE: Sinhala
NOTES: Does not accept applicants from other developing countries.

RUHUNA UNIVERSITY
Departments of Zoology and Fisheries Biology
Maddawatte, Matara, Sri Lanka
CONTACT PERSON: Dr. S.S. de Silva
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
Gen. Courses - BS
FIELDS OF INTEREST:
Fish nutrition, reservoir fisheries, energetics, benthic ecology, fisheries biology
LANGUAGE: English, Sinhala
NOTES: Conducts short courses and Individual training on request; accepts applicants from developing countries.

SRI LANKA FISHERIES TRAINING INSTITUTE
Crow Island, Mattakkuliya, Colombo 15, Sri Lanka
CONTACT PERSON: Mr. T.H. Gajanayake, Principal
PROGRAMS: Fisheries - Certificate
FIELDS OF INTEREST:
Advanced National Certificate Course in Marine Fishing (6 months)
SHORT COURSES:
Marine Fishing, Fisheries Management, Mobile Extension Training, Crew Training, etc.
LANGUAGE: Sinhala, Tamil, English
NOTES: Conducts short courses and Individual training on request; does not accept applicants from other developing countries.

UNIVERSITY OF COLOMBO
Department of Zoology
P.O. Box 1490, Colombo 3, Sri Lanka
PROGRAMS: Aquaculture - BS, MS
Fisheries - BS
LANGAGE: English, Sinhalese
NOTES: Conducts Individual training on request; accepts applicants from developing countries.

UNIVERSITY OF KELANIYA
Department of Zoology
Kelaniya, Sri Lanka
CONTACT PERSON: Prof. H.H. Costa
PROGRAMS: Fisheries - MS, PhD
Gen. Courses - BS
SHORT COURSES:
Fisheries Biology, Population Dynamics of Fish; Aquaculture
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

NOTES:
Conducts short courses and Individual training on request; accepts applicants from developing countries.

NATIONAL PININGTUNG INSTITUTE OF AGRICULTURE
Department of Aquaculture
Pingtung, Taiwan, P.C.
CONTACT PERSON: Dr. Chen Cheng-Shou
PROGRAMS: Aquaculture - vocational
SHORT COURSES:
Overseas Chinese Student's Training Program in Aquaculture
LANGUAGE: English, Chinese
NOTES: Conducts short courses and Individual training on request; accepts applicants from developing countries.

NATIONAL TAIWAN COLLEGE OF MARINE SCIENCE AND TECHNOLOGY
Department of Marine Food Science
2 Pei-Ning Rd., Keelung, Taiwan, P.C.
CONTACT PERSON: C.F. Chang
PROGRAMS: General Courses - BS, MS, PhD
FIELDS OF INTEREST:
Marine food science technology
LANGUAGE: Mandarin
NOTES: Accepts applicants from developing countries.

NATIONAL TAIWAN COLLEGE OF MARINE SCIENCE AND TECHNOLOGY
Fisheries Department
2 Pei-Ning Rd., Keelung, Taiwan, P.C.
CONTACT PERSON: Dr. Chuan-Hung Ho
PROGRAMS: Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Fisheries hydrography; fishing gears technology; principles of fishing boat techniques; remote sensing; fish physiology; fishery economics; fishery management; fisheries law; ichthyology; international fisheries management; fish population dynamics; planktonology
LANGUAGE: Chinese
NOTES: Accepts applicants from developing countries.

NATIONAL TAIWAN UNIVERSITY
Institute of Oceanography
1, Sec 4, Roosevelt Road, Taipei, Taiwan, P.C.
CONTACT PERSON: Dr. Hal-Chiang Liu, Director
PROGRAMS: General Courses - MS, PhD
FIELDS OF INTEREST:
- Oceanography with courses in: sea training, marine geology, marine biology, aquaculture, fisheries management, fisheries resources, physiology, biostatistical analysis, marine planktonology, physical and chemical oceanography

LANGUAGE: Mandarin

NATIONAL TAIWAN UNIVERSITY
Institute of Fishery Sciences
Taiwan, P.C.
CONTACT PERSON: James Ching-ming Kuo
PROGRAMS:
- Aquaculture - MS
- Fisheries - MS
- Gen. Courses - MS

LANGUAGE: Chinese, some English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

TAIWAN FISHERIES RESEARCH INSTITUTE
199 Hou-hi Road, Keelung, 200, Taiwan, P.C.
CONTACT PERSON: Liu Fu-Guang
PROGRAMS:
- Aquaculture - vocational
- Fisheries - vocational
- Gen. Courses - HS, vocational, BS, MS, PhD

SHORT COURSES:
- Aquaculture courses on freshwater fish and shrimps; training courses on fishing gear design, coast line, drift net, gill net, small trawler fishing, etc.

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

ASIAN INSTITUTE OF TECHNOLOGY (AIT)
G.P.O. Box 2754, Bangkok 10501, Thailand
PROGRAMS:
- Aquaculture - MS

FIELDS OF INTEREST:
- MS Aquaculture Program ideal for students from tropical countries. Research can be done under tropical conditions, and the faculty have tropical experience. Courses include: aquaculture systems, fish nutrition, breeding, waste recycling in aquaculture, analytical techniques.

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

CHULALONGKORN UNIVERSITY
Sichang Marine Science Research and Training Station
Bangkok 10500, Thailand
CONTACT PERSON: The Director
PROGRAMS:
- Aquaculture - BS, MS
- Fisheries - BS, MS
- Gen. Courses - BS, MS

SHORT COURSES:
- Shrimp Hatchery Practice

LANGUAGE: Thai, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

CHULALONGKORN UNIVERSITY
Department of Marine Science, Faculty of Science
Bangkok 10500, Thailand
CONTACT PERSON: Dr. Suraphol Sudara
PROGRAMS:
- Aquaculture - BS, MS
- Fisheries - BS, MS
- Gen. Courses - BS, MS

FIELDS OF INTEREST:
- Marine Science Program with subjects in: fish biology, biological, physical, chemical and geological oceanography; marine invertebrates; marine and mangrove ecology; coastal process and morphology; microbiology; fishery management, etc.

SHORT COURSES:
- Giant Prawn Culture (on occasion)

LANGUAGE: Thai
NOTES: Conducts short courses and individual training on request.

KASETSART UNIVERSITY
Faculty of Fisheries
Bangkhen, Bangkok 10900, Thailand
CONTACT PERSON: Prof. Vittaya Tharnchalanukit
PROGRAMS:
- Aquaculture - BS, MS
- Fisheries - BS, MS
- Gen. Courses - MS

FIELDS OF INTEREST:
- BS and MS in Fishery Biology, Marine Science, Aquaculture, Fishery Products, Fishery Management

LANGUAGE: Thai, English on request
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

PHUKET COMMUNITY COLLEGE
Phuket, Thailand
PROGRAMS:
- Aquaculture - BS

FIELDS OF INTEREST:
- BS Program in Aquaculture

PRINCE OF SONGKLA UNIVERSITY
Department of Aquatic Science
Faculty of Natural Resources
Hat Yai 90110, Thailand
CONTACT PERSON: Niti Rittibhonbun
PROGRAMS:
- Aquaculture - BS

FIELDS OF INTEREST:
- Aquaculture: fish diseases and parasites, breeding, coastal aquaculture, nutrition, genetic improvement, etc. Environmental Science: coastal ecology, aquatic resources management, etc. Fish Biology. Miscellaneous: fishing gear and methods, economics.

LANGUAGE: Thai
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER (SEAFDEC)
Training Department
4th Floor Olympia Bldg., 956 Rama IV Road
Bangkok 10500, Thailand
CONTACT PERSON: Dr. Veravat Hongskul, Secretary General
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST:
- Fishing Technology Course (1 1/2 years) with training areas in: fishing gears and methods, coastal and deepsea fishing, navigation, postharvest technology, etc. Also offers 1 1/2 years course on Marine Engineering.

SHORT COURSES:
Regional training courses for fisheries extension officers in fishing technology and navigation (1 month); short term courses for Thai fishermen, fisheries officers and students.

LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

SRINIKARIN VIROJ UNIVERSITY
Department of Aquatic Science
Faculty of Science
Bangsaen, Chonburi, Thailand
FIELDS OF INTEREST:
Courses cover such topics as: marine biology, oceanography, economic aquatic plants, aquatic invertebrates and vertebrates, aquatic ecology, fisheries technology, coastal aquaculture, fishing gears, diseases and pathology of aquatic animals, etc.

TINSULANONDA SONGKHLA FISHERIES COLLEGE
Tambon Pawong, Amphur Muang
Jangwat Songkhla 90000, Thailand
CONTACT PERSON: Mr. Weerasak Vongsombut
PROGRAMS: Aquaculture - Certificate, Diploma
Fisheries - Certificate, Diploma
FIELDS OF INTEREST:
Brackishwater aquaculture and processing; 3-year Certificate and 5-year Diploma

SHORT COURSES:
One-week aquaculture courses: Cage-rearing of Seabass, Catfish Spawning, etc. Other one-week courses: Processing and Preservation, Catch Handling at Sea, etc.

LANGUAGE: Thai
NOTES: Conducts short courses and individual training on request.

NETWORK OF AQUACULTURE CENTRES IN ASIA (NACA)
Regional Head Office, National Inland Fisheries Institute
Bangkhen, Bangkok 9, Thailand
PROGRAMS: Aquaculture - MS, Diploma
FIELDS OF INTEREST:
Master of Aquaculture or Diploma in Aquaculture. NACA has national lead centers in selected Asian countries.
AUSTRALIAN INSTITUTE OF MARINE SCIENCE (AIMS)
PMB 3, Townsville MC, QLD 4810, Australia
CONTACT PERSON: Dr. Garry Russ
SHORT COURSES:
Specialist courses may be arranged on:
coral ecology, coral taxonomy, mangrove
ecology, etc.
LANGUAGE: English
NOTES: Conducts short courses and individual
training on request.

AUSTRALIAN MARITIME COLLEGE
School of Fisheries
P.O. Box 986, Launceston, Tasmania 7250, Australia
PROGRAMS: Fisheries - vocational, BS, Postgraduate Diploma
FIELDS OF INTEREST: The only tertiary educational institution in
Australia providing multi-level maritime
courses exclusively for shipping, fishing,
port and offshore industries. Offers
Certificate of Technology in Fisheries
Operation, Bachelor of Applied Science and Postgraduate Diploma in Fisheries Technology.
LANGUAGE: English
NOTES: Conducts short courses on request.

