



UNIVERSIDAD INTERNACIONAL DE ANDALUCÍA
Sede Antonio Machado, Baeza (Jaén) - Spain

2008-2010 BIENNIUM

8th MASTER'S DEGREE IN
MANAGEMENT, ACCESS AND CONSERVATION OF SPECIES IN
TRADE: THE INTERNATIONAL FRAMEWORK

WITH THE COLLABORATION OF:



SECRETARÍA GENERAL DE COMERCIO EXTERIOR



AND THE PARTICIPATION OF:



On-campus period: from 13th April to 26th June, 2009

8th MASTER'S DEGREE IN MANAGEMENT, ACCESS AND CONSERVATION OF SPECIES IN TRADE: THE INTERNATIONAL FRAMEWORK

Organised by:

International University of Andalusia, Spain

Directed by:

Prof. Dr. Margarita África Clemente Muñoz, Full Professor, University of Cordoba, Spain

1. DATES AND ACADEMIC STRUCTURE

This programme of studies offers a total of 60 ECTS (European Credit Transfer and Accumulation System) credits; 48 for class attendance, through the “virtual platform” and supervised work, and 12 for preparing the final Master’s thesis. The course is structured as follows:

- A. Class Stage: (attendance required) in class sessions divided into eleven sections.
- B. Online Study Stage: through the virtual platform set up by the *Universidad Internacional de Andalucía* (UNIA), involving further work on the subject matter covered in the eleven class sections.
- C. Research Stage: (presence not required) in which students will perform research tasks in preparation for the Master’s thesis.

Year 2008-2009

On-campus credits: Classes will be held at the Antonio Machado Site of the International University of Andalusia from Monday to Friday, in morning and afternoon sessions. Monitoring and assessment will consist of weekly individual and/or group tests on the contents covered. The UNIA virtual platform will provide further learning experience and diverse practical activities on the course content.

Year 2009-2010

Research period: 12 credits will be given for supervised research activities leading to the presentation of a research project.

2. OBJECTIVES OF THE ACADEMIC PROGRAMME

The **General Objective** of the programme is to provide specialised high quality training in the scientific bases, techniques and instruments that make it possible to implement and develop major multilateral environmental agreements (MEAs); specifically the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) and the Convention on Biological Diversity (CBD). It is appropriate for people who are involved, or wish to become involved in environment-related policy-making, in the implementation of international agreements or development of the scientific and technical work required for their implementation at the executive level.

The **Specific Objectives** are to provide specialised training in the following areas:

- The concept of biodiversity at all organisational levels, particularly with reference to populations, species and ecosystems
- Scientific bases and methods to diagnose and solve problems associated with proper implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
- Administrative, legislative and enforcement issues in CITES implementation
- Biological and trade criteria for listing species on the CITES Appendices
- Significant trade reviews in CITES
- Assessment studies for making non-detriment findings on specimens taken from the wild in CITES
- Techniques for identifying species and specimens subject to CITES controls
- CITES EU provisions: how they work and how they are implemented
- Theoretical and practical aspects of the relationship between economics and the environment
- The study of diversity in space
- Basics of biogeography and chorology
- Techniques for population studies, dispersal models, demography and variation

- Use of Geographic Information Systems to study variation in forestry species, plant cartography and population assessment
- Population biology, conservation and management of CITES animals and plants
- Recovery plans and sustainable management programmes for animals and plants at the international level
- Analysis of the impact of invasive species on biodiversity
- Techniques for germplasm preservation
- Techniques for propagation and study of genetic diversity at the molecular level; *in vitro* cultivation techniques; PCR analysis of DNA and RNA
- CBD Programmes and synergy with CITES
- International systems that regulate access to genetic resources and benefit-sharing
- Negotiation systems in multilateral environmental agreements (MEAs)
- Legal aspects of multilateral environmental agreements

3. REGISTRATION

Class Size and Requirements for Admission

This Master's Degree Course offered by the International University of Andalusia is open to 30 graduate students with university degrees. Students holding the following degrees are eligible for this Master's Programme: Engineering (Agricultural, Forestry or Environmental Engineering); Veterinary Science, Biological Science, Environmental Science, Chemistry, Geography and History, Humanities, Education, Law, International Relations, or university degrees recognised as being equivalent to the former. If it is necessary to establish priorities between applicants, their Curriculum Vitae will be considered.

