



**UNIVERSIDAD INTERNACIONAL DE ANDALUCÍA**  
**Sede Antonio Machado - Baeza (Jaén) - SPAIN**

**2006-2008 BIENNIUM**

**6<sup>th</sup> MASTER'S DEGREE IN**  
***MANAGEMENT, ACCESS AND CONSERVATION OF SPECIES IN***  
***TRADE: THE INTERNATIONAL FRAMEWORK***

**On-campus period: From 8<sup>th</sup> January to 23<sup>rd</sup> March, 2007**

# 6<sup>th</sup> MASTER'S DEGREE IN MANAGEMENT, ACCESS AND CONSERVATION OF SPECIES IN TRADE: THE INTERNATIONAL FRAMEWORK

## Organised by:

International University of Andalusia, Spain.

## Academic board of the programme:

Dr. Margarita Clemente Muñoz  
Dr. César Pérez Ruiz

## 1. DATES AND ACADEMIC STRUCTURE

This 60-credit academic programme is formed by 44 on-campus credits, 4 virtual credits and 12 research credits, structured as follows:

- A. On-campus classes - **44 credits**, divided into eleven sections.
- B. Online virtual classes - **4 credits** taught through the Virtual Platform of the International University of Andalusia and related to the contents of the first four sections.
- C. Off-campus research period - **12 credits** devoted to the development of a research project.

### Year 2006-2007

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.

Virtual credits: Individual and/or group tests will be given on the contents covered through the Virtual Platform of the International University of Andalusia.

### Year 2007-2008

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 high quality training specialised in the scientific bases, techniques and instruments that make it possible to implement and develop the major Multilateral Environmental Agreements (MEAs), especially the Convention on Biological Diversity (CBD) and the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). 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 the 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:

- Theoretical and practical aspects of the relation between Economics and the Environment.
- Scientific bases and methodology for the diagnosis and resolution of problems related to a proper implementation of the Convention on Biological Diversity.
- The concept of Biodiversity at all organisational levels, especially population, species and ecosystem levels.
- 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 for the study of variation in forestry species, plant cartography and population assessment.
- Population biology, conservation and management of animal species.
- Recovery plans and sustainable management programmes for Fauna and Flora at the international level.
- Analysis of the impact of invasive species on biodiversity.
- Techniques for germplasm preservation.

- Techniques for the propagation and study of genetic diversity at the molecular level. *In vitro* cultivation techniques. PCR analysis of DNA and RNA.
- Scientific bases applied to the management of Germplasm Banks.
- Existing international systems to regulate access to genetic resources and benefit-sharing.
- Negotiation systems in Multilateral Environmental Agreements (MEAs).
- Legal aspects of Multilateral Environmental Agreements.
- Programmes of the CBD.
- Scientific bases and methodology for the diagnosis and resolution of problems related to a proper implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
- Administrative, legislative and control issues in CITES implementation.
- Biological and trade criteria for listing species in the CITES appendices.
- Significant trade reviews.
- Assessment studies for the making of non detriment findings for specimens taken from the wild.
- Techniques for the identification of species and specimens subject to CITES controls.
- Functioning and implementation of EU provisions.

### 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.

The degrees that are eligible for this Master's Programme are the following:

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 documentation required in the application form of the International University of Andalusia (available on the University website: [www.unia.es](http://www.unia.es)).

The deadline for applications is **September 29<sup>th</sup>, 2006**. Applications registered by mail 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 of the 48 Course Credits before **October 31<sup>st</sup>, 2006**.

#### 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](http://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); if this is not available, it is possible to provide 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: 44 €.
- Registration fee: 49 €.

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: BCOEESMM067

### 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 before **October 31<sup>st</sup>, 2006**.

### 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, it is possible to provide a certified photocopy of the university diploma.
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](http://www.unia.es)

## Deadline for scholarship applications

The deadline for scholarship applications is September 29<sup>th</sup>, 2006. Applications registered by mail within this period will be accepted.

