Degree competences to which the subject contributes

Specific:

Transversal:
2. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

Teaching methodology

The hours of directed learning consist of lectures where the teacher makes a statement of three parts: (1) introduce the learning objectives, (2) introduce the basic concepts (3) seek student involvement by means of questions in order to relate the above concepts. Practical lessons (small group) to encourage student performing the activities proposed and described in the practice guides to learn various working methodologies related to Environmental economics. Supervision of the student in developing bibliographic research work and support for carrying out work on synthesis and economic analysis. Support material (such as readings, data, diagrams and photographs to support the lectures) is available by the student. This material, theme pdfs, practice guides, references for further reading, etc is distributed via the ATENEA platform. Autonomous learning is also encouraged, particularly through the deliverables and interaction during the lectures.

Learning objectives of the subject

The understanding of the subject has to lead students to acquire adequate knowledge of the main tools of economic analysis and the application of various techniques of organization and management in the production of goods using natural resources from alternative sources. Other important objectives for the course is the acquisition of techniques for the assessment of the private and external effects associated with the production of goods using natural resources from alternative sources, as well as the capacity to raise private and external major problems associated with running a business producing goods using natural resources from alternative sources.
<table>
<thead>
<tr>
<th>Study load</th>
<th>Hours large group:</th>
<th>Hours medium group:</th>
<th>Hours small group:</th>
<th>Guided activities:</th>
<th>Self study:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total learning time: 150h</td>
<td>40h</td>
<td>0h</td>
<td>20h</td>
<td>0h</td>
<td>90h</td>
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<tr>
<td></td>
<td>26.67%</td>
<td>0.00%</td>
<td>13.33%</td>
<td>0.00%</td>
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<tr>
<td>Content</td>
<td>INTRODUCTION TO ENVIRONMENTAL ECONOMICS</td>
<td>ECONOMIC POLICY AND ENVIRONMENTAL REGULATION</td>
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</tbody>
</table>
| **Description:** | - Welfare Economics and the Environment.  
- Natural resources and factors of production.  
- Recursos renovables i recursos no renovables.  
- Introducció a l’Economia Ecològica. | - Environmental economic policy.  
- Taxes and Subsidies.  
- Property Rights.  
- Administrative Regulation.  
- Ethical Aspects. |
| **Related activities:** | Activity 1: Lectures.  
Activity 2: Individual evaluation tests.  
Activity 2: Individual evaluation tests. |
| **Learning time:** | 29h  
Theory classes: 16h  
Laboratory classes: 3h  
Self study: 10h | 18h  
Theory classes: 3h  
Self study: 15h |
# METHODS OF ENVIRONMENTAL ECONOMIC EVALUATION

**Description:**
- Quantification of environmental variables.
- Economic valuation of the environment.
- Description and application of various techniques.
- Cost-Benefit Analysis.
- Multicriteria evaluation.

**Related activities:**
- Activitat 1: Lectures
- Activitat 2: Individual evaluation tests
- Activitat 3: Practical lessons

**Learning time:** 55h
- Theory classes: 7h
- Laboratory classes: 13h
- Self study: 35h

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# COMPANIES AND ENVIRONMENT

**Description:**
- Environmental costs for the company.
- Environmental accounting.
- New products and opportunities for the company.
- Environmental management systems for the enterprise.

**Related activities:**
- Activitat 1: Lectures
- Activitat 2: Practical lessons
- Activitat 3: Individual evaluation tests
- Activitat 4: Assignments under academic supervision
- Activitat 5: Teamwork

**Learning time:** 22h
- Theory classes: 14h
- Laboratory classes: 8h
### Planning of activities

| ACTIVITY 1: LECTURES     | Hours: 86h  
|                         | Theory classes: 38h  
<table>
<thead>
<tr>
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<th>Self study: 48h</th>
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</thead>
</table>
| ACTIVITY 2: INDIVIDUAL EVALUATION TESTS | Hours: 2h  
<table>
<thead>
<tr>
<th></th>
<th>Theory classes: 2h</th>
</tr>
</thead>
</table>
| ACTIVITY 3: CASE STUDY  | Hours: 18h  
|                         | Theory classes: 16h  
<table>
<thead>
<tr>
<th></th>
<th>Self study: 2h</th>
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</thead>
</table>
| ACTIVITY 4: ANALYSIS OF AN ENVIRONMENTAL PROBLEM | Hours: 44h  
|                         | Laboratory classes: 4h  
|                         | Self study: 40h |

### Qualification system

The final grade of the course (Nfinal) is the weighted sum of the different tests and group work evaluated.

N1: Final exam  
N2: Discussion and delivery of the case studies  
N3: Critical review of proposed articles

\[ N_{\text{final}} = 0,5N1 + 0,30N2 + 0,2N3 \]

In the event that Nfinal is less than 5, there will be a final test that will include 4 units of both theory and practical activities.
390317 - VPA - Environmental Valuation and Policy

**Bibliography**

**Basic:**

**Complementary:**

**Others resources:**

- **Hyperlink**
  - Departament d'Agricultura, Alimentació i Acció Rural

- Institut d'Estadística de Catalunya

- Instituto Nacional de Estadística

- Banco de españa