Application Requirements

Applicants must send the pertinent documentation as required on the application form (available on the University website: www.unia.es). The deadline for applications is **30th October 2008**. Applications certified and postmarked within this period will be accepted.

Acceptance and Registration

Once the selection is made, applicants will be personally notified of admission or non-admission to the programme. Those who have applied for a scholarship as well will also be notified accordingly. Upon receipt of notification, applicants admitted must confirm their participation in the programme, fully register and pay the tuition fee for the 48 Course Credits by **15th December 2008**.

Documentation Required

Applicants must provide the following documents:

1. Duly completed registration form provided by the International University of Andalusia
2. Standard Curriculum Vitae (available from the website www.unia.es). The CV will be considered if there is equality between applicants in the other merits. It must be accompanied by proof of graduation: original document or certified photocopy showing the applicant's transcript of records (courses passed and grades obtained) and a certified photocopy of the university diploma.
3. Photocopy of the applicant's passport
4. One passport-size photograph

Public Prices for Academic and Administrative Services

- 1 credit: 48 €
- Registration fee: 54 €

Payment of academic and administrative services as well as the cost of accommodation (if applicable) must be made by bank transfer free of charges or a deposit in the following bank account:

BANK: CAJA RURAL PROVINCIAL DE JAÉN
 ADDRESS: CALLE OBISPO NARVÁEZ, 12
 23440 BAEZA (PROVINCE OF JAÉN) SPAIN
 ACCOUNT HOLDER: UNIVERSIDAD INTERNACIONAL DE ANDALUCÍA

	SEDE ANTONIO MACHADO	CIF - Q7350007F
ACCOUNT NUMBER:	3067 0012 52 1147998627	
IBAN:	ES54 3067 0012 52 1147998627	
SWIFT (BIC) Code:	BCOESMM067	

Health insurance

The foreign students will have to subscribe and pay an insurance of medical assistance and hospitalization during the time of duration of the Programme.

Cancellation

Students who expressly so request are entitled to a refund of the tuition fee, excluding the registration fee, if the request can be justified and is made at least twenty days before the Master's Course begins. The request for the refund must be made in writing to the Antonio Machado Site Secretarial Office.

4. MASTER'S DEGREE

The International University of Andalusia will issue the diploma accrediting the Master's Degree to students having attended and successfully passed the full 60 course and research credits of the programme.

5. SCHOLARSHIPS

The International University of Andalusia will grant scholarships covering tuition and accommodation fees based on applicants' academic and professional merits as well as their financial circumstances. Scholarship students must confirm acceptance of the scholarship and register by **15th December 2008**.

Documentation Required

Applicants must provide the following documents:

1. Duly completed application form provided by the International University of Andalusia
2. Standard *Curriculum Vitae*, which will be considered in the selection process. It must be accompanied by proof of graduation: original document or certified photocopy showing the applicant's transcript of records (courses passed and grades obtained); if this is not available, a certified photocopy of the university diploma may be provided.
3. Photocopy of the family's income tax declaration for the last fiscal year. If this is not available, it will be necessary to provide documents certifying income.

All these forms are available on the University website: www.unia.es

Deadline for Scholarship Applications

The deadline for scholarship applications is 30th October 2008. Applications registered by mail within this period will be accepted. Scholarship applications must be sent to the Antonio Machado Site of the International University of Andalusia.

6. ACADEMIC PROGRAMME AND CALENDAR

The programme consists of 60 ECTS* credits (European Credit Transfer and Accumulation System), equivalent to a total of 1500 hours, which are calculated as follows: 385 hours of class attendance (theoretical and practical subject matter), 130 hours through the virtual platform; 177 hours of study, preparing work and supervised activities; and 508 hours of guided distance-learning activities: preparing materials, theoretical and practical work. Finally, the Master's thesis counts for 300 hours.

* 1 ECTS credit = 25 hours, including theoretical and practical classes, guided instruction, work on the virtual platform, study hours and supervised sessions, exams, preparation of various materials and the Master's thesis.

Year 2008-2009

On-Campus Classes

Classes will be given in English and Spanish - with simultaneous interpretation - at the Antonio Machado Site of the International University of Andalusia from Monday to Friday in morning and afternoon sessions. There will be weekly individual and/or group tests on the contents covered.