Scholarship applications must be sent to the Sede Antonio Machado of the Universidad Internacional de Andalucía.

## 6. ACADEMIC PROGRAMME AND CALENDAR

### Year 2006-2007

#### On-campus classes (44 credits).

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.- *“Economics of Natural Resources: Theoretical and Practical Aspects.” Introduction to the Legislation of Multilateral Agreements.*

*4 on-campus credits + 1 virtual credit\*.*

From 8<sup>th</sup> to 12<sup>th</sup> January 2007.

Coordinator: Dr. Margarita Africa Clemente Muñoz, University of Cordoba, Spain.

Lecturers: Dr. Julio Berbel Vecino, University of Cordoba, Spain.

Dr. Carlos Romero López, Polytechnic University of Madrid, Spain.

Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.

Dr. Enrique Alonso, Advisor for the Spanish government's top advisory body.

Dr. Margarita Clemente Muñoz, University of Cordoba, Spain.

Dr. Vernon H. Heywood, University of Reading, United Kingdom.

#### Section 2.- *“Biodiversity: Knowledge, Threats, Conservation and Management.”*

*4 on-campus credits + 1 virtual credit\*.*

From 15<sup>th</sup> to 19<sup>th</sup> January 2007.

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

Lecturers: Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.

Dr. Vernon H. Heywood, University of Reading, United Kingdom.

Dr. Rodrigo Medellín, UNAM, National Autonomous University of Mexico.

Dr. Manfred Niekisch, University of Greifswald, Germany.

Dr. Margarita Clemente Muñoz, University of Cordoba, Spain.

Dr. Giuseppe Frenguelli, University of Perugia, Italy.

#### Section 3.- *“Techniques Applied to the Conservation and Study of Biodiversity.”*

*4 on-campus credits + 1 virtual credit\*.*

From 22<sup>nd</sup> to 26<sup>th</sup> January 2007.

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

Lecturers: Dr. César Pérez Ruiz, Polytechnic University of Madrid, Spain.

Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.

Dr. Enriqueta Martín-Consuegra Fernández, University of Cordoba, Spain.

Dr. José María Durán Altisent, Polytechnic University of Madrid, Spain.

#### Section 4.- *“Diversity in Space and Time.” 4 on-campus credits + 1 virtual credit\*.*

From 29<sup>th</sup> January to 2<sup>nd</sup> February 2007.

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

Lecturers: Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.

Dr. José María Iriondo, Polytechnic University of Madrid, 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 5.-“The Convention on Biological Diversity: Main Programmes.” 4 credits.**

From 5<sup>th</sup> to 9<sup>th</sup> February 2007

- Coordinator: Dr. Maite Martín Crespo, General Directorate for Biodiversity. Spanish Ministry of the Environment.
- Lecturers: Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.  
Dr. Maite Martín Crespo, General Directorate for Biodiversity. Spanish Ministry of the Environment.  
Mr. Alejandro Lago Candeira, Rey Juan Carlos University, Spain.  
Dr. Marian Ramos, Natural Sciences Museum, Madrid. Spanish Council for Scientific Research (CSIC).  
Dr. Borja Heredia Armada, General Directorate for Biodiversity. Spanish Ministry of the Environment.  
Sra. Asha Sukhwani Kundanmal, Spanish Office of Patents and Trademarks.  
Staff from the Spanish Ministry of the Environment and the Spanish Ministry of Foreign Affairs and Cooperation.  
Staff from the CBD Secretariat.

**Section 6.-“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.” 4 credits.**

From 12<sup>th</sup> to 16<sup>th</sup> February 2007.

