



Report on existing training resources for taxonomy in Europe

EDIT Workpackage 8 - Training and Public Awareness

Component 8.1.1

Report on existing training resources for taxonomy in Europe.

This survey was carried out between 15 December 2006 and 30 September 2007.

The present listing is the compilation of additional results obtained from outside Europe.

Africa

Title: Identification of the Afrotropical bee genera

Organising institution(s)/organisation(s): Agricultural Research Council, Plant Protection Research Institute

Host organisation(s)/institution(s), if different from organiser: Previously given at national Museums of Kenya, Nairobi, and University of Cape Coast, Ghana

Language: English

Content: How to collect and preserve bees, and curate collections Morphological terms How to identify bee families How to identify bee genera using hard copy keys How to identify bee genera using a electronic key

Target level: master level, PhD level, postgraduates, technicians

Periodicity: on demand

Duration: 10 days

Main person responsible for the training: Connal Eardley

Plant Protection Research Institute, Private Bag X134 Queenswood 0121, Pretoria, South Africa

E-mail of contact person: eardeleyc@arc.agric.za

URL: under development

Argentina

Title: Biología y taxonomía de Euglenoideos

Organising institution(s)/organisation(s): Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Dpto. Biodiversidad y Biología Experimental

Host organisation(s)/institution(s), if different from organiser:

Language: Spanish

Content: biology of euglenoids, ultrastructure, ecology, taxonomy, nomenclatural problems

Target level: PhD level, postgraduates, specialists / professionals

Periodicity: one time in the framework of a special occasion, on demand

Duration: 40 hrs, during one week

Main person responsible for the training: Visitación Conforti

Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Dpto. Biodiversidad y Biología Experimental, Ciudad Universitaria, Pab. II, 4º Piso, Ciudad de Buenos Aires, Argentina

E-mail of contact person: conforti@bq.fcen.uba.ar

URL:

Title: Morphology and systematic entomology

Organising institution(s)/organisation(s): Universidad Nacional de Tucuman, Facultad de Ciencias Naturales e Instituto Miguel Lillo, Instituto Superior de Entomología

Host organisation(s)/institution(s), if different from organiser:

Language: Spanish

Content: systematic and morphology of insects, diagnosis and keys to orders and families

Target level: master level, PhD level, postgraduates, specialists / professionals

Periodicity: on a regular basis, each 3 years

Duration: 80 hrs

Main person responsible for the training: Dr. Mercedes Lizarralde
Universidad Nacional de Tucuman, Facultad de Ciencias Nturales e Instituto Miguel Lillo, Instituto Superior de Entomologia,
Miguel Lillo 205, 4000 Tucumán, Argentina
E-mail of contact person: flia_grosso@arnet.com.ar
URL:

Title: Technical training course
Organising institution(s)/organisation(s): CSIRO Entomology
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: curation, collecting, databasing, identification
Target level: amateur taxonomists, specialists / professionals, technicians
Periodicity: on a regular basis
Duration: 10 days
Main person responsible for the training:
E-mail of contact person:
URL:

Australia

Title: Veterinary parasitology
Organising institution(s)/organisation(s): University of Sydney
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: Protozoa, Apicomplexa, ciliates, flagellates, Amoebae, helminths, trematodes, cestodes, insects, arthropods
Target level: master level
Periodicity: on a regular basis
Duration: one semester
Main person responsible for the training: Dr. Jan Slapeta, Dr. David Emery
University of Sydney, Faculty of Veterinary Science, McMaster Building, B14 (Room 202), Sydney, New South Wales, Australia
E-mail of contact person: jslapeta@usyd.edu.au
URL:

Bangladesh

Title: Collection, identification and management of insects
Organising institution(s)/organisation(s): Biodiversity Research Group of Bangladesh
Host organisation(s)/institution(s), if different from organiser: University of Chittagong, Department of Zoology, Chittagong, Bangladesh
Language: English/Bangla
Content: field collection, curation, management, identification, museum conservation
Target level: amateur taxonomists, master level, postgraduates, specialists / professionals, technicians
Periodicity: one time in the framework of a special occasion
Duration: 7 days
Main person responsible for the training: Badrul Amin Bhuiya
University of Chittagong, Department of Zoology, Chittagong 4331, Bangladesh
E-mail of contact person: badrulbhuiya@yahoo.com
URL: <http://www.brgb.org>