Section 1: *"Biodiversity as a Paradigm"*

35 hours + 15 virtual platform hours (5 credits ECTS)

From 13th to 17th April 2009

Coordinator: Dr Margarita África Clemente Muñoz, University of Cordoba, Spain

Lecturers: Dr Vernon H. Heywood, University of Reading, United Kingdom
Dr Esteban Hernández Bermejo, University of Cordoba, Spain
Dr Margarita África Clemente Muñoz, University of Cordoba, Spain
Dr Julio Berbel Vecino, University of Cordoba, Spain
Dr Carlos Romero López, Polytechnic University of Madrid, Spain
Dr Enrique Alonso García, Advisor in the Spanish Government's Top Advisory Body
Dr José María Durán Altisent, Polytechnic University of Madrid, Spain

Section 2: *"The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) - General Introduction"*

35 hours + 10 virtual platform hours (4 credits ECTS)

From 20th to 24th April 2009

Coordinator: Ms Mercedes Lasso Liceras, General Secretariat for Foreign Trade, CITES Management Authority, Spanish Ministry of Industry, Tourism and Trade

Lecturers: Ms Victoria Lichtschein, CITES Management Authority, Argentina
Mr Joao Loureiro, CITES Management Authority, Portugal
Ms Mercedes Lasso Liceras, General Secretariat for Foreign Trade, CITES Management Authority; Spanish Ministry of Industry, Tourism and Trade
Staff of the CITES Secretariat, Switzerland
Mr Jacques Berney, IWMC, Switzerland
Mr David van Gennep. AAP, Sanctuary for exotic animals, the Netherlands

Section 3: *"Management of Animals and CITES"*

35 hours + 15 virtual platform hours (5 credits ECTS)

From 27th April to 1st May 2009

Coordinator: Dr Margarita África Clemente Muñoz, University of Cordoba, Spain

Lecturers: Dr Rodrigo Medellín, UNAM, National Autonomous University of Mexico
Dr Manfred Niekisch, University of Greifswald, Germany
Dr Margarita África Clemente Muñoz, University of Cordoba, Spain
Dr Giuseppe Frenguelli, University of Perugia, Italy

Section 4: *"Implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) - Administrative Aspects"*

35 hours + 10 virtual platform hours (4 credits ECTS)

From 4th to 8th May 2009

Coordinator: Ms Mercedes Lasso Liceras, General Secretariat for Foreign Trade, CITES Management Authority, Spanish Ministry of Industry, Tourism and Trade

Lecturers: Ms Mercedes Lasso Liceras, Mr Antonio Galilea, Ms Rosa Tortajada and Ms Ana Sopeña, General Secretariat for Foreign Trade, CITES Management Authority, Spanish Ministry of Industry, Tourism and Trade
Ms Josefina Barreiro, Natural Sciences Museum, Madrid, Council for Scientific Research (CSIC), Spanish Ministry of Science and Innovation
Dr Margarita África Clemente Muñoz, University of Cordoba, Spain
DG ENV.E2 CITES team; European Commission, Brussels, Belgium
Staff of the CITES Secretariat, Switzerland
Mr Fernando Salazar, Spanish Customs, Madrid
Mr Benigno Martin, SEPRONA, Spanish Environmental Police

Section 5: “Implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES); Scientific Aspects - Animals”

35 hours + 10 virtual platform hours (4 credits ECTS)

From 11th to 15th May 2009

Coordinator: Mr Carlos Ibero Solana, ATECMA, scientific consultant for the CITES Scientific Authority, Spanish Ministry of the Environment and Rural and Marine Affairs

Lecturers: Dr Manuel María Calderón Moreno, CITES Scientific Authority, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
Mr Carlos Ibero Solana, ATECMA, scientific consultant for the CITES Scientific Authority, Spanish Ministry of the Environment and Rural and Marine Affairs
Dr Jerónimo Corral Estrada, Spanish Institute of Oceanography, Spanish Ministry of Science and Innovation
Dr Vincent Fleming, Joint Nature Conservation Committee, CITES Scientific Authority, United Kingdom
Mr Ricardo Banchs, Directorate for Wild Fauna, Secretariat for the Environment and Sustainable Development, Argentina
Mr Robert Boljesic, Staff of the CITES Secretariat, Switzerland
Dr Gerardo Fragoso, UNEP-WCMC, United Kingdom

Section 6: “Techniques for Identification and Control of Species in International Trade”

35 hours + 10 virtual platform hours (4 credits ECTS)

From 18th to 22nd May 2009

Coordinator: Ms Mercedes Lasso Licerias, General Secretariat for Foreign Trade, CITES Management Authority, Spanish Ministry of Industry, Tourism and Trade