- Coordinator: Dr. Maite Martín Crespo, General Directorate for Biodiversity, Spain.
- Lecturers: Dr. Maite Martín Crespo, General Directorate for Biodiversity, Spain.  
Dr. Sergio Álvarez Sánchez, Spanish Ministry of the Environment.  
Dr. Fernando LaTorre, Spanish Ministry of Agriculture.  
Dr. Fernando Casas, Alexander Von Humboldt Institute, Colombia.  
Mr. Timothy Hodges, Biodiversity Convention Office, Environment Canada.  
Dr. Esteban Hernández Bermejo, University of Cordoba, Spain.  
D. Alejandro Lago Candeira, Rey Juan Carlos University, Spain.  
Mr. Noel McGough, Royal Botanic Gardens, Kew, United Kingdom.  
Dr. Luis Ayerbe, National Germplasm Bank, Spain.  
Dr. José Esquinas-Alcázar, Plant Genetic Resources General Secretariat, FAO.

**Section 7.- “The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). General Introduction.”4 credits.**

From 19<sup>th</sup> to 23<sup>rd</sup> February 2007.

- 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. General Secretariat for Foreign Trade. CITES Management Authority. Spanish Ministry of Industry, Tourism and Trade.  
Ms. Victoria Lichtschein, Coordinator of Biodiversity Conservation. Secretariat for the Environment and Sustainable Development, Argentina.  
Dr. Margarita Africa Clemente Muñoz, University of Cordoba, Spain.  
Staff of the CITES Secretariat. Geneva, Switzerland.

**Section 8.-“Administrative Aspects of the Implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).” 4 credits.**

From 26<sup>th</sup> February to 2<sup>nd</sup> March 2007.

- 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. General Secretariat for Foreign Trade. CITES Management Authority. Spanish Ministry of Industry, Tourism and Trade.  
Staff of the General Secretariat for Foreign Trade. CITES Management Authority. Spanish Ministry of Industry, Tourism and Trade.  
Staff of the CITES Secretariat. Geneva, Switzerland.  
CITES team of the DG ENV.E2. European Commission, Brussels.  
Staff from Customs.  
Staff from SEPRONA, the Spanish Environmental Police.

**Section 9.-“Scientific Aspects of the Conservation and Management of Animal Species Threatened by Trade.” 4 credits.**

From 5<sup>th</sup> to 9<sup>th</sup> March 2007.

Coordinator: Mr. Carlos Ibero Solana, ATECMA, scientific consultant for the CITES Scientific Authority, Spanish Ministry of the Environment.

Lecturers: Mr. Carlos Ibero Solana, ATECMA, scientific consultant for the CITES Scientific Authority, Spanish Ministry of the Environment.  
Dr. Manuel María Calderón Moreno, CITES Scientific Authority. General Directorate for Biodiversity. Spanish Ministry of the Environment.  
Dr. Jerónimo Corral Estrada, Spanish Institute of Oceanography. Spanish Council for Scientific Research (CSIC).  
Dr. Vincent Fleming, Joint Nature Conservation Committee, United Kingdom.  
Mr. Ricardo Banchs. Directorate for Wild Fauna, Secretariat for the Environment and Sustainable Development, Argentina.  
Dr. Gerardo Fragoso. UNEP-WCMC, United Kingdom.  
Dr. Colman O’Criodain. CITES Scientific Authority, Ireland.  
Staff of the CITES Secretariat. Geneva, Switzerland.

**Section 10.-“Scientific Aspects of the Conservation and Management of Plant Species Threatened by Trade.” 4 credits.**

From 12<sup>th</sup> to 16<sup>th</sup> March 2007

Coordinator: Dr. Enriqueta Martín-Consuegra Fernández, University of Cordoba, Spain.

Lecturers: Dr. Enriqueta Martín-Consuegra Fernández, University of Cordoba, Spain.  
Dr. Roddy Gabel, CITES Scientific Authority, USA.  
Drs. Chris Schürmann, CITES Scientific Authority, The Netherlands.  
Dr. Uwe Shippmann, Federal Agency for Nature Conservation, Germany.  
Dr. Michael Kiehn, University of Vienna, Austria.  
Dr. Margarita Africa Clemente Muñoz, University of Cordoba, Spain.  
Mr. Noel McGough, Royal Botanic Gardens, Kew, United Kingdom.  
Ms. Madeleine Groves, Royal Botanic Gardens, Kew, United Kingdom.  
Staff of the CITES Secretariat. Geneva, Switzerland.