Brazil

Title: Taxonomy of tropical plants, atlantic forest of southeast of the Brazil.
Organising institution(s)/organisation(s): Instituto de Botânica de São Paulo
Host organisation(s)/institution(s), if different from organiser:
Language: French/English/portuguese
Content:
Target level: amateur taxonomists, undergraduates, master level, PhD level, postgraduates, specialists / professionals
Periodicity: on demand
Duration: two weeks
Main person responsible for the training: Dr. Sergio Romaniuc Neto
Instituto de Botânica, Herbario SP, Av Miguel Estéfano 3687, 04301-012 Sao Paulo, Brazil
E-mail of contact person:
URL:

Canada

Title: Terrestrial arthropod taxonomy (Entomolgy 427)
Organising institution(s)/organisation(s): University of Alberta
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: Evolution, distribution, and classification of terrestrial arthropods, with emphasis on hexapods. Students practice identification using museum collections, build keys and databases, and make a substantive collection of regional insects.
Target level: undergraduates, postgraduates
Periodicity: on a regular basis
Duration: 3 hrs lecture and 3 hrs lab per week for 13 weeks
Main person responsible for the training: Dr. Felix Sperling
University of Alberta, cw405 Biosciences Centre, Canada
E-mail of contact person: felix.sperling@ualberta.ca
URL: <http://www.biology.ualberta.ca/courses/ent427/>

Colombia

Title: Zoological nomenclature species description
Organising institution(s)/organisation(s): Universidad Nacional de Colombia, Instituto de Ciencias Naturales
Host organisation(s)/institution(s), if different from organiser:
Language: Spanish
Content: rules of the ICZN
Target level: master level
Periodicity: on a regular basis
Duration: 24 hrs
Main person responsible for the training: Carlos Sarmiento ' Jose Luis Fernandez
Universidad Nacional de Colombia, Instituto de Ciencias Naturales, A. A. 7495 Bogota, Colombia
E-mail of contact person: cesarmientom@unal.edu.co
URL:

Costa Rica

Title: Introduccion a la taxonomia y biologia de los decapodos de Costa Rica
Organising institution(s)/organisation(s): Universidad de Costa Rica, Escuela de Biologia
Host organisation(s)/institution(s), if different from organiser:
Language: Spanish
Content: morphology of decapods, taxonomy of the principal families of decapods, biology and taxonomy of commercially important decapods from Costa Rica, use of taxonomic keys for identification, general biology of the most common decapods of Costa Rica, larval development of decapods
Target level: undergraduates, master level, postgraduates

Periodicity: on a regular basis
Duration: one semester, 5 hrs/week
Main person responsible for the training: Dr. Ingo Wehrtmann
Universidad de Costa Rica, Escuela de Biología, 2060 San Jose, Costa Rica
E-mail of contact person: ingowehrtmann@gmx.de
URL:

Title: Taxonomy of Neotropical Odonata
Organising institution(s)/organisation(s): Universidad Nacional (Costa Rica), Escuela de Biología, Laboratorio de Entomología
Host organisation(s)/institution(s), if different from organiser:
Language: Spanish/English/Portuguese
Content: natural history of neotropical Odonata, taxonomy, field study of odonates, collection curation
Target level: general public, amateur taxonomists, undergraduates, master level, PhD level, postgraduates, specialists / professionals
Periodicity: on demand
Duration: one month
Main person responsible for the training: Carlos Esquivel
Universidad Nacional (Costa Rica), Escuela de Biología, Heredia, Costa Rica
E-mail of contact person: cesquive@una.ac.cr
URL:

Equatorial Guinea

Title: Taxonomia and conservation
Organising institution(s)/organisation(s): Consejo de Investigaciones Científicas y Tecnológicas
Host organisation(s)/institution(s), if different from organiser: GBIF
Language: Spanish/French
Content: identification of different species from their morphologic characteristics, comparison of different species (kinds) of the same kind (genus), determination of supespecies
Target level:
Periodicity: on a regular basis
Duration: 10 days
Main person responsible for the training: Jose Nguema Oyana and GBIF
Consejo de Investigaciones Científicas y Tecnológicas (CICTE), Malabao Bioko Norte, Equatorial guinea
E-mail of contact person:
URL:

India

Title: Angiosperm taxonomy
Organising institution(s)/organisation(s): Manipur University, Dept. of Life Sciences
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: taxonomy (vegetative and reproductive), conservation, plant geography, nomenclature, classification, preservation and herbarium
Target level: master level
Periodicity: on demand
Duration: 10 days
Main person responsible for the training: Prof. Asha Gupta
Manipur University, Dept. of Life Sciences, Imphal-795003 Manipur, India
E-mail of contact person: anjalika_22000@yahoo.co.in
URL:

Title: Explore your biodiversity by learning taxonomy - A training course on taxonomic identification of life
Organising institution(s)/organisation(s): Research institutes working in field of taxonomy. Institute with well equipped laboratories to learn taxonomy. Institutes well maintained animal or plant museums. Institutes with well trained teaching and non-teaching staff to conduct the programme.
Host organisation(s)/institution(s), if different from organiser: Organiser should first train the teaching scientists of host organisations to conduct the programme, so that they can train others.
Language: English
Content: wetland biodiversity, avifauna, fish fauna, planktons, insects, benthic fauna, conservation and management of wetlands
Target level: master level, PhD level, postgraduates, technicians
Periodicity: on a regular basis
Duration: 15 days
Main person responsible for the training: Dr. Sushama R. Chaphalkar (Director of the institute)
E-mail of contact person: directorvsbt@rediffmail.com
URL: <http://www.taxonomyworld.com>

Title: Molecular taxonomy
Organising institution(s)/organisation(s):
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content:
Target level:
Periodicity:
Duration:
Main person responsible for the training: Moinak Banerjee
Rajiv Gandhi Center for Biotechnology, Jagathy, Thiruvananthapuram, Kerala 695014, India
E-mail of contact person: moinak@gmail.com
URL:

Title: Training on plant taxonomy
Organising institution(s)/organisation(s): Blatter Herbarium (BLAT), St. Xaviers College, Mumbai 400001
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content:
Target level:
Periodicity:
Duration:
Main person responsible for the training: Dr. Marselein R. Almeida
E-mail of contact person:
URL:

Indonesia

Title: (1) Parataxonomist training course (2) Diwpa/IBOY training course
Organising institution(s)/organisation(s): (1) COE project of Hokkaido University, Japan and Hokkaido University Museum, Japan (2) COE projects of Hokkaido University, Kyoto University and Kanazawa University, Japan, and LIPI, Indonesia
Host organisation(s)/institution(s), if different from organiser: 2) LIPI, Indonesia
Language: Japanese/English
Content:
Target level: general public, amateur taxonomists, master level
Periodicity: on a regular basis
Duration: (1) 2 days; (2) 10 days
Main person responsible for the training: Masahiro Ohara, Masanori Toda
Hokkaido University Museum, N10 W10, 060-0810 Sapporo, Japan

E-mail of contact person: ohara@museum.hokudai.ac.jp

URL: <http://nature.sci.hokudai.ac.jp/taxonomy/index.html> and http://nature.sci.hokudai.ac.jp/report/040118/report_e.html

Kenya

Title: Building nematology capacity in East and Southern Africa

Organising institution(s)/organisation(s): Nematology Initiative for East and Southern Africa, a grouping of Nematologists in East and Southern Africa, specifically in Kenya, Tanzania, Uganda, Malawi and Zimbabwe

Host organisation(s)/institution(s), if different from organiser: Kenya Forestry Research Institute, Training Centre Kenya

Language: English

Content: nematode morphology and biology, nematode identification, nematode techniques, nematode management

Target level: specialists / professionals, meant to ground colleagues who are not full time nematologists

Periodicity: It was planned at project start up

Duration: 3 weeks

Main person responsible for the training: Dr. Zibusiso Sibanda

E-mail of contact person: msibanda@ecoweb.co.zw

URL: <http://www.africannematology.info/index.asp>

Title: Occasional taxonomic training on economically and agriculturally important insect taxa

Organising institution(s)/organisation(s):

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content:

Target level: high school students, PhD level, specialists / professionals

Periodicity: on demand

Duration:

Main person responsible for the training: Dr. Fabian Haas

Icipe African Insect Science for Food and Health, Duduville Campus, Kasarani, Nairobi 00100-30772, Kenya

E-mail of contact person: fhaas@icipe.org

URL:

Malaysia

Title: APEC Reentry workshop on leafminers and thrips

Organising institution(s)/organisation(s): CAB International South-East Asia Regional Centre (CABI-SEARC) and Dept. of Agriculture (DOA)

Host organisation(s)/institution(s), if different from organiser: Universiti Putra Malaysia (UPM)

Language: English

Content:

Target level:

Periodicity:

Duration:

Main person responsible for the training:

E-mail of contact person:

URL:

Mauritius

Title: Short training on herbarium techniques

Organising institution(s)/organisation(s): Mauritius Herbarium

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: pressing, mounting, labelling, databasing
Target level: specialists / professionals, technicians
Periodicity: on demand
Duration: Depends on the request, usually 3 hrs/week
Main person responsible for the training: Claudia Baider
Mauritius Herbarium, MSIRI Reduit, Mauritius
E-mail of contact person:
URL:

Mexico

Title: Phylogenetic systematics
Organising institution(s)/organisation(s): Instituto de Ecología, A. C.
Host organisation(s)/institution(s), if different from organiser:
Language: Spanish
Content: cladistics, nomenclature, alpha taxonomy
Target level: master level, PhD level
Periodicity: on a regular basis
Duration: 120 hrs
Main person responsible for the training: Alejandro Espinosa de los Monteros
E-mail of contact person:
URL: <http://www.ecologia.edu.mx>

Morocco

Title: Phylogenetic analysis and historical biogeography: theory and practice
Organising institution(s)/organisation(s): National Committees Morocco DIVERSITAS
Host organisation(s)/institution(s), if different from organiser: Muséum d'Histoire Naturelle Marrakech (MHNM)
Language: french
Content: introduction to systematics, nomenclature, biodiversity, homology and rooting, apomorphy, monophyletic, paraphyletic, polyphyletic, clade, cladogramme, quantitative cladistic methods, cladistic biogeography, PAE, BPA
Target level: high school students, PhD level, specialists / professionals
Periodicity: yearly
Duration: 4 days
Main person responsible for the training: Mohammed Messouli
University Cadi Ayyad Marrakech, Faculté des Sciences, UCAM Département de Biologie, Semlalia BP 2390 Marrakesh, Morocco
E-mail of contact person: messouli@ucam.ac.ma
URL: under construction

Philippines

Title: Botanical research and herbarium management system
Organising institution(s)/organisation(s): Philippine National Museum
Host organisation(s)/institution(s), if different from organiser: Philippine Herbarium
Language: English
Content:
Target level: postgraduates, specialists / professionals, technicians
Periodicity: one time in the framework of a special occasion
Duration: 5 days
Main person responsible for the training: Dr. Dennis Filer
E-mail of contact person:
URL:

Title: Trainors training for native trees in the mangrove forest in the Philippines
Organising institution(s)/organisation(s): ASBPS
Host organisation(s)/institution(s), if different from organiser: De La Salle University, Manila
Language: English/Tagalog
Content:
Target level:
Periodicity: 5 times per year
Duration: 1 week
Main person responsible for the training: Dr. Madulid
E-mail of contact person:
URL:

Russia

Title: Post graduate course in botany and mycology
Organising institution(s)/organisation(s): Komarov Botanical Institute of the Russian Academy of Sciences
Host organisation(s)/institution(s), if different from organiser:
Language: Russian/could be English
Content:
Target level: PhD level, postgraduates
Periodicity: on a regular basis
Duration: 3 years
Main person responsible for the training: Dr. Irina M. Kravkina
E-mail of contact person:
URL: <http://www.binran.ru/aspirantura.htm>

South Africa

Title: (1) 3rd Year Undergraduate course on systematics and biogeography (2) Honours (4th year) course on Systematics
Organising institution(s)/organisation(s): Rhodes University, Dept. of Botany
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: species concepts, phenetics, cladistics, molecular systematics, parsimony, phytogeography, floristics, biogeographic methods, island biogeography
Target level: undergraduates
Periodicity: on a regular basis
Duration: 8 hrs/week during 5 weeks
Main person responsible for the training: Prof. N.P. Barker
Rhodes University, Dept. Botany, Grahamstown 6140, South Africa
E-mail of contact person:
URL:

Title: Evolution and systematics
Organising institution(s)/organisation(s): Stellenbosch University
Host organisation(s)/institution(s), if different from organiser:
Language: English/Afrikaans
Content:
Target level:
Periodicity:
Duration:
Main person responsible for the training: Prof. C.A. Matthee
Stellenbosch University, Evolutionary Genomics Group Department of Botany and Zoology Stellenbosch University Private Bag X1 Matieland Stellenbosch 7602, South Africa

E-mail of contact person:

URL:

Taiwan

Title: Practice of systematic biology and taxonomy

Organising institution(s)/organisation(s): National Sun Yat-Sen University, Dept. of Biological Sciences

Host organisation(s)/institution(s), if different from organiser:

Language: Mandarin Chinese/English

Content:

Target level: amateur taxonomists, undergraduates, master level, PhD level, postgraduates, specialists / professionals, technicians

Periodicity: on a regular basis

Duration: 3 hrs/week

Main person responsible for the training: Dr. Shen-Horn Yen

National Sun Yat-Sen University, Department of Biological Sciences, 70, Lien-Hai Rd., Kaohsiung 804, Taiwan

E-mail of contact person: shenhornyen@hotmail.com

URL:

USA

Title: Acarology summer program

Organising institution(s)/organisation(s): Ohio State University

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: primarily identification of mites, also some relevant ecology, biocontrol and physiology

Target level: master level, PhD level, postgraduates, specialists / professionals, technicians

Periodicity: on a regular basis

Duration: 1-3 week workshops

Main person responsible for the training: Hans Klompen

Ohio State University, Museum of Biological Diversity, 1315 Kinnear Rd., Columbus OH 43212, USA

E-mail of contact person: klompen.1@osu.edu

URL: <http://www.biosci.ohio-state.edu/~acarolog/sum2k1.htm>

Title: Advanced Conservation GIS and remote sensing

Organising institution(s)/organisation(s): National Zoo's Conservation and Research Center (CRC) - Smithsonian Institute's National Zoological Park

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: regional conservation assessment, multi-data satellite imagery, landscape analysis

Target level:

Periodicity: April 2-6, 2007, Sept. 10-14, 2007

Duration: 1 week

Main person responsible for the training:

E-mail of contact person:

URL: http://nationalzoo.si.edu/ConservationAndScience/ConservationGIS/GIS_training/advanced_GIS/

Title: Algal culturing techniques

Organising institution(s)/organisation(s): Provasoli-Guillard National Center for Culture of Marine Phytoplankton at Bigelow Laboratory for Ocean Sciences

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: light microscopy observation of phytoplankton, culture media and growth of algae, cryopreservation of algae, isolation

EDIT - WP 8. Report on existing training resources for taxonomy in Europe.

Additional results from outside Europe.

and purification of algae using traditional and flow cytometric techniques

Target level: master level, PhD level, postgraduates, specialists / professionals

Periodicity: on a regular basis

Duration: 8-9 hrs/day during 7 days

Main person responsible for the training: Robert A. Andersen

Provasoli-Guillard National Center for Culture of Marine Phytoplankton at Bigelow Laboratory for Ocean Sciences, 180 McKown Point Road, P.O. Box 475, ME 04575 West Boothbay Harbor,

E-mail of contact person: randersen@bigelow.org

URL:

Title: Biosystematics, Insect Identification

Organising institution(s)/organisation(s): Montana State University

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: biosystematics: history, codes, phylogenetics, types of publications, species concepts, loans, construction of keys, illustrations, tracing nomenclature; Insect Id: use of literature for identification, finding literature, handling specimens, evolution of the the arthropods

Target level: master level

Periodicity: on a regular basis, on demand

Duration: 8 hrs/week during 16 weeks

Main person responsible for the training: Michael A. Ivie

Montana State University, Montana Entomology Collection, P.O. Box 173020, MT 59717 Bozeman,

E-mail of contact person:

URL:

Title: Hym' course

Organising institution(s)/organisation(s): Smithsonian Institution, USDA, Washington D C.