FREMANTLE TECHNICAL COLLEGE
Western Australia, Australia
CONTACT PERSON: Captain Geoff Tiley
PROGRAMS: Gen. Courses - Certificate
FIELDS OF INTEREST: Offers a variety of maritime certificate
courses, as well as training leading to a
Certificate in Seamanship (Fishing).
SHORT COURSES: Offers a number of short intensive courses
for fishermen and operators of
commercial vessels. Also conducts night
classes for fishermen endeavoring to
reach higher levels of certification.
LANGUAGE: English

HAWKESBURY AGRICULTURAL COLLEGE
Richmond N.S.W. 2753, Australia
CONTACT PERSON: Mr. R.D. Macadam
PROGRAMS: Gen. Courses - BS, Graduate Diploma
FIELDS OF INTEREST: Offers Bachelor of Applied Science and
Graduate Diploma in Agriculture. Among
the choices of emphasis is aquaculture
(under the area of intensive animal
production).
LANGUAGE: English

JAMES COOK UNIVERSITY
Departments of Marine Biology and Zoology
Townsville, Q 4811, Australia
CONTACT PERSONS: Dr. J.H. Choat and Dr. H. Marsh
PROGRAMS: Aquaculture - BS
FIELDS OF INTEREST: Courses on aquaculture, ichthyology and
fisheries biology. The Zoology Department
offers an MS course in Tropical Ecology
with elements of marine ecology, fisheries
biology, aquaculture and management.
SHORT COURSES: May develop workshops on marine
sampling and experimental design,
especially for reef, mangrove and
seagrass biota.
LANGUAGE: English
NOTES: Conducts short courses on request;
accepts applicants from developing
countries.

QUEENSLAND INSTITUTE OF TECHNOLOGY
Department of Biology and Environmental Science
G.P.O. Box 2434, Brisbane, Qld 4001, Australia
CONTACT PERSON: Barry McMahon
PROGRAMS: Aquaculture - Associate Diploma
FIELDS OF INTEREST: BS Biology with subjects in warmwater
aquaculture focus on farming of fish and
crustaceans; Associate Diploma in
Aquaculture (2 years) covers techniques in
water quality management, seed
production, larval rearing and husbandry.
SHORT COURSES: Introductory Biology for Aquaculturists
(offered on 24 - 25 May 1986). Topics:
crustacean form and function; fish form
and function; pond ecology; behavior of
offered courses. Also conducts night
classes for fishermen endeavoring to
reach higher levels of certification.
PROGRAMS: Fish Processing Technology
FIELDS OF INTEREST: Vocational, Certificate and BS and MS
Programs on Fish Processing Technology.
The Institute has canning, freezing, chilling,
smoking and packaging equipment.
SHORT COURSES: Fish Processing Technology
LANGUAGE: English
NOTES: Conducts short courses on request;
accepts applicants from developing
countries.

SOUTH AUSTRALIAN FISHING INDUSTRY TRAINING COMMITTEE
P.O. Box 264, Norwood, S.A. 5069, Australia
FIELDS OF INTEREST: The committee was formed to organize
and improve training in the fishing industry
at all levels.
SHORT COURSES: Various training courses and workshops
LANGUAGE: English
TASMANIAN STATE INSTITUTE OF TECHNOLOGY
School of Applied Science
P.O. Box 1214, Launceston 7250, Tasmania, Australia
CONTACT PERSON: Dr. N. Evans, Acting Head
PROGRAMS: Aquaculture - Associate Diploma
FIELDS OF INTEREST:
  - Associate Diploma in Applied Science (Aquaculture). The course offers training in the intensive culture of warmwater fish, coldwater fish, prawns and oysters. Hatching techniques and management skills are also emphasized.

UNIVERSITY OF ADELAIDE
Zoology Department
GPO Box 498, Adelaide 5001, Australia
CONTACT PERSON: Brian Eric Pie j e
PROGRAMS: Fisheries - MS, PhD
  - Gen. Courses - BS
FIELDS OF INTEREST:
  - Zoology, ecology, freshwater biology
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF QUEENSLAND
Department of Zoology
St. Lucia, QLD 4067, Australia
CONTACT PERSON: Dr. D.R. Fielder
PROGRAMS: Aquaculture - BS, MS, PhD
  - Fisheries - BS, MS, PhD
  - Gen. Courses - BS, MS, PhD
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

AUCKLAND NAUTICAL SCHOOL
Ministry of Transport
Auckland, New Zealand
SHORT COURSES:
  - Offers various courses on the operation of fishing boats.

NELSON POLYTECHNIC
Nelson, New Zealand
FIELDS OF INTEREST:
  - Conducts the Nelson Polytechnic Pacific Islands Fisheries Officer Course in cooperation with the South Pacific Commission.
SHORT COURSES:
  - Various courses on fishing boat operations:
    - Advanced Fishing Technology (2-6 weeks);
    - Fishing Cadet Course (20 weeks);
    - Inshore Fishing Skipper (2 weeks);
    - Net Making and Repair; and Fish Finding Electronics, etc.
FREE UNIVERSITY OF BRUSSELS (V.U.B.)
FAME Sec., (Fac. WE)
Laboratory of Systematics and Ecology
VUB Poinclaan 2, 1050 Brussels, Belgium
PROGRAMS: Gen. Courses - Postgraduate, MS
FIELDS OF INTEREST:
- Fundamental Applied Marine Ecology (FAME), a postgraduate training course for scientists from developing countries,
- Includes courses on marine chemistry, biology, fisheries, physiology, pollution, MS in Fundamental and Applied Oceanography.
LANGUAGE: English

GHENT STATE UNIVERSITY
Artemia Reference Center
Rozier 44, B-9000 Ghent, Belgium
CONTACT PERSON: Dr. Patrick Sorgeloos
PROGRAMS: Aquaculture - training
SHORT COURSES:
- International 2-month postgraduate training course in aquaculture organized every other year (next edition from Sept - Oct '89).
NOTES: Accepts applications from developing countries.

CZECHOSLOVAK ACADEMY OF SCIENCES
Institute of Vertebrate Zoology
803 65 Brno, Kvetna 8, Czechoslovakia
CONTACT PERSON: Prof. V. Barus
PROGRAMS: Fisheries - PhD
LANGUAGE: English
NOTES: Accepts applications from developing countries.

DANISH INSTITUTE FOR FISHERIES AND MARINE RESEARCH
The North Sea Center
P.O. Box 101, DK-9850, Hirtshals, Denmark
CONTACT PERSONS: Hans Peter Bak, Vagn Hansen
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - training courses
SHORT COURSES:
- Training courses: Fishing Gear Technology; Fisheries Inspection and Control; Fish Handling and Processing; Fish Stock Assessment; Oceanography; Fisheries Management (1-4 weeks and 1-12 months). Also includes aquaculture courses.
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

HORSENS TECHNICAL COLLEGE
Department of Aquaculture
Slotsgade 11, DK-8700 Horsens, Denmark
CONTACT PERSON: Cloes Kjaer Mathiesen
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST:
- Fish farming (ecology, fish biology, water quality, disease, glass fiber and PVC welding, diesel engines, etc.) May soon also run university-level program and 2-year higher-level courses for assistant fish farm managers and managers.

SHORT COURSES:
- Offers courses in fish farming both in and outside the college (within Denmark and abroad).
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

I.N.P. TOULOUSE, LABORATOIRE D'ICHTYOLOGIE APPLIQUEE
ENSAT, 145, Avenue de Muret, 31076 Toulouse Cedex, France
CONTACT PERSON: Jacques Noreau
PROGRAMS: Aquaculture - MS, PhD
Fisheries - MS, PhD
FIELDS OF INTEREST:
- Fish population dynamics, fish culture, fisheries management
SHORT COURSES:
- Computer Use in Aquaculture Management
LANGUAGE: French
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

FISHERIES RESEARCH INSTITUTE
5541 Szarvas, Hungary
CONTACT PERSON: Dr. Ferenc Muller
FIELDS OF INTEREST:
- Offers advanced postgraduate training (6 months - 3 years) in hydrobiology, genetics, fish diseases, fish nutrition, propagation, larval rearing and production technology.
SHORT COURSES:
- Offers advanced in-service training (2-6 months) in all aspects of fish culture operations, duck culture and integrated fish farming. (Organized only during the growing season, from May to September.)
LANGUAGE: English

SZAZHALOMBATA FISHERIES TRAINING CENTER
International Training Center for Fisheries
c/o the Hungarian National Committee of FAO
Szazhalombata, Hungary
CONTACT PERSON: Dr. K. Kacsai
FIELDS OF INTEREST:
- Gives training in hatchery work, larval and postlarval rearing and growing of fingerlings of Hungarian fish species, especially grass-carp, silver-carp and bighead. The center has a warmwater fish hatchery.
SHORT COURSES:
- Two-month professional training course in fisheries
LANGUAGE: Hungarian, English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF AGRICULTURAL SCIENCES
Department of Tropical and Subtropical Agriculture
2103 Godollo, p. 303, Hungary
CONTACT PERSONS: Dr. Pekli Jozsef, Dr. V. Janos
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
Gen. Courses - BS, MS, PhD
FIELDS OF INTEREST:
Biology, Breeding and Economy of Aquatic Cultures and Fishery in Freshwaters, a postgraduate course especially for foreign specialists from developing countries
SHORT COURSES:
Artificial Propagation of Fish; Management of Fish Resources, Agro-Aquaculture Integrated Production
LANGUAGE: English, Spanish
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

CORK UNIVERSITY
University College, Department of Zoology
Cork, Ireland
CONTACT PERSON: Dr. Gavan Burnell
PROGRAMS: Aquaculture - MS
FIELDS OF INTEREST:
MS in Aquaculture

GALWAY REGIONAL TECHNICAL COLLEGE
Dublin Road, Galway, Ireland
CONTACT PERSON: Mr. B. Ottway, Course Director
PROGRAMS: Aquaculture - Certificate, Diploma, BS
FIELDS OF INTEREST:
National Certificate in Aquaculture; National Diploma in Applied Aquatic Sciences with courses in aquaculture or fisheries and pollution; BSc(Hons) in Aquaculture

GALWAY UNIVERSITY
Shellfish Research Laboratory
Carna, Connemara, Galway, Ireland
CONTACT PERSON: Dr. J. P. Mercer, Director
PROGRAMS: Aquaculture - Diploma, MS, PhD
Fisheries - MS
FIELDS OF INTEREST:
MS or PhD in Aquaculture, Higher Diplomas in Applied Science (Aquaculture); the courses cover culture and management techniques for marine and fresh water organisms.
SHORT COURSES:
Algal Cultivation; Resource Management and Development; Hatchery, Nursery and Ongrowing Techniques
LANGUAGE: English

NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

IRISH SEA FISHERIES BOARD (BORD IASCAIGH MHARA)
P.O. Box 12, Crofton Road
Dun Laoghaire, Co. Dublin, Ireland
CONTACT PERSON: M.P. Budds
PROGRAMS: Fisheries - Certificate
FIELDS OF INTEREST:
Practical course in fish farming (34 weeks)