**Section 11.-“Techniques for Identification and Control of Species in International Trade.” 4 credits.**

From 19<sup>th</sup> to 23<sup>rd</sup> March 2006.

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

Lecturers: Dr. Edgard Espinoza. National Fish and Wildlife Forensic Laboratory, United States of America.  
Dr. Margarita Africa Clemente Muñoz, University of Cordoba, Spain.  
Staff from the General Secretariat for Foreign Trade. CITES Management Authority. Spanish Ministry of Industry, Tourism and Trade.  
Staff from the Natural Sciences Museum, Madrid. Spanish Council for Scientific Research (CSIC).

**\* Online virtual classes (4 credits).**

These classes will deal with the contents of the first 4 Sections, through the Virtual Platform of the International University of Andalusia. Individual and/or group tests will be given on the contents covered.

Coordinators: Dr. Margarita Clemente Muñoz and Dr. Enriqueta Martín-Consuegra Fernández, University of Cordoba, Spain.

**Year 2007-2008**

After successful completion of the 48 credits of the first year, the fee for the 12 research credits of the second year - the research period - must be paid before **October 31<sup>st</sup>, 2007**. The following documents will be required:

- 1) Duly completed application form for the research period.
- 2) Proof of payment of the 12 credits the student is registering for.

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

Conservation and Management of CITES species (Flora)  
Economics and the Environment  
Economics and the Environment  
Ethnobotany, Diversity in Space and Time  
Law and the Environment  
Threats to and Knowledge of Biodiversity  
Knowledge and Management of Fauna  
Knowledge and Management of Fauna  
Diversity in Space and Time  
Geographic Information Systems, Cartography  
Geographic Information Systems, Cartography  
Management of Forestry Species  
Molecular Biology Techniques  
Molecular Biology Techniques  
Germplasm Banks  
Conservation and Management of CITES species (Flora)

Dr. Margarita Clemente Muñoz  
Dr. Julio Berbel Vecino  
Dr. Carlos Romero López  
Dr. Esteban Hernández Bermejo  
Dr. Enrique Alonso  
Dr. Vernon H. Heywood  
Dr. Rodrigo Medellín  
Dr. Manfred Niekisch  
Dr. José María Iriondo  
Dr. Manuel Sánchez de la Orden  
Dr. Alfonso García Ferrer  
Dr. Rafael María Navarro Cerrillo  
Dr. César Pérez Ruiz  
Dr. Enriqueta Martín-Consuegra Fernández  
Dr. José María Durán Altisent  
Dr. Giuseppe Frenguelli

The supervised Research Project must take place between April 30<sup>th</sup>, 2007 and April 30<sup>th</sup>, 2008. Students must send four printed copies and one electronic version so that the research can be evaluated by a specially appointed Committee.

## 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 Euro per person per day.

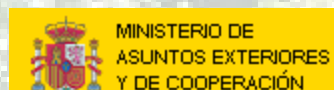
## 8. INFORMATION AND REGISTRATION

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](mailto:machado@unia.es)  
Http://www.unia.es  
Telephone: +34 953 742775  
Fax: +34 953 742975

ORGANISED BY



WITH THE COLLABORATION OF



FUNDACIÓN CAROLINA



The Master's Degree Course has been given in five previous editions by the International University of Andalusia. In these five editions, quality specialised training was given to 137 individuals from 51 countries (Antigua, Argentina, Bahamas, Bolivia, Botswana, Brazil, Burundi, Chile, China, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Equatorial Guinea, Greece, Guatemala, Honduras, Hungary, India, Indonesia, Italy, Kenya, Mexico, Mozambique, Namibia, Nepal, Nigeria, Panama, Kuwait, Nicaragua, Paraguay, Peru, Russian Federation, Saint Lucia, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Surinam, Tanzania, Thailand, Uganda, United States of America, Uruguay, Venezuela, Vietnam, Serbia, Zambia and Zimbabwe).