Host organisation(s)/institution(s), if different from organiser: American Museum of Natural History, Southwestern Research Station, Portal, Arizona

Language: English

Content: introduction to the Hymenoptera: Matthew Buffington, introduction to Hymenoptera morphology: David Wahl, Hymenoptera biology: Michael Sharkey, Aculeata: Lynn Kimsey, Braconidae: Michael Sharkey, Chalcidoidea: Michael Gates, Chrysidoidea: Lynn Kimsey, Cynipoidea: Matthew Buffington, Ichneumonoidea: Michael Sharkey, Ichneumonidae: David Wahl, smaller Subfamilies: Michael Gates

Target level: amateur taxonomists, master level, PhD level

Periodicity: on a regular basis

Duration: 8 days

Main person responsible for the training: Michael Gates

E-mail of contact person: mgates@sel.barc.usda.gov

URL: http://www.hymatol.org/Hym_course.html

Title: Introduction to Field Techniques for Conservation Research

Organising institution(s)/organisation(s): National Zoo's Conservation and Research Center (CRC) - Smithsonian Institute's National Zoological Park

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: introduction to various field techniques used to inventory, assess, and monitor species

Target level:

Periodicity: once? Sept. 17-28, 2007

Duration: 2 weeks

Main person responsible for the training:

E-mail of contact person:

URL: <http://nationalzoo.si.edu/ConservationAndScience/MAB/training/fieldtechniques.cfm>

Title: Philosophical foundations of biological systematics
Organising institution(s)/organisation(s): none
Host organisation(s)/institution(s), if different from organiser: Course is provided to any hosting institution, in any country.
Language: English
Content: 1. Principles of inference. 2. Principles of phylogenetic inference. 3. Homology versus homogeneity. 4. The philosophical basis for character coding. 5. Testing phylogenetic hypotheses. 6. The inferential structure of species hypotheses. 7. The relations between systematic inference and nomenclatural systems.
Target level: master level, PhD level, postgraduates, specialists / professionals, technicians
Periodicity: on demand
Duration: 2 weeks to 1 month
Main person responsible for the training: Dr. Kirk Fitzhugh
Natural History Museum of Los Angeles County, 900 Exposition Boulevard, CA 90007 Los Angeles, USA
E-mail of contact person: kfitzhug@nhm.org
URL: <http://www.nhm.org/research/annelida/research.html>

Title: Plant systematics (Biol450)
Organising institution(s)/organisation(s): West Virginia University, Biology Dept.
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content:
Target level: undergraduates
Periodicity: on a regular basis
Duration: 1-2 hrs/days, 4 days/week during 15 weeks
Main person responsible for the training: Donna Ford-Werntz (Herbarium curator)
West Virginia University, Biology Dept., Box 6057, WV 26505 Morgantown, USA
E-mail of contact person: dford2@wvu.edu
URL:

Title: Plant taxonomy
Organising institution(s)/organisation(s): University of Northern Colorado, School of Biological Sciences
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: introduction to taxonomy, cultural necessity of classification, relationship of systematics to other sciences, significance of systematics to society, sources of taxonomic data, importance of herbaria in society, historical background of classifications (evolutionary, phenetic, cladistic), infraspecific variation, species concepts and species criteria, speciation, angiosperm origins, plant biogeography
Target level: undergraduates, master level, PhD level
Periodicity: on a regular basis
Duration: 1 semester (16 weeks)
Main person responsible for the training: N. Snow
University of Northern Colorado, School of Biological Sciences, Greeley, CO 80639, USA
E-mail of contact person: neil.snow@unco.edu
URL:

Title: Protist workshop
Organising institution(s)/organisation(s): Marine Biological Laboratory of Woods Hole
Host organisation(s)/institution(s), if different from organiser:
Language:
Content: field work, documentation, vouchering, description
Target level: PhD level, postgraduates
Periodicity: currently runs once every 2 years, but frequency can be increased on demand
Duration: 2 weeks
Main person responsible for the training: David Patterson
Marine Biological Laboratory of Woods Hole, 7 MBL Street, Woods Hole Mass 02543, USA
E-mail of contact person: dpatterson@mbl.edu
URL:

Title: Research programs for undergraduates, Flora of Pennsylvania internships, Jessup/McHenry Awards
Organising institution(s)/organisation(s): Academy of Natural Sciences of Philadelphia, Botany Dept.
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: curatorial work (mounting, accession, filing), loan processing, locating types in the general collection, databasing herbarium specimens
Target level: high school students, undergraduates, master level, postgraduates, specialists / professionals
Periodicity: on a regular basis
Duration: Minimum 2 weeks up to 9 months
Main person responsible for the training: Ms. Alina Freire-Fierro, M. S.
Academy of Natural Sciences of Philadelphia, 1900 Benjamin Franklin Parkway, PA 19103 Philadelphia, USA
E-mail of contact person: freirefierro@ansp.org
URL: <http://www.ansp.org/research/opportunities/internship.php>

Title: Systematics and speciation
Organising institution(s)/organisation(s): Old Dominion University
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: see the URL for content description
Target level: master level, PhD level, specialists / professionals
Periodicity: offered every other year during fall semester
Duration: 3 hrs/week during 15 weeks.
Main person responsible for the training: John R. Holsinger
Old Dominion University, Department of Biological Sciences, Hampton Blvd. Norfolk, Virginia 23529, USA
E-mail of contact person: jholsing@odu.edu
URL: <http://sci.odu.edu/biology/directory/jrhcourses.shtml>

Title: Workshop in Applied Phylogenetics
Organising institution(s)/organisation(s): University of California, Davis
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: The one-week course will be an intensive exploration of problems to which modern phylogenetic tools are being applied, including topics in biogeography, ecology, conservation biology, phylogenomics, functional morphology, macroevolution, speciation, and character evolution. The course leads off with recent advances in phylogenetic methodology, and then turns to methods and tools that can be brought to bear to address these "applied" issues in the context of a given phylogeny.
Target level:
Periodicity: yearly
Duration: 1 week
Main person responsible for the training:
E-mail of contact person:
URL: <http://loco.biosci.arizona.edu/sandlab/ap.htm>

Title: Workshop on molecular evolution
Organising institution(s)/organisation(s): University of Massachusetts-Amherst, Marine Biological Station
Host organisation(s)/institution(s), if different from organiser:
Language: English
Content: analysis of molecular data
Target level: PhD level, postgraduates, specialists / professionals, technicians
Periodicity: on a regular basis
Duration: 2 weeks
Main person responsible for the training:
E-mail of contact person:
URL: <http://workshop.molecularevolution.org/>

Title: Workshop on Molecular Evolution

Organising institution(s)/organisation(s): University of Maryland

Host organisation(s)/institution(s), if different from organiser:

Language: English

Content: The workshop consists of a series of lectures, demonstrations, and computer laboratories that cover various aspects of molecular evolution: databases and sequence matching, phylogenetic analysis, maximum likelihood theory and practice in phylogenetics and population genetics, molecular evolution integrated at organism, higher and lower levels; molecular evolution and development; molecular evolution in bioinformatics, evolution of large multigene families, comparative genomics, transposable elements.

Target level:

Periodicity: yearly

Duration: 2 weeks

Main person responsible for the training:

E-mail of contact person:

URL: <http://workshop.molecularevolution.org/>

Venezuela

Title: MSc and PhD in Entomology, with a strong component of taxonomy. This includes some regular and different courses about the taxonomy of different insect groups and the use of taxonomical tools.

Organising institution(s)/organisation(s): Universidad Central de Venezuela, Facultad de Agronomía

Host organisation(s)/institution(s), if different from organiser:

Language: mainly spanish/but also in portuguese/English

Content: taxonomy of the groups under study, techniques for conservation of insects, methods used in taxonomy, biogeography

Target level: master level, PhD level, postgraduates, specialists / professionals

Periodicity: on a regular basis

Duration: from 1 week to 3 years

Main person responsible for the training: Dr. Luis J. Joly, Dr. John Lattke, Dr. Jurg De Marmels, Dr. Eduardo Osuna, Dr. José Clavijo, MSc Vilma Savini- MIZA, Mr. Marco Gaiani, Dr. José Garcia, Ir. Quintin Arias

Universidad Central de Venezuela, Facultad de Agronomía, Museo del Instituto de Zoología Agrícola Francisco Fernández Yipez (MIZA), Avda. Casanova Godoy/ 19 de Abril, Maracay, Estado Aragua, Venezuela

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URL:
