

**COURSE DATA****Data Subject**

<b>Code</b>	33810
<b>Name</b>	Environmental Evaluation
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	6.0
<b>Academic year</b>	2020 - 2021

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1318 - Degree in Geography and the Environment	Faculty of Geography and History	4	First term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1318 - Degree in Geography and the Environment	632 - Environmental assessment	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
SERRANO LARA, JOSE JAVIER	195 - Geography

**SUMMARY**

Environmental Assessment is a module that focuses on the applied study, from the paradigm of sustainable development, of key environmental policies for the prevention, management and mitigation of environmental impacts of human activity. This course aims to introduce students to the knowledge of the basic legislation and methodologies for conducting Environmental Impact Assessment and Strategic Environmental Assessments. It also addresses the study of corporate social responsibility from the analysis of instruments to improve the environmental quality of processes, such as environmental certifications.



## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

### Other requirements

It is recomendable to have passed the modules of Environment and Productive Activity and Spatial Planning

## COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

### 1318 - Degree in Geography and the Environment

- Have capacity for analysis and synthesis.
- Have skills for organisation, planning, management and assessment.
- Have problem-solving skills and decision-making capacity. Be able to design and manage projects.
- Be able to work independently.
- Be able to work in interdisciplinary teams.
- Be able to learn independently and show creativity, initiative and entrepreneurship. Be able to resolve unforeseen situations.
- Show motivation for quality, responsibility and intellectual honesty.
- Have research skills.
- Be able to communicate effectively with non-experts.
- Learn about methodology and fieldwork.
- Get acquainted with geographic information systems as a tool for learning about and interpreting the territory and the environment.
- Learn about the time and space dimensions in the explanation of social, territorial and environmental processes.
- Acquire basic knowledge for analysing and diagnosing public policies related to the geographical aspects of the environment.
- Learn basic techniques for fieldwork in geography and particularly for reading and interpreting the landscape in geographic terms.

## LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

1. Understanding of basic concepts in environmental economics, ecological economics, environmental impact, carrying capacity, ecological footprint and sustainable development.
2. Knowledge of the various policies of prevention and mitigation of environmental impacts of projects,



plans and programs.

3. Learning qualitative and quantitative techniques for conducting Environmental Impact Assessments.
4. Introduction to field work on detection and analysis of environmental impacts of projects and plans.
5. Understanding of the capacity land use methodology in a definite particular territory.
6. Basic knowledge of Environmental Management Systems of firms and institutions.

## DESCRIPTION OF CONTENTS

### 1. Environmental Impact Assessment and Sustainable Development

- 1.1. Productivist paradigm
- 1.2. World ecological crisis
- 1.3. Reactions: from environmental economy to ecological economy

### 2. Concept of environmental impact

- 2.1. Concept of environmental impact
- 2.2. Components and characteristics of environmental impacts

### 3. Legislation and components of an Environmental Impact Assessment

- 3.1. Characteristics of an EIA
- 3.2. EIA legislation in the EU and Spain
- 3.3. EIA structure, components and limitations
- 3.4. EIA in urban development projects

### 4. Methods and techniques of Environmental Impact Assessment

- 4.1. Overview of techniques
- 4.2. Methods to identify impacts
- 4.3. Matrix techniques
- 4.4. Methods to assess impacts

### 5. Strategic Environmental Assessment

- 5.1. Introduction to PPP
- 5.2. Structure and components of SEA
- 5.3. Methodologies

**6. Corporate environmental and social responsibility**

6.1. Introduction to management tool for companies

6.2. Eco-Management and certificates

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	30,00	100
Other activities	15,00	100
Classroom practices	15,00	100
Attendance at events and external activities	15,00	0
Development of group work	10,00	0
Development of individual work	5,00	0
Study and independent work	20,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparing lectures	5,00	0
Preparation of practical classes and problem	5,00	0
Resolution of case studies	5,00	0
<b>TOTAL</b>	<b>140,00</b>	

**TEACHING METHODOLOGY**

As a fourth-grade course and following the teaching-learning methodologies more common in the European Higher Education Area, it is expected of the student a good capacity for independent work (reading literature, preparation of individual practices, group and field .) In this way teaching is organized as follows:

- Lectures with explanation of basic concepts
- The types of group and individual practices
- Discussion sessions on required reading and text analysis
- individual and group tutorials
- Follow-up outside the classroom.