WAGENINGEN AGRICULTURAL UNIVERSITY
P.O. Box 453, 6700 AL Wageningen, The Netherlands
PROGRAMS: Aquaculture - MS
FIELDS OF INTEREST:
Two-year postgraduate MS in Animal Production and Aquaculture with specialization in Aquaculture - a course on the technical, ecological and socioeconomic aspects of animal production and aquaculture
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF BERGEN
Department of Fisheries Biology
Postboks 1839 Nordnes, N-5024 Bergen, Norway
PROGRAMS: Fisheries - M.Phil., Diploma
FIELDS OF INTEREST:
M.Phil. in Fish Resources and Fishery Management, a course for students from developing nations which deals with the biology and ecology of aquatic resources, how exploitation affects fish population, management of fish stocks, etc.
SHORT COURSES:
Diploma in Fisheries Biology and Fisheries Management (10 months) for young scientists requiring graduate level training.
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MEDITERRANEAN AGRONOMIC INSTITUTE
OF ZARAGOZA (ICAMAS)
Montana, 17, Apdo. de Correos 202, 50080, Zaragoza, Spain
SHORT COURSES:
Pisciculture Course with subjects on: biological bases, reproduction management and techniques (production bases, types of exploitation, engineering, economic aspects of production and commercialization); case studies
LANGUAGE: Spanish

ABERDEEN TECHNICAL COLLEGE
Gallowgate, Aberdeen AB9 1DN, UK
CONTACT PERSON: David Finlayson
PROGRAMS: Fisheries - Certificate
Europe 27

FIELDS OF INTEREST:

CORNWALL COLLEGE OF FURTHER AND HIGHER EDUCATION
Redruth, Cornwall TR15 3RD, UK
FIELDS OF INTEREST:

GLASGOW COLLEGE OF MARITIME STUDIES
21 Tryst St, Glasgow, G5 9XB, UK
CONTACT PERSONS: M.M. Cornish, T.Ireland
PROGRAMS: Fisheries - vocational
FIELDS OF INTEREST:

ASTON UNIVERSITY
Fish Culture Unit
Department of Biological Sciences
Birmingham B4 7ET, UK
CONTACT PERSON: Dr. Neil Bromage
PROGRAMS: Aquaculture - vocational, M.Phil, PhD
Fisheries - MS, PhD
FIELDS OF INTEREST:

HAMPSHIRE COLLEGE OF AGRICULTURE
Sparsholt, Winchester, Hampshire S021 2NF, UK
CONTACT PERSON: D.T. Cave
PROGRAMS: Fisheries - Diploma
FIELDS OF INTEREST:

BARONY AGRICULTURAL COLLEGE
Parkgate, Dumfries DG1 3NE, UK
CONTACT PERSON: David Rose, Principal
PROGRAMS: Aquaculture - college-based
FIELDS OF INTEREST:

CLEARWATER LIMITED
Shore Road, Kirk Michael, Isle of Man, British Isles, UK
FIELDS OF INTEREST:

HERIOT-WATT UNIVERSITY
Department of Brewing and Biological Sciences
Chambers St., Edinburgh EH11 1HX, UK
CONTACT PERSON: Dr. I. Campbell
PROGRAMS: Gen. Courses - Diploma, BS, MS, PhD
FIELDS OF INTEREST:

HERIOT-WATT UNIVERSITY
Institute of Offshore Engineering
Research Park, Riccarton Campus
Curie, Edinburgh EH14 4AS, Scotland, UK
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:

SHORT COURSES:

ASTON UNIVERSITY
Introduction to Fish Disease, Hatchery Operation, Angling, Sport Fishery Management
LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

HAMPSHIRE COLLEGE OF AGRICULTURE
College-based course in fish farming, Subjects include: health, feeding and nutrition, hatchery operation, on-growing, harvesting, floating cage production, fisheries management, etc.
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

BARONY AGRICULTURAL COLLEGE
International training courses include: Marine Aquaculture and Freshwater Aquaculture are held twice a year over a 10-day period; courses on the above fields of specialization (2 - 3 days)
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

CLEARWATER LIMITED
Marine and freshwater aquaculture (production of salmon, trout, lobsters, turbot, scallops, oysters, prawns, etc.)
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

HERIOT-WATT UNIVERSITY
MS or PhD in Fish Disease or Fish Nutrition; Diploma or MS in Applied Microbiology, BS in Marine Biology
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
LHUMBERSIDE COLLEGE OF HIGHER EDUCATION
School of Fisheries Studies
Queens Gardens, Hull HU1 3DH, England, UK
CONTACT PERSON: Dr. Keith Haywood, Head
PROGRAMS: Fisheries - Certificate, Diploma, BS, MS
Gen. Courses - BS
FIELDS OF INTEREST:
BSc (Hons) in Fishery Studies; post-
experience Diplomas in Fisheries
Management, Fisheries, Fishing Gear
Technology, Master Fisherman/Fishing
Skipper, and Fish Marketing; MS in Fisheries
Planning and Management Fish
Marketing
SHORT COURSES:
Fish Handling, Preservation and
Refrigeration; Management, Marketing
and Distribution; Fish Processing and
Product Development; Fishing Vessel
Operation; Port and Harbor Management,
Fishing Gear Technology; Electronic
Instrumentation
LANGUAGE: English
NOTES: Conducts short courses and individual
training on request; accepts applicants
from developing countries.

INVERNESS TECHNICAL COLLEGE
3 Longman Road, South Inverness, IV1 1SA, UK
CONTACT PERSON: Mr. J.F. McDougall, Head
PROGRAMS: Aquaculture - National Certificate
FIELDS OF INTEREST:
One-year National Certificate Course in
Aquaculture
SHORT COURSES:
Various on aquaculture and
fish handling/processing
LANGUAGE: English
NOTES: Conducts short courses and individual
training on request; accepts applicants
from developing countries.

LEICESTER POLYTECHNIC
P.O. Box 143, Leicester LE1 9BH, UK
CONTACT PERSON: R. Porter
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
BSc and BSc - Hons Program in
Environmental Sciences includes a course
in Water Resource Management.
LANGUAGE: English

LOWESTOFT COLLEGE OF FURTHER EDUCATION
St. Peters St., Lowestoft, Suffolk, England, UK
PROGRAMS: Fisheries - Certificate
FIELDS OF INTEREST:
Offers an 18-month course leading to a
Certificate in Nautical Science Fishing.
LANGUAGE: English

NORTH EAST LONDON POLYTECHNIC
Biological and Biochemistry Department
Romford Road, London, E15 4LZ, UK
CONTACT PERSON: Dr. Paul Birch
PROGRAMS: Aquaculture - MS, PhD
Fisheries - MS, PhD
Gen. Courses - BS
FIELDS OF INTEREST:
MS and PhD in Aquaculture or Fisheries; 3-
year BS/BS Hons Program in Biology
includes a course in marine biology (other
courses are: ecology, genetics,
apastology).
LANGUAGE: English
NOTES: Accepts applicants from developing
countries.

OXFORD POLYTECHNIC
Gipsy Land, Headington, Oxford OX3 0BP, UK
CONTACT PERSON: Mr. John Franklin
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
BSc - Hons Program in Environmental
Biology includes a course, elements of
oceanography.
LANGUAGE: English

PLYMOUTH POLYTECHNIC
Faculty of Maritime Studies
Drake Circus, Plymouth, Devon, PL4 9AA, England, UK
CONTACT PERSON: P.F. Willerton
PROGRAMS: Aquaculture - PhD
Fisheries - vocational, BS, MS, PhD
Gen. Courses - BS, MS
FIELDS OF INTEREST:
Full-time 12-month MSc (Oct.-Sept.) in
Applied Fish Biology concentrating on fish
culture, nutrition, health and economics;
BS in Fishery Science
LANGUAGE: English
NOTES: Conducts short courses and individual
training on request; accepts applicants
from developing countries.

PORTSMOUTH POLYTECHNIC
Marine Resources Research Unit, School of Economics
Locks Way, Portsmouth, UK
CONTACT PERSON: David Whitmarsh
PROGRAMS: Fisheries - Postgraduate Certificate
Gen. Courses - vocational, BS, MS, PhD
FIELDS OF INTEREST:
The Postgraduate Certificate in Fisheries
Economics is a full-time conversion course
made up of four components:
Fundamentals of Economics; Fisheries
Economics; Information Analysis and Data
Processing; and Fishing Enterprise
Management.
SHORT COURSES:
Postgraduate Certificate in Fisheries
Economics (6 months) for students from
developing countries. Subjects include:
fisheries statistics, computing, fisheries
regulation and development, project
appraisal and forecasting.
**SUNDERLAND POLYTECHNIC**
Langham Tower, Rhyhope Road, Sunderland, SR2 7EE, UK

**PROGRAMS:** Gen. Courses - BS

**FIELDS OF INTEREST:**
- BSc and BSc - Hons Program includes a course on water resources; BSc Program in Marine Studies

**LANGUAGE:** English

**READING UNIVERSITY**
Department of Pure and Applied Zoology
P.O. Box 228, Reading RG6 2AJ, UK

**CONTACT PERSON:** Dr. M.G. Hardy

**PROGRAMS:**
- Aquaculture - Certificate

**SHORT COURSES:**
- Warm Water Aquaculture - Biology Management and Fish Health (3 weeks)

**LANGUAGE:** English

**SHEFFIELD CITY POLYTECHNIC**
Pond Street, Sheffield S1 1WB, UK

**CONTACT PERSON:** E. Mears

**PROGRAMS:**
- Gen. Courses - BA (Hons)

**FIELDS OF INTEREST:**
- Environmental Studies BA - Hons Program is a 3-year, interdisciplinary program which includes a course on water resources in the second year.

**LANGUAGE:** English

**SPARSHOLT COLLEGE HAMPSHIRE**
Sparsholt, Winchester SO21 2NF, UK

**CONTACT PERSON:** The Principal

**PROGRAMS:**
- Fisheries - Diploma, Certificate

**FIELDS OF INTEREST:**
- Higher National Diploma in Fish Farming/Fishery Management; Diploma in Fishery Management; National Certificate in Aquatics and Ornamental Fish Management; YTS Fish Husbandry

**LANGUAGE:** English

**STIRLING UNIVERSITY**
Institute of Aquaculture
Stirling FK9 4LA, Scotland, UK

**CONTACT PERSON:** Mrs. J. Farrington

**PROGRAMS:**
- Aquaculture - Diploma, MS, PhD
- Fisheries - Diploma, MS, PhD
- Gen. Courses - MS

**FIELDS OF INTEREST:**
- MS in Aquaculture and Fishery Management; MS in Aquatic Pathobiology/Veterinary Studies; Diploma in Aquaculture and Fishery Management; Pathobiology and Nutrition

**SHORT COURSES:**
- Fish Diseases, a 4-day course for fish farmers and biologists; 2-3 day specialist courses on aspects of aquaculture (disease, acid rain and its impact, nutrition); other courses which may be conducted at the institution or abroad (several days or weeks long)

**LANGUAGE:** English

**UNIVERSITY COLLEGE OF NORTH WALES**
School of Animal Biology
Wales, Bangor, Gwynedd LL57 2UW, UK

**CONTACT PERSON:** Dr. T.J. Pitcher

**PROGRAMS:**
- Aquaculture - Fisheries - MS
- Gen. Courses - MS

**FIELDS OF INTEREST:**
- MS Program in Fisheries Biology and Management with courses in: the diversity of marine resources, fisheries ecology, fish migration, natural resource economics, underwater acoustics, fish diseases, fish physiology, fish energetics and culture

**SHORT COURSES:**
- Seminars are held throughout the course on conceptual and management-related themes.

**LANGUAGE:** English

**UNIVERSITY COLLEGE OF SWANSEA**
Department of Genetics and Center for Development Studies
Singleton Park, Swansea SA2 8PP, UK

**PROGRAMS:**
- Gen. Courses - MS (Genetics)

**FIELDS OF INTEREST:**
- MS course (21 months, commencing October) on Applications of Genetics in Developing Areas; scope for project work on cultured aquatic organisms

**LANGUAGE:** English

**UNIVERSITY COLLEGE OF WALES**
Old College, King St., Aberystwyth, SY23 2AX, UK

**CONTACT PERSON:** Dr. M.R.L. Johnston

**PROGRAMS:**
- Gen. Courses - BS, MS, PhD

**FIELDS OF INTEREST:**
- BS Program in Aquatic Biology covers marine and freshwater biology, including population biology, genetics, and ecology. MS and PhD by research.

**LANGUAGE:** English
UNIVERSITY OF ABERDEEN
Regent Walk, Aberdeen, AB9 1X, Scotland, UK
PROGRAMS: Fisheries - MS/Diploma, PhD
FIELDS OF INTEREST:
MS/Diploma or PhD Program in Marine and Fisheries Science with subjects in: marine environment, environmental quality and pollution, marine application of remote sensing, aquaculture, fish disease and parasites, etc.
LANGUAGE: English

UNIVERSITY OF BUCKINGHAM
Hunter St., Buckingham, MK18 1EG, Bucks, England, UK
CONTACT PERSON: Dr. David PF. King
PROGRAMS: Gen. Courses - BS, Diploma, MS
FIELDS OF INTEREST:
BS (Honors) in Aquatic and Fisheries Biology with emphasis on ecological relationships, population dynamics of fish stocks; MS and Diploma in Fisheries Biology with courses in: aquatic ecology, fish populations, environmental physiology, statistics
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF DUNDEE
Department of Applied Physics and Electronic and Manufacturing Engineering
Carnegie Bldg., Dundee DD1 4HN, Scotland, UK
CONTACT PERSON: Prof. A. P. Cracknell
FIELDS OF INTEREST:
Postgraduate courses in remote sensing: MS course on Remote Sensing, Image Processing and Applications; Diploma in Science Course on Digital Mapping and Remote Sensing.
SHORT COURSES:
Microwave Remote Sensing for Oceanographic and Marine Weather Forecast Models
LANGUAGE: English

UNIVERSITY OF GLASGOW
Glasgow G12 8QQ, Scotland, UK
PROGRAMS: Gen. Courses - Diploma, MS
FIELDS OF INTEREST:
Offers Higher Ordinary Diploma in Marine Science and Master of Applied Science Degree or Graduate Diploma in Marine Science.
LANGUAGE: English

UNIVERSITY OF LIVERPOOL MARINE BIOLOGICAL STATION
Port Erin, Isle of Man, British isles, UK
FIELDS OF INTEREST:
Offers training for MS or PhD degrees in all aspects of the biology and ecology of marine organisms. Specialty areas of study include: fisheries biology, population dynamics and management of commercial fish and shellfish, stock assessment, mariculture.
LANGUAGE: English

UNIVERSITY OF MANCHESTER
Oxford Road, Manchester, M13 9PL, UK
FIELDS OF INTEREST:
Through the university, training in molluscan biology may be arranged in certain institutions. Marinetech North West is a consortium of universities, with coordinating office at the University of Manchester. May offer training in fisheries planning.
LANGUAGE: English

UNIVERSITY OF NEWCASTLE UPON TYNE
Department of Zoology
Newcastle upon Tyne, NE1 7RU, UK
CONTACT PERSON: Dr. Aroicara E. Brown
PROGRAMS: Fisheries - MS
FIELDS OF INTEREST:
One-year MS course in Tropical Coastal Management with subjects: coastal zone as a system; tropical marine pollution; tropical coastal fisheries management; physical processes in the coastal zone; ecological surveys and data analysis
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF ST. ANDREWS
Gatty Marine Laboratory
St. Andrews, Fife KY16 9LB, UK
CONTACT PERSON: Prof. I.A. Johnston, Director
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
MS and PhD in Marine Biology or Neurobiology
LANGUAGE: English

WHITE FISH AUTHORITY
Industrial Development Unit
St. Andrew's Dock, Hull HU3 4QE, UK
CONTACT PERSON: Training Services Manager
FIELDS OF INTEREST:
Mariculture
SHORT COURSES:
Introduction to Mariculture (25 days, repeated several times a year)
LANGUAGE: English

WOLVERHAMPTON POLYTECHNIC
Moilneux, Moilneux St., Wolverhampton, WV1 1SB, UK
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
BSc and BSc - Hons in Applied Sciences
Programs have a course on aquatic sciences, including hydrobiology, water resources and processing.
LANGUAGE: English
INSTITUTE OF OCEANOGRAPHY AND FISHERIES
P.O. Box 114, 58001 Split, Yugoslavia
CONTACT PERSON: Slobodan Alfirevic, Director
PROGRAMS: Fisheries - Certificate
SHORT COURSES:
  Three-month General Course in Fisheries Science for personnel from developing countries
LANGUAGE: English
INSTITUTE OF MARINE BIOLOGY
Casilla de Correo 175
Playa Grande, Mar del Plata, Argentina
FIELDS OF INTEREST:
Offers undergraduate courses on fish biology, ichthyology, general biological oceanography.
LANGUAGE: Spanish

BERMUDA BIOLOGICAL STATION
17 Biological Station Lane, Ferry Reach GE 01, Bermuda
CONTACT PERSON: Education Director
PROGRAM: Gen. Courses - graduate and undergraduate
FIELDS OF INTEREST:
The station hosts a regular program of undergraduate and graduate summer courses in marine science.
SHORT COURSES:
Analysis of Marine Pollution; Biogeochemical Cycling Processes in Coastal Carbonate-Organic Systems; Zooplankton Ecology; Tropical Marine Invertebrates; Biology of Fishes, Marine Microbial Ecology
LANGUAGE: English

FEDERAL UNIVERSITY OF CEARA
Department of Engineering
P.O. Box 1072, Fortaleza - Ceara, Brazil
PROGRAMS: Gen. Courses - graduate courses
FIELDS OF INTEREST:
Offers graduate courses on fisheries, marine science, hydrobiology, etc.
LANGUAGE: Portuguese

FUNDACION UNIVERSIDAD DE RIO GRANDE
Dep. de Oceanografia
Cx. Postal 474, 96200 Rio Grande, R.G., Brazil
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
MS in Biological Oceanography

UNIVERSITY OF SAO PAULO
Institute of Oceanography
P.O. Box 698, Sao Paulo, Brazil
PROGRAMS: Fisheries - BS
FIELDS OF INTEREST:
General fishery sciences, general oceanography, marine biology
LANGUAGE: Portuguese

UNIVERSIDAD AUSTRAL DE CHILE
Institute of Zoology
Casilla 567, Isla Teja, Valdivia, Chile
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
Undergraduate courses on fish biology, population dynamics, marine and freshwater aquaculture, etc.
LANGUAGE: Spanish

UNIVERSIDAD DEL NORTE - SEDE COQUIMBO
Departamento de Aquacultura
Larrondo 1281 - Casilla 117, Coquimbo, Chile
CONTACT PERSONS: Juan E. Bucher, E. Uribe
PROGRAMS: Aquaculture - BS
FIELDS OF INTEREST:
The Aquaculture Program provides training on aquaculture systems and on how to design, install, operate, manage, control and evaluate complex culture systems.
LANGUAGE: Spanish
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSIDADE DEL VALLE
Facultad de Ciencias, Departamento de Biologia
UNIVALLE, Cali, Colombia
CONTACT PERSON: Francisco Rodriguez
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
BS Marine Science with courses on aquaculture, ichthyology, marine biology, marine ecology, etc.
LANGUAGE: Spanish
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF BOGOTA
Fundacion Jorge Tadeo Lozano
Colombia
FIELDS OF INTEREST:
The School of Marine Science trains marine biologists in biology of continental waters.

UNIVERSITY OF CALDAS
Fish Culture Section
Colombia
FIELDS OF INTEREST:
The School of Veterinary Medicine and Fish Culture Section specialize in experimental fish culture.

UNIVERSIDAD DE COSTA RICA
Centre de Investigacion en Ciencias del Mar y Limnologia (CIMAR)
Rodrigo Facio, Costa Rica
PROGRAMS: Gen. Courses - BS and MS in Biology
FIELDS OF INTEREST:
MS in Marine Biology with specialization on molecular biology, botany, genetics, ecology, and zoology
SHORT COURSES:
Various aspects of fishery science (regional level); conducted in capacity as counterpart for the FSA-AID-CRSP (not on a regular basis).
LANGUAGE: Spanish
NOTES: Conducts short courses and individual training on request.
ESCUELA SUPERIOR POLITÉCNICA DE LITORAL (ESPOL)
San Pedro de Manglaralto, Ecuador
CONTACT PERSONS: Edgar Arellano, Dr. Y. Akamine
FIELDS OF INTEREST:
Offers a 3-year degree program in Coastal Marine Studies. ESPOL has mastered the art and science of spawning female shrimps and raising the offspring to the postlarvae stage.
SHORT COURSES:
Five-week national training course for shrimp hatchery technicians (the very first was held in 1985). Other similar training courses are being considered.

UNIVERSITY OF GUAYAQUIL
Ecuador
FIELDS OF INTEREST:
Offers courses on or related to marine biology.

IFREMER - FRANCE AQUACULTURE
Experimental Station
BP 477 - 97302 Cayenne, French Guiana
CONTACT PERSON: Dr. J.N. Griessinger
PROGRAMS: Aquaculture - technical training
FIELDS OF INTEREST:
Rearing of giant freshwater prawn
SHORT COURSES:
Aquaculture Course on the Rearing of Giant Freshwater Prawn (1-8 months)
LANGUAGE: French, English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

PANAMERICAN AGRICULTURAL SCHOOL
Box 93, Tegucigalpa, Honduras
CONTACT PERSON: Daniel E. Meyer
PROGRAMS: Aquaculture - BS
SHORT COURSES:
General Aquaculture; Tilapia Culture
LANGUAGE: Spanish
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF THE WEST INDIES
Department of Zoology
Mona Campus, St. Andrew, Kingston 7, Jamaica, W.I.
CONTACT PERSON: Dr. R.D. Steele
PROGRAMS: Aquaculture - BS, MS, PhD
FIELDS OF INTEREST:
For aquaculture: ecology of culture environments; juvenile production; ponds and other rearing structures; fish, oyster and shrimp culture; aquaculture economics. For fisheries: fish biology; population dynamics; Caribbean and world fisheries
LANGUAGE: English

NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

CENTRO NACIONAL DE CIENCIAS Y TECNOLOGIA MARINAS
Mexico
FIELDS OF INTEREST:
Trains mid-level and top-level fisheries technicians in aquaculture.

