

## MANAGEMENT AND RESTORATION OF NATURAL ENVIRONMENT (2021-22)

<b>Código:</b> D055	<b>Fecha de aprobación:</b> 09/01/2014	<b>Precio:</b> 39,27 1st registration credits
<b>Créditos:</b> 60	<b>Título:</b> Master (ECTS)	

### RAMA

Sciences

### PLAN

UNIVERSITY MASTER'S DEGREE IN MANAGEMENT AND RESTORATION OF NATURAL ENVIRONMENT

### TIPO DE ENSEÑANZA

Face-to-face

### CENTROS DONDE SE IMPARTE

Faculty of Science

### ESTUDIO IMPARTIDO CONJUNTAMENTE CON

Solo se imparte en esta universidad

### FECHAS DE EXAMEN

[Acceda al listado de fechas de examen para esta titulación.](#)

## PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2021-22

Leyenda: No ofertada Sin docencia

### UNIVERSITY MASTER'S DEGREE IN MANAGEMENT AND RESTORATION OF NATURAL ENVIRON

#### COMPULSORY SUBJECTS

40 créditos

Curso	Título	Créditos	Subject
1	END OF MASTER WORK	20	<a href="#">36016 - MASTER'S DEGREE FINAL PROJECT</a>
1	COMPULSORY	10	<a href="#">36000 - DESCRIPTION AND ASSESSMENT OF ECOSYSTEMS</a>
1	COMPULSORY	2,50	<a href="#">36001 - ECOLOGICAL ECONOMICS</a>
1	COMPULSORY	2,50	<a href="#">36002 - ENVIRONMENTAL SECTOR LAW</a>
1	COMPULSORY	2,50	<a href="#">36004 - ADVANCED SEMINARS ON THE ECOLOGY OF RESTORATION AND CONSERVATION</a>
1	COMPULSORY	2,50	<a href="#">36005 - EXPERIMENTAL DESIGN AND DATA ANALYSIS</a>

#### OPTIONAL SUBJECTS

20 créditos

Curso	Título	Créditos	Subject
1	OPTIONAL	2,50	<a href="#">36006 - MANAGEMENT TOOLS FOR NATURAL AREAS</a>
1	OPTIONAL	2,50	<a href="#">36007 - VEGETATION DYNAMICS MODELS</a>
1	OPTIONAL	2,50	<a href="#">36008 - DESERTIFICATION: ASSESSMENT AND MITIGATION</a>
1	OPTIONAL	2,50	<a href="#">36009 - KNOWLEDGE TRANSFER AND COMMUNICATION FOR MANAGEMENT</a>
1	OPTIONAL	2,50	<a href="#">36010 - ECO-HYDROLOGY IN ARID ENVIRONMENTS</a>
1	OPTIONAL	2,50	<a href="#">36011 - FIRE ECOLOGY</a>
1	OPTIONAL	2,50	<a href="#">36012 - RESTORATION IN ARID ENVIRONMENTS</a>
1	OPTIONAL	2,50	<a href="#">36013 - PLANT NURSERIES AND MANAGING PLANT MATERIAL FOR RESTORATION</a>
1	OPTIONAL	2,50	<a href="#">36021 - REMOTE SENSING APPLICATIONS</a>
1	OPTIONAL	2,50	<a href="#">36022 - GEOGRAPHIC INFORMATION SYSTEM APPLICATIONS</a>
1	OPTIONAL	2,50	<a href="#">36031 - CONSERVATION BIOLOGY APPLICATIONS</a>
1	OPTIONAL	2,50	<a href="#">36033 - SOIL DECONTAMINATION</a>
1	OPTIONAL	2,50	<a href="#">36034 - DUNE AND BEACH REGENERATION</a>
1	OPTIONAL	2,50	<a href="#">36035 - RIVER AND CHANNEL REHABILITATION</a>
1	OPTIONAL	2,50	<a href="#">36036 - REHABILITATION OF QUARRIES AND SLOPES</a>
1	OPTIONAL	2,50	<a href="#">36037 - RESTORATION AND CREATION OF WETLANDS</a>
1	OPTIONAL	2,50	<a href="#">36038 - FORESTRY RESTORATION TECHNIQUES</a>

Superado este bloque se obtiene

**MASTER'S DEGREE IN MANAGEMENT AND RESTORATION OF THE NATURAL ENVIRONMENT**

**OBJECTIVES**

The fundamental aim of this Master's Degree is to train professionals in the field of the Environment who are capable of developing and applying preventative and corrective measures to environmental degradation. The course aims to provide a solid multidisciplinary training that addresses both social aspects and a scientific and technical training in environmental restoration and management, together with the methodologies necessary to contribute solutions and make decisions related to these activities. Likewise, the programme will enable students to acquire the specialised knowledge necessary for conducting competitive research in ecosystem conservation and restoration.