Throughout the course must complete a series of individual and group practices, plus a field, which constitute the bulk of the final grade for the course. For these practices, attendance at seminars and trips case is absolutely essential.



## EVALUATION

The Course evaluation will take into account the evolution experienced by each student, and participation and homework. The distribution of scores is as follows:

40% final written test

25% Fieldwork with excursion

15% Class practices

20% Oral presentation

To add the mark of the practical activities to the final mark, it will be necessary for the student to take a mark of at least 4 points on the exam. If you do not reach a 4 on the exam, the final grade for the course will be the grade taken on the exam.

The practices are not recoverable in the first semester. To recover them, in the second semester, it will be necessary to take the practical part of the exam of the second call.

## REFERENCES

### Basic

- Carpintero, O. (1999): Entre la economía y la naturaleza. Madrid: Los libros de la Catarata.
- Conesa, V. (2010): Guía metodológica para la evaluación del impacto ambiental. Madrid: Mundi-Prensa
- Gaja, F. (2005): Revolución informacional, crisis ecológica y urbanismo. València: Edicions de IUPV.
- García Leyton, L. (2004): Aplicación del análisis multicriterio en la evaluación de impactos ambientales. Tesis Doctoral. UPC, 2004. Disponible en tdx
- García, M. (2003): Apuntes de economía ecológica. Boletín del ICE, nº 2767
- Gómez Orea, D. (2002): Evaluación de Impacto Ambiental. Madrid: Mundi-Prensa
- Martínez Alier, J. (2011): El ecologismo de los pobres. Barcelona: Icaria editorial
- Naredo, J.M. i Gutiérrez, L. (Eds.) (2005): La incidencia de la especie humana sobre la Tierra (1955-2005). Granada: Universidad de Granada. Fundación César Manrique
- Garmendia, A. (2010): Evaluación de Impacto Ambiental. Madrid: Pearson-Prentice Hall.





### **Additional**

- Cuyas, M.M. (2006): Urbanismo ambiental y evaluación estratégica. Tesis Doctoral. Girona: Universitat de Girona
- Holden, A. (2008) : Environment and tourism. Londres, Routledge
- Oñate et al. (2002): Evaluación Ambiental Estratégica. Madrid: Mundi Prensa
- Recatalá, L. y Sánchez, J. (2001): Método de evaluación de la capacidad del territorio para la planificación en el ámbito mediterráneo
- Seoáñez, M. y Angulo, I. (1999): Manual de gestión medioambiental de la empresa. Madrid: Mundiprensa

### **ADDENDUM COVID-19**

**This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council**

### **SEMI-PRESENTIAL TEACHING**

#### **1. Contents**

The contents initially included in the teaching guide are maintained

#### **2. Workload and time schedule**

The activities and their hours of dedication in ECTS credits marked in the original course guide will be kept. If the classrooms capacity according to the sanitary norms allows it, the theoretical and practical class attendance will be 100% (if the capacity couldn't be guaranteed, the class attendance would be reduced). Supplementary activities (weekly hour O: total 15 h.) may require attendance or could be online, and will be specified at the beginning of the term in the Annex to the Course Guide, like the rest of the teaching planning.

If the sanitary situation changes and no access to the University facilities is possible, all teaching activities will be carried out completely online. In this case, the adaptations will be communicated to the students through the Virtual classroom.

#### **3. Teaching Methodology**

Theory and practice classes that may be complemented with different types of materials and activities in the Virtual classroom.



Tutorials will be done online (through the UV corporate mail) or face-to-face by prior appointment with the teacher.

If the sanitary situation changes and no access to the University facilities is possible, teaching and tutorials will be carried out completely online. In this case, the adaptations will be communicated to the students through the Virtual classroom.

#### **4. Evaluation**

The evaluation criteria established in the Course Guide are kept.

If the University facilities were closed on the dates set in the official calendar for the final exam, the face-to-face exam would be replaced by an online test.

#### **5. Bibliographic references**

The recommended bibliography in the Course Guide is kept. If the sanitary situation changes and the access to the recommended bibliography is not possible, it will be replaced by materials accessible online.