LA MOLINA UNIVERSITY
Peru
FIELDS OF INTEREST:
Continental and marine aquaculture

UNIVERSIDAD NACIONAL AGRARIA
College of Fisheries, Faculty of Fisheries
Apartado 456, Lima, Peru
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
Undergraduate courses include: fish pathology, freshwater aquaculture, fisheries economics, etc.
LANGUAGE: Spanish

UNIVERSIDAD CENTRAL DE VENEZUELA
Faculty of Veterinary Science
Apartado de Correo No. 4563
Maracay 2101, Edo. Aragua, Venezuela
CONTACT PERSON: Dr. D.A. Conroy
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
MS Program in Aquatic Pathobiology with focus on: bacteriology, histology, parasitology, haematology, prevention and control re. grey mullets, pompanos, edible characins and cichlids, South American catfish and salmonids.
LANGUAGE: Spanish
NOTES: Accepts applicants from developing countries.

UNIVERSIDAD DE ORIENTE
Venezuela
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
Graduate Program in Marine Biology includes mariculture and fish culture courses.
ACADIA UNIVERSITY
Department of Biology
Wolfville, NS BOP 1X3, Canada
CONTACT PERSON: Dr. F.C. Bent
PROGRAMS: Fisheries - MS
FIELDS OF INTEREST: 
MS Program in Fish, Game and Wildlife Management
LANGUAGE: English

DALHOUSIE UNIVERSITY
Department of Biology
Halifax, Nova Scotia, B3H 4H9, Canada
CONTACT PERSON: Dr. Barry F. Newkirk
PROGRAMS: Gen. Courses - Diploma, BS, MS 
FIELDS OF INTEREST: 
BS, MS Marine Biology with courses in: biology, physiology of marine animals, aquatic microbiology, limnology, fisheries oceanography, etc. Graduate-level Diploma in Marine Affairs focus on: law and administration, technology, or management.
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MALASPINA COLLEGE
900 Fifth St., Nanaimo, B.C. V9R 5S5, Canada
CONTACT PERSONS: Bruce Fraser, W. Pennell
FIELDS OF INTEREST: 
Two-year Aquaculture and Fisheries Technology Program offers training in cold and warmwater finfish culture, invertebrate culture, and fisheries field techniques. The practicum is done at the Pacific Biological Station, and at salmonid hatcheries and trout farms.
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

MARINE INSTITUTE
Institute of Fisheries and Marine Technology
P.O. Box 4920, St. John's, Newfoundland, Canada
PROGRAMS: Aquaculture - Graduate Diploma 
                 Gen. Courses - vocational, Diploma, Certificate
FIELDS OF INTEREST: 
Diploma of Technology in Marine Engineering, Industrial Engineering, Nautical Science, Naval Architecture, etc.; Graduate Diploma in Aquaculture; Certificate of Technology in Industrial Instrumentation, Small Craft Design, or Marine Electronics
SHORT COURSES: Vocational Certificate Program in Refrigeration Plant Operation, Marine Diesel Mechanics, Marine Steelwork, Marine Electrical, Seafood Processing; a wide range of short courses.
LANGUAGE: English

MCGILL UNIVERSITY
Marine Science Center
Faculty of Graduate Studies and Research
Montreal, PQ H3A 215, Canada
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST: Marine biology
LANGUAGE: English

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
Marine Sciences Research Laboratory
St. Johns, Newfoundland, A1C 5S7, Canada
CONTACT PERSON: Dr. Lawrence Crim
PROGRAMS: Aquaculture - MS, PhD 
Fisheries - MS, PhD 
Gen. Courses - MS, PhD
FIELDS OF INTEREST: MS and PhD in Marine Biology
LANGUAGE: English
NOTES: The Island of Newfoundland offers excellent opportunities for the study of boreal tundra and wetland communities and is well endowed with freshwater habitats.

TECHNICAL UNIVERSITY OF NOVA SCOTIA
P.O. Box 1000, Halifax, Nova Scotia, B3J 2X4, Canada
PROGRAMS: Aquaculture - MS, PhD 
FIELDS OF INTEREST: MS and PhD Program in Aquaculture Technology (through the Canadian Institute of Fisheries Technology). The university also does research on fisheries engineering.
SHORT COURSES: Applied Fish Technology Course (5 days, held annually) - mainly on fish handling and processing. Other short courses can be arranged on the following topics: fish handling, various processing methods, refrigeration, aquaculture technology.
LANGUAGE: English
NOTES: Conducts short courses on request.

UNIVERSITE DU QUEBEC A CHICOUTIMI
Program in Aquatic Resources Productivity
Chicoutimi, Quebec, G7H 2B1, Canada
CONTACT PERSON: Raynald Cote
PROGRAMS: Aquaculture - MS 
Fisheries - MS
FIELDS OF INTEREST: Multidisciplinary approach to aquatic productivity with emphasis on: integration of applied and basic research, generation of skilled personnel, etc. Curriculum includes: ecological impact studies, aquaculture (polyculture), reproduction, etc.
LANGUAGE: French, English
NOTES: Conducts individual training on request; accepts applicants from developing countries.
UNIVERSITY OF GUELPH
Department of Zoology
Guelph, Ontario N1G 2W1, Canada
PROGRAMS: Gen. Courses - BS
FIELDS OF INTEREST:
Offers 4-year Honors BS Program in Fish Biology and Marine Biology. Other courses related to fish sciences are offered in the Departments of Microbiology, Nutrition, and Pathology. The university is home of the Group for the Advancement of Fish Studies (GAFS).
LANGUAGE: English

UNIVERSITY OF VICTORIA
Program in Marine Biology, Department of Biology
Faculty of Arts and Sciences
Victoria, BC V8W 2Y2, Canada
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
Marine biology
LANGUAGE: English

AUBURN UNIVERSITY
Swingle Hall, DFAA and ICA
AL 36849-4201, USA
CONTACT PERSON: E. W. Shell
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
BS in Fisheries Management or Aquaculture; M.S. and Ph.D. in Aquaculture
SHORT COURSES:
Various aspects of sport fisheries and aquaculture. The 16-week graduate Aquaculture Training Program is an alternative to a degree course in aquaculture. The emphasis is on pond culture of warmwater freshwater fish.
LANGUAGE: English
NOTES:
Conducts short courses and individual training on request; accepts applicants from developing countries.

BOSTON UNIVERSITY
Department of Biology
Boston, MA 02215, USA
CONTACT PERSON: Richard Whittaker
PROGRAMS: Gen. Courses - BS, MA, PhD
FIELDS OF INTEREST:
Department offers BS in Marine Science, MA and PhD in Marine Studies. Current academic focus: cell and developmental biology, sensory physiology, salt marsh ecology.
LANGUAGE: English

CALIFORNIA STATE COLLEGE, STANISLAUS
Program in Marine Science
Turlock, CA 95380, USA
CONTACT PERSON: Walter Tordoff III
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
BS in Marine Biology, MS in Marine Science
LANGUAGE: English

CALIFORNIA STATE UNIVERSITY, FRESNO
Department of Biology, School of Natural Sciences
Fresno, CA 93740, USA
CONTACT PERSON: Jerome Mangan
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
MS Program in Marine Sciences
LANGUAGE: English

CLARK UNIVERSITY
Program in Marine Biology, Department of Biology
Worcester, MA 01610, USA
CONTACT PERSON: Dr. Timothy Lyerla
PROGRAMS: Gen. Courses - MA, PhD
FIELDS OF INTEREST:
Marine biology
LANGUAGE: English

CLEMSON UNIVERSITY
Department of Agricultural Economics
Clemson, South Carolina 29634-0355, USA
CONTACT PERSON: Robert S. Pomeroy
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Courses include: microeconomic theory, production economics, financial management, investment analysis, bioeconomics analysis, marketing of aquaculture products, public policy and aquaculture, international aquaculture development.
SHORT COURSES:
Aquaculture Economics
LANGUAGE: English
NOTES:
Conducts short courses and individual training on request; accepts applicants from developing countries.

CLEMSON UNIVERSITY
Department of Entomology, Fisheries and Wildlife
College of Agricultural Sciences, Barre Hall
Clemson, South Carolina 29634-0355, USA
CONTACT PERSON: Dr. Jeffrey W. Foltz
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST:
MS Program in Wildlife Biology has courses related to fisheries and aquaculture. Among these are: fishery biology, impoundment management, aquaculture, aquatic productivity, biology of marine organisms.
SHORT COURSES:
Intensive 2-week course, Aquaculture Economics, offered annually.
LANGUAGE: English
NOTES:
Does not accept applicants from developing countries.
COLLEGE OF CHARLESTON
Program in Marine Biology
Charleston, SC 29424, USA
CONTACT PERSON: Dr. Thomas C. Cheng
PROGRAMS: Gen. Courses - BS, MS
FIELDS OF INTEREST:
- Development of techniques for in vitro fertilization of decapod crustaceans
LANGUAGE: English

COLLEGE OF WILLIAM AND MARY
School of Marine Science
Virginia Institute of Marine Science (VIMS)
Gloucester Point, VA 23062, USA
CONTACT PERSON: Dr. John M. Zeigler
PROGRAMS: Aquaculture - MS, PhD
Fisheries - MS, PhD
Gen. Courses - MS, PhD
FIELDS OF INTEREST:
- Focus on: maintaining the productivity of Chesapeake Bay; seadbeds in the James River; organic pollutants in the Elizabeth River; bay-wide monitoring of striped bass studies, and oyster aquaculture.
SHORT COURSES:
- VIMS' Aquaculture Method for Hard Clams
LANGUAGE: English
NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

COLORADO STATE UNIVERSITY
Department of Fisheries and Wildlife Biology
Fort Collins, Colorado 80523, USA
CONTACT PERSON: Stephen A. Flickinger
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
Gen. Courses - MS, PhD
SHORT COURSES:
- Warmwater Fish Culture; Coldwater Fish Culture
LANGUAGE: English
NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

CONSORTIUM FOR INTERNATIONAL FISHERIES AND AQUACULTURE DEVELOPMENT (CIFAD)
266 Waldo Hall, Oregon State University
Corvallis, Oregon 97331, USA
CONTACT PERSON: Dr. Alfred M. Beeton
FIELDS OF INTEREST:
- Aquaculture (marine, fresh, cold and temperate waters); assessment (abundance, distribution, yield modeling); diseases; economics; engineering. CIFAD members: University of Arkansas at Pine Bluff, University of Hawaii, University of Michigan, Michigan S.U., Oregon S.U.
SHORT COURSES:
- Various courses held at the different CIFAD member universities.
LANGUAGE: English + 20 others

FLORIDA ACADEMY
National Fisheries Center - Lee Town
US Fish and Wildlife Center
Box 700, Kearneysville, WV 25430, USA
CONTACT PERSON: Superintendent
PROGRAMS: Aquaculture - vocational
Fisheries - vocational
FIELDS OF INTEREST:
- Training courses on aquaculture and fisheries for professional and technical fisheries workers.
SHORT COURSES:
- Fish Health Management and Disease Diagnosis (8 months); Fish Hatchery Management (9 months). Other courses, on contract basis (1 week): Chemicals Used in Hatchery Management Practices; Biostatistics; Fishery Management of Small Impoundments; etc. One to 2-week courses on fish culture, fish health, electrofishing, hatchery management, others.
LANGUAGE: English
NOTES:
- Conducts short courses on request; accepts applicants from developing countries.