- [Structure of the Master's Degree: credits and subjects](#)
- [Distribution of subjects by year/semester](#)
- [General course programme](#)

## MASTER'S DEGREE: CREDITS AND SUBJECTS

Subject type	Credits
Compulsory (OB)	20
Optional (OP)	20
Master's Final Project ( <i>Work Experience or optional subjects</i> )(OB)	20
<b>TOTAL CREDITS</b>	<b>60</b>

## DISTRIBUTION OF SUBJECTS BY YEAR/SEMESTER

SUBJECTS TAUGHT AT THE UNIVERSITY OF ALICANTE					
FIRST SEMESTER			SECOND SEMESTER		
DESCRIPTION AND ASSESSMENT OF ECOSYSTEMS (M1/SUBJ.1)	OB	10	DESERTIFICATION. ASSESSMENT AND MITIGATION (M2/SUBJ.3)	OP	2.5
ECOLOGICAL ECONOMICS (M1/SUBJ.1)	OB	2.5	ECO-HYDROLOGY IN ARID ENVIRONMENTS (M2/SUBJ.3)	OP	2.5
ENVIRONMENTAL SECTOR LEGISLATION (M1/SUBJ.1)	OB	2.5	THE ECOLOGY OF FIRE (M2/SUBJ.3)	OP	2.5
ADVANCED ECOLOGY SEMINARS ON RESTORATION AND CONSERVATION (M1/SUBJ.1)	OB	2.5	KNOWLEDGE TRANSFER AND COMMUNICATION FOR MANAGEMENT (M2/SUBJ.3)	OP	2.5
EXPERIMENTAL DESIGN AND DATA ANALYSIS (M1/SUBJ.1)	OB	2.5	RESTORATION IN ARID ENVIRONMENTS (M2/SUBJ.4)	OP	2.5
TOOLS FOR MANAGING NATURAL AREAS (M2/SUBJ.2)	OP	2.5	PLANT NURSERIES AND MANAGING PLANT MATERIAL FOR RESTORATION (M2/SUBJ.4)	OP	2.5
PLANT DYNAMICS MODELS (M2/SUBJ.2)	OP	2.5	REMOTE SENSING APPLICATIONS (M2/SUBJ.2)	OP	2.5
			GEOGRAPHICAL INFORMATION SYSTEMS: APPLICATIONS (M2/SUBJ.2)	OP	2.5
			BIOLOGY APPLICATIONS IN CONSERVATION (M2/SUBJ.2)	OP	2.5
			RESTORING HILLSIDES AND QUARRIES (M2/SUBJ.4)	OP	2.5
			WORK EXPERIENCE	OB	20

## GENERAL COURSE PROGRAMME

Students should successfully complete a minimum of 60 ECTS credits. Both compulsory and optional subjects are distributed among 4 modules, including one compulsory module (*Environmental Assessment and Ecosystem Diagnosis*), worth 20 ECTS credits, and three optional modules, from which students should take subjects worth a minimum of 20 ECTS credits. These three optional modules are worth a total of 67.5 ECTS credits. Those students who opt to take either the focus on research or the professional practice module must take the *work experience* module, worth 20 ECTS credits. If the focus on academic practice route is selected, students are free to choose from among the different modules offered to complete their remaining 20 credits.

The Modules and subjects which comprise this Master's Degree are as follows:

- (M1- Subj.1) Compulsory Module: *Environmental Assessment and Decision-Making (EADT)* worth 20 ECTS credits.
- (M2-Subj.2) Optional Module: *Management Tools and Analytical Techniques (MTAT)*, worth a maximum of 20 ECTS credits.

- (M2-Subj.3) Optional Module: *Environmental Management and Diagnosis (EMD)*, worth a maximum of 25 ECTS credits.
- (M2-Subj.4) Optional Module: *Ecosystem Restoration and Corrective Measures (REMC)*, worth a maximum of 22.5 ECTS credits.
- (M3-P) Focus on Professional Practice Module (FPP) *Work Experience* (20 optional ECTS credits).
- (M3-R) Focus on Research Module (FRM) *Work Experience* (20 optional ECTS credits).