Lecturers: Ms Mercedes Lasso Licerias, Mr. Antonio Galilea, Ms Pilar Morales and Mr Vicente Roncero, General Secretariat for Foreign Trade, CITES Management Authority, Spanish Ministry of Industry, Tourism and Trade
Dr Ettore Randi, Italian Wildlife Institute, Italy
Ms Isabel Rey Fraile, Natural Sciences Museum, Madrid, Council for Scientific Research (CSIC), Spanish Ministry of Science and Innovation
Mr José María Aguilar, Jerez Zoo, Spain
Mr Wan Ziming, Management Authority, China
Mr Miguel de Benito, Spanish Customs, Madrid

Section 7: “Ex Situ Techniques and Plant Diversity”

35 hours + 15 virtual platform hours (5 credits ECTS)

From 25th to 29th May 2009

Coordinator: Dr César Pérez Ruiz, Polytechnic University of Madrid, Spain

Lecturers: Dr Esteban Hernández Bermejo, University of Cordoba, Spain
Dr Elena Torres Iamas, Polytechnic University of Madrid, Spain
Dr César Pérez Ruiz, Polytechnic University of Madrid, Spain
Dr José María Durán Altisent, Polytechnic University of Madrid, Spain
Mr José Ramón Molina Moreno, Tecnomá.

Section 8: “Management of Plants and CITES”

35 hours + 15 virtual platform hours (5 credits ECTS)

From 1st to 5th June 2009

Coordinator: Dr Esteban Hernández Bermejo, University of Cordoba, Spain

Lecturers: Dr José María Iriondo, Polytechnic University of Madrid, Spain
Dr Esteban Hernández Bermejo, University of Cordoba, Spain
Dr Manuel Sánchez de la Orden, University of Cordoba, Spain
Dr Alfonso García Ferrer, University of Cordoba, Spain
Dr Rafael María Navarro Cerrillo, University of Cordoba, Spain

Section 9: “Implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES); Scientific Aspects - Plants”

35 hours + 10 virtual platform hours (4 credits ECTS)

From 8th to 12th June 2009

Coordinator: Dr Patricia Dávila, UNAM, National Autonomous University of Mexico

Lecturers: Dr Roddy Gabel, CITES Management Authority, USA

Dr. Michael Kiehn, University of Vienna, Austria
 Dr Patricia Dávila, UNAM, National Autonomous University of Mexico
 Dr Uwe Shippmann, Federal Agency for Nature Conservation, Germany
 Dr Enriqueta Martín-Consuegra Fernández, University of Cordoba, Spain
 Dr Margarita África Clemente Muñoz, University of Cordoba, Spain
 Dr Mauricio Sajeve, University of Palermo, CITES Scientific Authority, Italy
 Mr Chris Schürmann, CITES Scientific Authority, the Netherlands
 Mr Noel McGough/ Ms Madeleine Groves, CITES Scientific Authority, United Kingdom
 Ms Milena Sosa Schmidt, Staff of the CITES Secretariat, Geneva, Switzerland

Section 10: “The Convention on Biological Diversity-Main Programmes and Synergies with CITES”

35 hours + 10 virtual platform hours (4 credits ECTS)

From 15th to 19th June 2009

Coordinator: Dr Alejandro Lago Candeira, Rey Juan Carlos University, Spain
 Lecturers: Dr Maite Martín-Crespo, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Dr Alejandro Lago Candeira, Rey Juan Carlos University, Spain
 Mr Hesiquio Benítez, CONABIO, Mexico.
 Dr Marian Ramos, National Museum of Natural Sciences, Madrid, Council for Scientific Research (CSIC), Spanish Ministry of Science and Innovation
 Dr Borja Heredia Armada, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Mr Antonio Fernández de Tejada, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Dr. Ricardo Gómez Calmaestra, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Ms Ana Fresno Ruiz, Spanish Ministry of the Environment and Rural and Marine Affairs
 Ms Ana Tejedor Arceredillo, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Mr Javier Pantoja Trigueros, General Directorate for the Natural Environment and Forest Policy, Spanish Ministry of the Environment and Rural and Marine Affairs
 Ms Asha Sukhwani Kundanmal, Spanish Office for Patents and Trademarks, Spanish Ministry of Industry, Tourism and Trade
 Mr Fernando Ramos García, Friends of the Earth, Spain
 Ms Patricia Borraz Fernández, Almaciga, Spain