FLORIDA INSTITUTE OF TECHNOLOGY
Program in Marine Biology
Department of Biological Sciences
School of Engineering
Melbourne, FL 32901, USA
CONTACT PERSON: Dr. G.C. Webster
PROGRAMS: Gen. Courses - BS, MS, PhD
FIELDS OF INTEREST:
- Ecology of coral reef fish communities and biology of Foraminifera; ecology, physiology, reproduction and morphology of sea stars, sea urchins and other echinoderms.
LANGUAGE: English

FLORIDA STATE UNIVERSITY
Program In Marine Biology
Department of Biological Sciences
CAS, Tallahassee, FL 32306, USA
CONTACT PERSON: Dr. Marc E. Freeman
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
- Ecology of coral reef fish communities and biology of Foraminifera; ecology, physiology, reproduction and morphology of sea stars, sea urchins and other echinoderms.
LANGUAGE: English

FROSTBURG STATE COLLEGE
Program in Fisheries and Wildlife Management
Frostburg, MD 21532, USA
CONTACT PERSON: Dr. K. Fuller
PROGRAMS: Fisheries - MS
FIELDS OF INTEREST:
- MS Program in Fisheries Management
LANGUAGE: English
HAYWOOD TECHNICAL COLLEGE  
Freedlander Drive, Clyde, North Carolina 28721, USA  
CONTACT PERSON: Charles W. Johnson  
SHORT COURSES: Occasional short courses on trout culture and salmonid fish health  
LANGUAGE: English  

HUMBOLDT STATE UNIVERSITY  
School of Natural Resources  
Arcata, CA 95521, USA  
CONTACT PERSON: Carol Barnes  
PROGRAMS: Fisheries - BS, MS  
FIELDS OF INTEREST: BS and MS Programs in Fisheries with specialization in:  
adult population dynamics, fish disease and pathology,  
fisheries economics, fisheries and technology,  
aquatic resource assessment, wastewater aquaculture, invertebrate fisheries  
LANGUAGE: English  

INTERNATIONAL INSTITUTE FOR CIVIL ENGINEERING  
Department of Civil Engineering  
International School for Water Resources  
Colorado State University  
Fort Collins, CO 80523, USA  
CONTACT PERSON: Janet Lee Montera  
FIELDS OF INTEREST: Up-to-date short courses on advanced  
topics in civil engineering.  
SHORT COURSES: Annually offers 4-6 month courses in:  
Hydraulic Structures and Hydromachinery,  
Water Resources Impact Assessment,  
Microcomputers in Irrigation and Water Management, Hydrology and Systems Analysis, Water Quality Engineering,  
Wind/Environmental Engineering.  
LANGUAGE: English  
NOTES: Accepts applicants from developing countries.  

JUNEAU-DOUGLAS COMMUNITY COLLEGE  
University of Alaska  
Juneau, Alaska 99801, USA  
FIELDS OF INTEREST: Offers vocational-technical programs and  
courses to meet the needs of industries in  
the Juneau area. Marine-related  
programs are emphasized because of the  
relative importance of the marine  
industries in Southeast Alaska. Has a  
Faculty of Fisheries Technology.  
LANGUAGE: English  

LONG ISLAND UNIVERSITY  
Program in Marine Biology, Department of Biology  
CW Post Campus, Greenvale, NY 11548, USA  
CONTACT PERSON: Margaret S. Hertz  
PROGRAMS: Gen. Courses - MS  
FIELDS OF INTEREST:  
LANGUAGE: English  

LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE  
School of Forestry, Wildlife and Fisheries  
Baton Rouge, LA 70803, USA  
CONTACT PERSON: Dr. Thomas Hansbrough  
PROGRAMS: Fisheries - MS, PhD  
FIELDS OF INTEREST: Program in Fisheries and Wildlife Management  
LANGUAGE: English  

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Program in Biological Oceanography  
Department of Biology, School of Science  
Cambridge, MA 02139, USA  
CONTACT PERSON: Dr. Gene Monte Brown  
PROGRAMS: Gen. Courses - PhD  
FIELDS OF INTEREST: Program in Fisheries and Wildlife with  
specialization in: fish nutrition, fish physiology and limnology, or aquaculture  
LANGUAGE: English  
NOTES: Accepts applicants from developing countries.  

MICHIGAN STATE UNIVERSITY  
Department of Fisheries and Wildlife  
East Lansing, MI 48824, USA  
CONTACT PERSON: Dr. Niles Kevern  
PROGRAMS: Fisheries - MS, MS, PhD  
FIELDS OF INTEREST: Program in Fisheries and Wildlife  
with specialization in: fish nutrition, fish physiology and limnology, or aquaculture  
LANGUAGE: English  
NOTES: Accepts applicants from developing countries.  

MISSISSIPPI STATE UNIVERSITY  
Department of Wildlife and Fisheries  
Mississippi State, MS 39762, USA  
CONTACT PERSON: Dr. D. H. Amor  
PROGRAMS: Fisheries - BS, MS, PhD  
FIELDS OF INTEREST: Program in Fisheries Management  
LANGUAGE: English  

MOSS LANDING MARINE LABORATORIES  
Box 450, Moss Landing, CA 95039, USA  
PROGRAMS: Gen. Courses - BS, MS  
FIELDS OF INTEREST:  
LANGUAGE: English  
NOTES: It is operated by a consortium of 6  
campuses of California state universities  
and colleges.
<table>
<thead>
<tr>
<th>New Mexico State University</th>
<th>Design, operations management, and special training.</th>
<th>Various on aquaculture</th>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio State University</td>
<td>The Marine Studies Program offers courses on marine microbiology, marine invertebrate zoology, ichthyology, aquaculture, coastal and submarine physiography, etc.</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Oklahoma State University</td>
<td>Emphasis on culture techniques that require low capital and minimum maintenance technology (for developing countries with little capital to invest and poor technological support systems).</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>Oregon State University</td>
<td>Master of Agriculture in Aquaculture; MS and PhD in Fisheries; BS in Fisheries Science; MS in Marine Resource Management. Special areas of study: wildlife and fisheries ecology, coldwater marine and freshwater aquaculture, resources economics.</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>Research Planning Institute, Inc.</td>
<td>Coastal Oceanography for Fisheries Workers (2 weeks)</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>San Diego State University</td>
<td>Various on aquaculture</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>San Francisco State University</td>
<td>Various on aquaculture</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>South Dakota State University</td>
<td>Various on aquaculture</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
<tr>
<td>Southeastern Massachusetts University</td>
<td>Various on aquaculture</td>
<td>Accepts applicants from developing countries.</td>
<td>English</td>
</tr>
</tbody>
</table>
SOUTHERN ILLINOIS UNIVERSITY
Fisheries Research Laboratory
Carbondale, Illinois 62901, USA
CONTACT PERSON: Dr. Christopher C. Kohler
PROGRAMS: Aquaculture - MS, PhD
Fisheries - MS, PhD
FIELDS OF INTEREST:
Offers MS and PhD degrees with specialization in fisheries and aquaculture. Has been involved in aquacultural research on striped bass, largemouth bass and tilapia. Staff are used to handling overseas students with language problems.

LANGUAGE: English

TEXAS A AND M UNIVERSITY
Department of Wildlife and Fisheries Science
College of Agriculture
College Station, TX 77843-2258, USA
CONTACT PERSON: W.G. Klussmann
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Has wide interests in aquaculture research and training. Has a freshwater aquaculture research facility where some integrated farming work has been done. Strengths in training are in mariculture (especially crustaceans) and freshwater pond systems.

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

TEXAS TECH UNIVERSITY
Department Range and Wildlife Management
College of Agricultural Sciences
Box 4169/Lubbock, TX 79409-4169, USA
CONTACT PERSON: H.L. Schramm, Jr.
PROGRAMS: Fisheries - BS, MS

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF ALASKA, FAIRBANKS
Program of Wildlife and Fisheries Management
Division of Life Sciences, College of Natural Sciences
AK 99701, USA
CONTACT PERSON: Dr. Steve McClean
PROGRAMS: Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Structure and function of arctic and subarctic freshwater ecosystems

LANGUAGE: English

UNIVERSITY OF ALASKA, JUNEAU
School of Fisheries Science
Juneau, AK 99801, USA
CONTACT PERSON: Dr. Ole Mathison
PROGRAMS: Fisheries - BS, MS
Gen. Courses - MS

PROFILE:
Offers BS and MS Program In Fisheries, with emphasis on aquaculture. Areas of specialization include: hydroacoustics, salmon genetics, aquaculture (salmonid aquaculture and ranching).

LANGUAGE: English

UNIVERSITY OF ARIZONA
Tucson, AZ 85721, USA
CONTACT PERSON: Dr. Bill Shaw
PROGRAMS: Fisheries - BS, MS, PhD

LANGUAGE: English

UNIVERSITY OF ARKANSAS AT PINE BLUFF
Fisheries Program
Departments of Agriculture and Biology
Pine Bluff, Arkansas 71601, USA
PROGRAMS: Gen. Courses - BS

FIELDS OF INTEREST:
BS in Fisheries Biology with courses in: fisheries science, ichthyology, limnology, fish pond management, fisheries special topics, fisheries seminar

LANGUAGE: English
NOTES: Conducts individual training on request.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
Department of Biology
Los Angeles, CA 90024, USA
CONTACT PERSON: Prof. Malcolm S. Gordon
PROGRAMS: Fisheries - BS, MS, PhD

FIELDS OF INTEREST:
The University of California System offers aquaculture training programs in its campuses at Davis, Berkeley, Santa Barbara, Santa Cruz and San Diego. The Program in Biology has Marine Biology as an area of concentration.