The compulsory M1 Subj.1, 8 subjects from among the three subject areas included in M2 (optional module) and the *work experience* modules are taught at the University of Alicante, thus guaranteeing the possibility of completing the course at the University of Alicante, should mobility not be an option.

Two possible routes are envisaged on this Master's Degree course:

**(1) Professionalisation and**

**(2) Research.**

Irrespective of the route chosen students must take the corresponding final modules (M3-P professional practice or M3-R research), since these modules are aimed at equipping students for professional practice, scientific research or academic practice, respectively. Students who opt for the focus on research module will qualify to prepare their doctoral thesis.

For work experience and/or the research project, students should undertake supervised periods of work in companies, institutions and research centres, such as the Departments involved in the teaching of the course, institutions or research centres such as the Spanish National Research Council (CSIC), or scientific parks, etc., where they will acquire the practical training necessary.

- [Entry Requirements and Selection Criteria](#)
- [Admission and Assessment Criteria](#)
- [Pre-enrolment and Enrolment](#)
- [Number of Places](#)

## ENTRY REQUIREMENTS AND SELECTION CRITERIA

According to the Regulations of the University of Alicante, the following requirements must be complied to have access to official taught Master's degrees:

1. To be in possession of a SPANISH OFFICIAL GRADUATE DEGREE CERTIFICATE or other issued by an institution of higher education within the [EHEA](#) (European Higher Education) that enables the holder to have access to Master's degrees in the issuing.
2. To be in possession of an officially approved FOREIGN HIGHER EDUCATION DEGREE CERTIFICATE that had been recognised as equal to the degree that allows access to the requested studies.
3. To be in possession of a UNIVERSITY DEGREE CERTIFICATE obtained in a University or Higher Education Institution of COUNTRIES OUTSIDE THE EHEA, without the prior approval of their studies. In this case, the following should be considered:
  - Non- recognised degree certificates shall require a technical report showing an equivalence statement issued by the University of Alicante ([ContinUA – Continuing Education Centre](#)), for which the [corresponding fee](#) should be paid.
  - Access through this way does under no circumstances imply prior official approval of the holder's degree certificate, nor its recognition for purposes other than studying a master's degree.

## ADMISSION AND ASSESSMENT CRITERIA

All graduates in Environmental Sciences, Biology, Marine Sciences and Forest Engineering will have acquired sufficient knowledge to be admitted to the Master's Degree without the need for additional training. However, graduates in less closely related disciplines, such as Road, Canal and Port Engineering, Geography or Geology will be required to take up to a maximum of 30 additional credits in specific complementary areas, depending on the type of degree held.

Where necessary, and only under exceptional circumstances, personal interviews will be held. In the case where the degree presented for admission was issued in a country where the curriculum is very different to that of Spain, the centre responsible for teaching the degree will be consulted. The Master's Degree Coordinating Committee will assess the suitability of prior knowledge as regards the skills to be acquired on the Master's Degree.

As regards applicants from countries outside the European Space for Higher Education, the admission procedure will comply with current legislation.

Other criteria which will be considered include: professional experience in the field of environmental applications, and, above all, whether applicants have held a post of responsibility in the management of protected natural areas.

## PRE-ENROLMENT AND ENROLMENT

### PRE-ENROLMENT [+info](#)

Students who intend to study for an officially recognised Master's Degree at the UA should complete pre-enrolment in accordance with the guidelines and deadlines specified annually.

### ENROLMENT [+info](#)

Following publication of the final list of those admitted to the course, an email containing a user password will be sent to successful applicants, enabling them to enrol via the **Campus Virtual** in accordance with the guidelines and deadlines specified annually.

In the registration process, the **documents issued abroad** must be official, duly notarised and translated. Further information:

- <http://sqa.ua.es/en/academic-regulations/legalizacion/legalization-of-documents.html>

## NUMBER OF PLACES

COURSE	NUMBER OF PLACES
2012-13	30

2013-14	30
2014-15	30
2015-16	30
2016-17	30



- [Focus](#)
- [Degree course specialisation profile](#)
- [Professional profile](#)

### **Focus**

This Master's Degree has an professional and research focus. It aims to provide students with an advanced theoretical and experimental training in environmental restoration and management.