Section 11: “International Regimes on Access to Genetic Resources and Benefit-Sharing (ABS); the Convention on Biological Diversity and the FAO International Treaty on Plant Genetic Resources”

35 hours + 10 virtual platform hours (4 credits ECTS)

From 22nd to 26th June 2009

Coordinator: Dr Alejandro Lago Candeira, Rey Juan Carlos University, Spain
 Lecturers: Dr Margarita África Clemente Muñoz, University of Cordoba, Spain
 Dr Sergio Álvarez Sánchez, Spanish Ministry of the Environment and Rural and Marine Affairs
 Dr Fernando Latorre, Centre for Plant Genetic Resources, National Agricultural Research Institute, Spanish Ministry of Science and Innovation
 Mr Fernando Casas, Alexander Von Humboldt Institute, Colombia
 Mr Timothy Hodges, Biodiversity Convention Office, Environment Canada.
 Dr Alejandro Lago Candeira, Rey Juan Carlos University, Spain
 Dr Luis Ayerbe, Centre for Plant Genetic Resources, National Agricultural Research Institute, Spanish Ministry of Science and Innovation

Dr José Esquinas Alcázar, Polytechnic University of Madrid, Spain
 Ms China Williams/Ms Natasha Ali, Royal Botanic Gardens, Kew, United Kingdom
 Ms Katherine Davis, BGCI, Canada
 Mr. Bulent Kukurtcu, Pharmamar, Spain

Students will be tested, either individually or in groups, on the subject matter covered in each section, and graded on the basis of their test results.

Online Virtual Classes

These classes will deal with the contents of the sections, through the UNIA virtual platform. Individual and/or group tests will be given on the contents covered.

Coordinator: Dr Margarita África Clemente Muñoz, University of Cordoba, Spain

Year 2009-2010

Following successful completion of the On-Campus Class Stage in the first year, the registration fee for the 12 research credits comprising the second year (Research Stage culminating in the presentation of a Master's thesis) must be paid prior to 31st October 2009. The following documents will be required:

- 1) Registration form for the research period
- 2) Proof of payment for the 12 credits for which the student is registering

The supervised research credits will fall into any of the following areas:

Conservation and Management of CITES Species (Plants)
 Economics and the Environment
 Economics and the Environment
 Ethnobotany, Diversity in Space and Time
 Law and the Environment
 Law and the Environment
 Threats to and Knowledge of Biodiversity
 Knowledge and Management of Animals
 Knowledge and Management of Animals
 Diversity in Space and Time
 Geographic Information Systems, Cartography
 Geographic Information Systems, Cartography
 Management of Forestry Species
 Molecular Biology Techniques
 Molecular Biology Techniques
 Gene Banks
 Conservation and Management of CITES Species (Plants)
 Conservation and Management of CITES Species (Plants)
 Conservation and Management of Succulents
 Nomenclature and Taxonomy
 Conservation Techniques
 Alien Species

Dr Margarita África Clemente Muñoz
 Dr Julio Berbel Vecino
 Dr Carlos Romero López
 Dr Esteban Hernández Bermejo
 Dr Enrique Alonso García
 Dr. Alejandro Lago Candeira
 Dr Vernon H. Heywood
 Dr Rodrigo Medellín
 Dr Manfred Niekisch
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 Dr Rafael María Navarro Cerrillo
 Dr César Pérez Ruiz
 Dr Elena Torres Iamas
 Dr José María Durán Altisent
 Dr Giuseppe Frenguelli
 Dr Patricia Dávila
 Dr Mauricio Sajeve
 Dr Michael Kiehn
 Dr Enriqueta Martín-Consuegra Fernández
 Dr Borja Heredia Armada

To obtain the **actual Master's Degree**: the Master's thesis must be completed within the period between 9 and 12 months after the end of class sessions. The UNIA will issue the actual diploma upon successful completion of this stage.

7. RESIDENCE SERVICE

The Antonio Machado Site has a university residence. Those who wish to choose this form of accommodation must apply for it at the Secretarial Office of the Antonio Machado Site. The cost of accommodation in a shared double room is 12 € per person per day.

8. INFORMATION AND REGISTRATION

Universidad Internacional de Andalucía
Sede Antonio Machado
Palacio de Jabalquinto
Plaza de Santa Cruz, s/n
23440 BAEZA (Jaén) SPAIN
E-mail: machado@unia.es
Http://www.unia.es
Telephone: +34 953 742775
Fax: +34 953 742975

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