LANGUAGE: English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

UNIVERSITY OF CALIFORNIA, SAN DIEGO
Scripps Institution of Oceanography
La Jolla, CA 92093, USA
CONTACT PERSON: Dr. Richard Rosenblatt
PROGRAMS: Gen. Courses - MS, PhD

FIELDS OF INTEREST:
Graduate Program in Marine Biology with focus on: physiology and biochemistry, photobiology, developmental biology and genetics

LANGUAGE: English

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Department of Biological Sciences
College of Letters and Sciences
Santa Barbara, CA 93106, USA
CONTACT PERSON: George Taborsky
PROGRAMS: Gen. Courses - MA, PhD

FIELDS OF INTEREST:
Graduate Program in Marine Biology with focus on: physiology and biochemistry, photobiology, developmental biology and genetics

LANGUAGE: English
FIELDS OF INTEREST:
Program in Aquatic and Population Biology

LANGUAGE: English

UNIVERSITY OF GEORGIA
School of Forest Resources
Athens, Georgia 30602, USA

PROGRAMS:
Gen. Courses - MS

FIELDS OF INTEREST:
Offers courses in aquaculture, fisheries management, fish physiology, and fish ecology. Offers MS in Wildlife and Fisheries with courses in fish ecology, fisheries management, aquaculture, fish population dynamics, etc.

LANGUAGE: English

UNIVERSITY OF HOUSTON - UNIVERSITY PARK
College of Natural Sciences and Mathematics
University Park, Houston, TX 77004, USA

CONTACT PERSON: G. Aumann

PROGRAMS: Gen. Courses - MS, PhD

FIELDS OF INTEREST:
Graduate Program in Marine Biology with focus on: phylogeny (emphasis on physiology), biochemistry and infrastructure of marine phytoplankton

LANGUAGE: English

UNIVERSITY OF IDAHO
Department of Fish and Wildlife Resources
Moscow, Idaho 83843, USA

CONTACT PERSON: Ernest D. Ables

PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD

FIELDS OF INTEREST:
BS and Graduate Program in Fishery Resources with areas of study in: aquatic pollution ecology; fish behavior; fish culture, diseases, ecology, physiology, management, and limnology

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF IOWA
Program in Marine Biology, Department of Zoology

UNIVERSITY OF MARYLAND AT BALTIMORE COUNTY
Program in Marine-Estuarine-Environmental Sciences

UNIVERSITY OF MARYLAND AT COLLEGE PARK
Graduate Program in Marine-Estuarine-Environmental Sciences

UNIVERSITY OF MARYLAND AT COLLEGE PARK
Graduate Program in Marine-Estuarine-Environmental Sciences

UNIVERSITY OF MARYLAND AT COLLEGE PARK
Graduate Program in Marine-Estuarine-Environmental Sciences

UNIVERSITY OF MARYLAND AT COLLEGE PARK
Graduate Program in Marine-Estuarine-Environmental Sciences

UNIVERSITY OF MARYLAND AT COLLEGE PARK
Graduate Program in Marine-Estuarine-Environmental Sciences

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF MASSACHUSETTS AT AMHERST
Department of Forestry and Wildlife
Amherst, MA 01003, USA

CONTACT PERSON: Dr. Deegan

PROGRAMS: Aquaculture - MS, PhD
Fisheries - BS, MS, PhD
Gen. Courses - BS, MS, PhD

LANGUAGE: English
NOTES: Conducts individual training on request; accepts applicants from developing countries.
UNIVERSITY OF MASSACHUSETTS AT BOSTON
Program in Applied Marine Ecology
Boston, MA 02125, USA
CONTACT PERSON: Dr. Kamaljlt Bawd
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST: MS Program in Applied Marine Ecology
LANGUAGE: English

UNIVERSITY OF MIAMI
DBLR. School of Marine and Atmospheric Science
Coral Gables, FL 33124, USA
CONTACT PERSON: Dr. Peter Lutz
PROGRAMS: Fisheries - MS, PhD
FIELDS OF INTEREST: Program in Marine Biology with studies on: phyto and zooplankton, coral, vertebrates
LANGUAGE: English

UNIVERSITY OF MICHIGAN
Program in Ecology, Fisheries and Wildlife
School of Natural Resources
Ann Arbor, MI 48109, USA
CONTACT PERSON: Frank Hooper
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST: Water resources management, water resources science
LANGUAGE: English

UNIVERSITY OF MISSOURI
Fisheries and Wildlife
112 Stephens Hall, Columbia, MO 65221, USA
CONTACT PERSON: John R. Jones
PROGRAMS: Fisheries - BS, MS, PhD
FIELDS OF INTEREST: Among the areas of specialization of the faculty are: fisheries ecology; fish ecology; ichthyology; limnology; stream ecology; invertebrate ecology.
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF NEW HAMPSHIRE
Marine Program
NH 03824, USA
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST: Marine biology
LANGUAGE: English

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
Programs in Marine Biology
Wilmington, NC 28403, USA
CONTACT PERSON: Dr. James F. Merritt
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST: Marine biology
LANGUAGE: English

DEPARTMENT OF BIOLOGY, CAS
Grand Forks, ND 58202, USA
PROGRAMS: Fisheries - MS, PhD
FIELDS OF INTEREST: Fisheries management
LANGUAGE: English

UNIVERSITY OF NOTRE DAME
Program in Aquatic Biology, Department of Biology
Division of Science
Notre Dame, IN 46556, USA
CONTACT PERSON: Dr. Morton S. Fuchs
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST: Aquatic plant productivity, aquatic community studies, fish reproductive endocrinology
LANGUAGE: English

UNIVERSITY OF OKLAHOMA
Program in Fisheries Biology
Department of Zoology, CAS
Norman, OK 73019, USA
CONTACT PERSON: Dr. Loren G. Hill
PROGRAMS: Gen. Courses - MS
FIELDS OF INTEREST: Marine biology
LANGUAGE: English

UNIVERSITY OF OREGON
Program in Marine Biology, Department of Biology
CAS, Eugene, OR 97403, USA
CONTACT PERSON: Roderick Capaldl
PROGRAMS: Gen. Courses - MA, MS, PhD
FIELDS OF INTEREST: Marine biology
LANGUAGE: English

UNIVERSITY OF RHODE ISLAND
Aquaculture Science and Pathology Department
Kingston, RI 02881, USA
PROGRAMS: Aquaculture - MS
FIELDS OF INTEREST: MS in Fisheries Science, Advanced Aquaculture Systems and Fish Nutrition; PhD in Marine Pathology, Including virology
LANGUAGE: English

UNIVERSITY OF RHODE ISLAND
Department of Fisheries and Marine Technology, CRD
35 Steamboat Ave., Wickford, RI 02852, USA
PROGRAMS: Fisheries - Certificate, Associate Degree
GEN. COURSE - MA
FIELDS OF INTEREST: Two-year Associate Degree Program in Commercial Fisheries; MA in Marine Affairs. Other marine related programs include: fisheries and marine technology, microcomputer applications, food science and nutrition, biology and...
aquaculture, oceanography, marine resource economics

SHORT COURSES:
Conducts fisheries training for foreign students in cooperation with the International Center for Marine Resource Development (ICMRD), College of Resource Development. Some courses are: Information from the Harvest Sector, Microcomputer Applications, Minimizing Postharvest Losses.

LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

UNIVERSITY OF SOUTH CAROLINA
S. Carolina Aquaculture and Mar in Programs International Baruch Institute Columbia, SC 29208, USA
CONTACT PERSON: Roger Palm, Director
FIELDS OF INTEREST:
Mariculture engineering, crustacean culture, fish culture, mollusc culture, water quality management, mariculture economics, coastal resource management

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF SOUTH FLORIDA
Program in Marine Biology, Department of Biology College of Natural Sciences Tampa, FL 33620, USA
CONTACT PERSON: Dr. Daniel V. Lim
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
Marine biology; marine benthic ecology, macrofauna, physiology, crustacean reproduction, physiological ecology, echinoderm biology, invertebrate larval biology, marine mycology, marine microbiology, and invertebrate biochemistry

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF SOUTHERN CALIFORNIA
Department of Biological Sciences Los Angeles, CA 90089, USA
CONTACT PERSON: Dr. M. Michael Appleman
PROGRAMS: Gen. Courses - MS, PhD (Marine Biology)
FIELDS OF INTEREST:
Marine biology

LANGUAGE: English

UNIVERSITY OF SOUTHERN MISSISSIPPI
Department of Biological Sciences Hattiesburg, MS 39406, USA
CONTACT PERSON: Dr. B.J. Martin
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
Marine biology

LANGUAGE: English

UNIVERSITY OF TENNESSEE
Department of Forestry, Wildlife and Fisheries Knoxville, Tennessee 37901-1071, USA
CONTACT PERSONS: J.L. Wilson, R.J. St. Ange
PROGRAMS: Fisheries - MS, PhD (in Ecology)
Gen Courses - BS
FIELDS OF INTEREST:
Stream and reservoir fisheries management and nutrition in aquaculture. Fisheries management: introduction of non-native fishes in area reservoirs; control of aquatic vegetation in ponds; etc. Aquaculture: physiology; polyculture of channel catfish and others

SHORT COURSES:
Fish Diseases

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF VERMONT
Wildlife and Fisheries Biology Program 325 Aiken Center for Natural Resources Burlington, VT 05405, USA
CONTACT PERSONS: Dr. George W. LaBar, D.H. Hirth
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST:
Wildlife and Fisheries Biology Program has a fisheries biology option. Sample courses are: fisheries biology, limnology, ichthyology, wetland ecology, water resource principles. (The program is offered at the G.D. Aiken Center for Natural Resources.)

LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF WASHINGTON
School of Fisheries Seattle, WA 98195, USA
CONTACT PERSON: Dr. Lynwood S. Smith
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Programs in: Aquaculture and Invertebrate Fisheries (salmonid and shellfish aquaculture); Quantitative Science in Fisheries (applied math and statistics plus use of computers); Fisheries Science and Aquatic Ecology (resource management, ichthyology, ecology)

SHORT COURSES:
Fish Feed Technology and Nutrition

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF WISCONSIN AT EAU CLAIRE
Eau Claire, WI 54702, USA
USA overseas 43

CONTACT PERSON: Dr. Victor Cvancara
SHORT COURSES: Ichthyology
LANGUAGE: English
NOTES: Conducts short courses on request.

UTAH STATE UNIVERSITY
Department of Fisheries and Wildlife
Logan, UT 84322-5210, USA
CONTACT PERSON: Dr. Joseph A. Chapman
PROGRAMS: Aquaculture - BS, MS, PhD
Fisheries - BS, MS, PhD
Gen. Courses - BS, MS, PhD
FIELDS OF INTEREST:
BS, MS and PhD Programs in Fisheries and Wildlife Management, with specialization in Fisheries Management; and MS and PhD Programs in Aquatic Ecology, with specialization in Limnology and Stream Ecology.
LANGUAGE: English, Spanish (td)
NOTES: Conducts individual training on request; accepts applicants from developing countries.

VIRGINIA COMMONWEALTH UNIVERSITY
Box 2012, Richmond, VA 23284-0001, USA
CONTACT PERSON: Dr. G. Garman
PROGRAMS: Fisheries - BS, MS
FIELDS OF INTEREST:
Freshwater and estuarine ecology and fisheries management; fish physiology
LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
DFWS, School of Forestry and Wildlife Research
Blacksburg, VA 24061, USA
CONTACT PERSON: G.H. Cross
PROGRAMS: Fisheries - BS, MS, PhD
FIELDS OF INTEREST:
Program in Fisheries Management with research areas in: stream and river ecology and management, reservoir ecology and management, population dynamics, endangered species, environmental contamination, socioeconomic education.
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

WEST VIRGINIA UNIVERSITY
Division of Forestry, College of Agriculture and Forestry
P.O. Box 6125, Morgantown, WV 26506-6125, USA
CONTACT PERSON: D.E. Samuel
PROGRAMS: Fisheries - BS, MS, PhD
LANGUAGE: English
NOTES: Conducts short courses on request; accepts applicants from developing countries.

WOODS HOLE OCEANOGRAPHIC INSTITUTION (WHOI)
Woods Hole, MA 02543, USA
CONTACT PERSON: A.L. Pierson III
PROGRAMS: Fisheries - PhD
Gen. Courses - MS, PhD
FIELDS OF INTEREST:
PhD or ScD degree in Biological Oceanography can be pursued either under WHOI alone or the WHOI and MIT Joint Program. The program includes sessions on microbiology, phytoplankton, zooplankton, biogeochemistry, sediment dynamics, benthos, and evolution.
SHORT COURSES:
Summer Student Fellowships in Biology or Oceanography; traineeships in oceanography for minority group undergraduates (of US colleges and universities). These awards provide training and research experience in WHOI for 10-12 weeks. Research Fellowships in Marine Policy and Ocean Management 1989-90 for professionals and doctorates; the emphasis will be on the economics of ocean space and the role of science in governmental and industrial ocean policy
LANGUAGE: English
NOTES: Accepts applicants from developing countries.

UNIVERSITY OF GUAM
Mangilao, Guam 96913, USA
PROGRAMS: Gen. Courses - MS, PhD
FIELDS OF INTEREST:
Graduate Program in Biology may specialize in ichthyology. Some graduate courses: ichthyology, aquaculture, morphology of coral reefs and coral systematics, fisheries biology, etc.
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

OCEANIC INSTITUTE
Makapuu Point, Waimanalo, Hawaii 96795, USA
FIELDS OF INTEREST:
Provides training in the following areas: aquacultural feeds, aquaculture, genetics, penaeid shrimp and finfish (milkfish and mullet) culture, etc. Specializes in the development and transfer of technology through training.
SHORT COURSES:
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
UNIVERSITY OF HAWAII
Department of Agricultural Engineering
Honolulu, Hawaii 96822, USA
CONTACT PERSON: Dr. J.K. Wang
PROGRAMS: Aquaculture - BS, MS, PhD
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF HAWAII AT MANOA
Mariculture Research and Training Center (MRTC)
Hawaii Institute of Marine Biology
Kaneohe, Hawaii 96744, USA
CONTACT PERSON: Dr. Arlo W. Fast
PROGRAMS: Aquaculture - BS, MS, PhD
FIELDS OF INTEREST:
MRTC Individual training program includes: larviculture (hatchery) and pond growout management. Emphasis is strongly "hands-on", with intensive practical experience and appropriate literature reviews.

SHORT COURSES:
Shrimp Hatchery and Pond Management Workshops (generally 1-day events);
Shrimp Mariculture Training Program (3 to 6 months, offered year-round).

LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF HAWAII AT MANOA
Other departments
Box 1346 Coconut Island, Kaneohe, Hawaii 96744, USA
CONTACT PERSON: P. Helfrich
FIELDS OF INTEREST:
Other departments/institutes with some involvement in aquaculture: Animal Science, Agricultural and Resource Economics, Botany, Oceanography, Zoology, Waikiki Aquarium.

LANGUAGE: English

UNIVERSITY OF PUERTO RICO
Department of Marine Sciences
Mayaguez, Puerto Rico 00706, USA
CONTACT PERSON: Dr. M.L. Hernandez-Avila
PROGRAMS: Aquaculture - MS, PhD
Fisheries - MS, PhD
Gen. Courses - MS, PhD (Marine Biology)
FIELDS OF INTEREST:
Program in Marine Biology (subdisciplines: marine ecology, fisheries biology, ichthyology, marine physiology, and invertebrate biology); Program in Aquaculture (focus on: genetics, nutrition, etc.). May establish an Institute of Tropical Fisheries in the future.

LANGUAGE: English, Spanish
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.
MINISTRY OF PRIMARY INDUSTRIES
Fisheries Division
Suva, Fiji
CONTACT PERSON: Aksiala Vuakaca
PROGRAMS: Aquaculture - vocational
Fisheries - HS, vocational
Gen. Courses - HS, vocational
SHORT COURSES: Rural Fishermen's Training Course (4 months); 1-week courses on various topics, as requested (e.g., Net-Making, Outboard Maintenance, etc.)
LANGUAGE: English, Fijian, Hindi
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF THE SOUTH PACIFIC
School of Pure and Applied Sciences
Lauca Bay, P.O. Box 1168, Suva, Fiji
CONTACT PERSON: Dr. Satish Choy
PROGRAMS: Fisheries - Diploma, MS, PhD
Gen. Courses - BS, MS, PhD
FIELDS OF INTEREST: BS, MS, PhD in Marine Sciences; MS, PhD in Fisheries; Diploma in Tropical Fisheries; BS in Environmental Science
SHORT COURSES: Earth Science (with marine geology); Ocean Resources Management
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

MINISTRY OF NATURAL RESOURCE DEVELOPMENT
Fisheries Division
Box 276, BikenLeu, Tarawa, Kiribati
CONTACT PERSON: Chief Fisheries Officer
PROGRAMS: Fisheries - vocational
SHORT COURSES: Vocational training program for extension workers
LANGUAGE: English

OFFICE DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE-MER
ORSTOM, ASEPAC
BP 2666, Noumea, New Caledonia
CONTACT PERSON: Dr. Le Guen
PROGRAMS: Fisheries - MS, PhD
LANGUAGE: French, English
NOTES: Conducts individual training on request; accepts applicants from developing countries.

SOUTH PACIFIC COMMISSION
B.P. D-5, Noumea CEDEX, New Caledonia
FIELDS OF INTEREST: Offers training on a broad range of subjects (from basic manual skills to sophisticated aspects, such as stock assessment). Length and kind of training also vary. Priority given to "tailor-made".
SHORT COURSES: Various courses. Regularly given is the SPC/Nelson Polytechnic Pacific Islands Fisheries Officer Course: 18 weeks of study at the Nelson Polytechnic, New Zealand; and 15 weeks practice in different locations.
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

MICRONESIAN MARICULTURE DEMONSTRATION CENTER
MMDC P.O. Box 359, Koror 96940, Palau
CONTACT PERSON: Gerald Heslinga, Coordinator
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST: Training program in giant clam mariculture designed to disseminate practical knowledge on the biology of giant clams and on the technology for cultivating giant clams in shallow coral reef waters.
SHORT COURSES: Introduction to Giant Clam Mariculture. Continuous 30-day programs begin on the first of each month (except December), by advance reservation.
NOTES: Conducts short courses on request; accepts applicants from developing countries.

AIYURA DIDIMAN (RESEARCH INSTITUTE)
P.O. Box 384, Kainantu, E.H.P., Papua New Guinea
CONTACT PERSON: Petrus H.W. Sagom
PROGRAMS: Aquaculture - vocational
FIELDS OF INTEREST: Offers training on a broad range of subjects (from basic manual skills to sophisticated aspects, such as stock assessment). Length and kind of training also vary. Priority given to "tailor-made".
SHORT COURSES: Various courses. Regularly given is the SPC/Nelson Polytechnic Pacific Islands Fisheries Officer Course: 18 weeks of study at the Nelson Polytechnic, New Zealand; and 15 weeks practice in different locations.
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

NATIONAL FISHERIES COLLEGE
P.O. Box 239, Kavieng
New Ireland Province, Papua New Guinea
CONTACT PERSON: The Principal
PROGRAMS: Aquaculture - Fisheries - Certificate
Gen. Courses -
LANGUAGE: English
NOTES: Conducts short courses and individual training on request; accepts applicants from developing countries.

UNIVERSITY OF PAPUA NEW GUINEA
Fisheries Department
P.O. Box 320, University, N.C.D., Papua New Guinea
CONTACT PERSON: Head, Fisheries Department
SOLOMON ISLANDS COLLEGE OF HIGHER EDUCATION
School of Marine and Fisheries Studies
P.O. Box 23, Honiara, Solomon Islands
CONTACT PERSON: Captain J. Jackson
PROGRAMS:
- Fisheries - vocational, Diploma
FIELDS OF INTEREST:
- Two-year Diploma Course in Fishing
SHORT COURSES:
- Basic Commercial Fisheries Training (9 weeks); Advanced Commercial Fisheries Training; Fisheries Assistants Course for provincial fisheries officers (19 weeks)
LANGUAGE:
- English
NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

SOUTH PACIFIC FORUM FISHERIES AGENCY
P.O. Box 629, Honiara, Solomon Islands
CONTACT PERSON: The Director
FIELDS OF INTEREST:
- Offers training opportunities such as fellowship programs, ad hoc seminars, workshops and courses on request by FFA member countries.
SHORT COURSES:
- Ocean Resources Management Program (3 weeks, yearly) for younger, middle-level managerial government personnel in positions related to ocean resource use and management
LANGUAGE:
- English
NOTES:
- Conducts short courses and individual training on request; accepts applicants from developing countries.

IFREMER
Centre Oceanologle du Pacifique
B.P. 7004 Taravao, Tahiti
CONTACT PERSON: Denis Coatanea
PROGRAMS:
- Aquaculture - technical training
FIELDS OF INTEREST:
- Aquaculture research programs on crustaceans, fish, unicellular algae, bivalves
SHORT COURSES:
- Specific technical trainings on request
LANGUAGE:
- French, English
NOTES:
- Conducts individual training on request; accepts applicants from developing countries.

FISHERIES DEPARTMENT
P.O. Box 129, Port Vila, Republic of Vanuatu
SHORT COURSES:
- The Village Fisheries Development Program runs 4-week training courses on small-scale fisheries, for village fishermen.

DEPARTMENT OF AGRICULTURE, FORESTS AND FISHERIES
Fisheries Division
Apia, Western Samoa
CONTACT PERSON: Chief Fisheries Officer
PROGRAMS:
- Fisheries - vocational
SHORT COURSES:
- Two-week course in fishing gear and methods for new fishermen
LANGUAGE:
- Samoan, English
NOTES:
- Conducts individual training on request; accepts applicants from developing countries.