### **Degree course specialisation profile**

The aim of this programme is for graduates to acquire the scientific knowledge and professional skills necessary to undertake professional activities recognised as such by Professional Colleges, whether for Environmentalists or Biologists, within the context of environmental restoration and management. Specifically, the aim of this programme is to train students in the fulfilment of the following tasks:

- Conducting environmental assessment studies.
- The Design, management and accomplishment of restoration projects.
- Literature reviews related to the topics of conservation and restoration of ecosystems.
- Effective management of protected natural areas.

To this end, the Master's degree includes a network of contacts with companies and organisations in this sector for work experience placements, based on an existing network of exchange, and on the experience of the universities responsible. The list of contacts includes:

- Public government.
- Companies in the forestry sector.
- Companies producing ecological restoration materials.
- Forestry and ornamental plant nurseries.
- Companies working in hillside replantation.
- Aggregate quarry companies.
- NGOs.
- Seed production and management.
- Consultancy firms.
- Others.

### **Professional Profile**

The basic aim of this Master's degree is to train professionals in the field of the Environment who are capable of developing and applying preventative and corrective measures to environmental degradation. Similarly, this Master's Degree programme will enable students to acquire the specialised knowledge necessary to conduct competitive research in the field of restoration and conservation of ecosystems.

**TIMESCALE FOR IMPLEMENTATION****1. Timescale for implementation of the new Master's Degree Course**

<b>Academic year</b>	<b>Implementation of the Master's Degree</b>
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2010-2011	1st year
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**2. Equivalence Recognition Procedures, where appropriate, between the current and the new course programme.**

Not applicable.

**3. Studies that will be discontinued and replaced by the proposed Degree course:**

The doctorate programme in Conservation and Restoration of Ecosystems and Biological Diversity, MCD2006/2009-00257, will be discontinued.

- [Verified Report](#)
- [Resolution from the Universities Council: Positive verification](#)
- [Resolution from the Universities Council: Accreditation renewal](#)
- [Authorization from the Valencian Government](#)

#### Internal Quality Assurance System (SGIC) of the Title

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- Structure of the Centre for Quality
  - [Comission of Internal Quality Guarantee](#)
  - [Other Commissions](#)
- [Handbook SGIC](#)
- [Procedures](#)
  - [Strategic \(PE\)](#)
  - [Key \(PC\)](#)
  - [Support \(PA\)](#)
  - [Measurement \(PM\)](#)
- [Management of the SGIC \(Access to ASTUA\)](#)

#### Follow-up of the Title

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- [Self-reports UA](#)
- [External reports AVAP](#)
- [Other reports](#)
- [Improvement Plans](#)
- [Progress and Learning Outcomes](#)

Information about the Centre	General information for students
<ul style="list-style-type: none"> <li>• <b>Faculty of Sciences</b></li> </ul> <p>Campus de San Vicente del Raspeig Ctra. de Alicante s/n 03690 San Vicente del Raspeig (Alicante) Telephone:+ 34 96 590 3557 Fax:+ 34 96 590 3781 <a href="mailto:facu.ciencias@ua.es">facu.ciencias@ua.es</a> <a href="http://ciencias.ua.es/en/">http://ciencias.ua.es/en/</a></p> <ul style="list-style-type: none"> <li>• <b>Life Long Learning Centre (ContinUA)</b></li> </ul> <p><b>Only for pre-enrolment formalities</b></p> <p>Germán Bernácer Building. Ground Floor Telephone: + 34 96 590 9422 Fax: + 34 96 590 9442 <a href="mailto:continua@ua.es">continua@ua.es</a> <a href="https://web.ua.es/en/continua/">https://web.ua.es/en/continua/</a></p>	<ul style="list-style-type: none"> <li>• <a href="#">Grants and assistance</a></li> <li>• <a href="#">Accommodation</a></li> <li>• <a href="#">Student refectories and cafeterias</a></li> <li>• <a href="#">Transport</a></li> <li>• <a href="#">Emergency medical care</a></li> <li>• <a href="#">Insurance</a></li> <li>• <a href="#">Services for students with special needs</a></li> <li>• <a href="#">Student representation and participation</a></li> <li>• <a href="#">University student identity card (TIU)</a></li> <li>• <a href="#">Frequently asked questions</a></li> </ul>
UA: General Regulations	+ Information about qualifications
<ul style="list-style-type: none"> <li>• <a href="#">Academic regulations and procedures of the University of Alicante</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Official State Gazette (BOE) on publication of course programmes Modification</a></li> <li>• <a href="#">Own Web</a></li> <li>• <a href="#">Information pamphlet</a></li> <li>• <a href="#">Details title on the RUCT</a></li> </ul>