

## 69754 - Eco-innovation and sectoral management

### Syllabus Information

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**Academic year:** 2024/25

**Subject:** 69754 - Eco-innovation and sectoral management

**Faculty / School:** 100 - Facultad de Ciencias

**Degree:** 627 - Master's Degree in Circular Economy  
655 -

**ECTS:** 6.0

**Year:** 01

**Semester:** First semester

**Subject type:** Compulsory

**Module:**

### 1. General information

The course of *Eco-innovation and sectoral management* provides knowledge of the current situation of the different economic sectors in relation to the Circular Economy and the necessary features for innovation in Circular Economy. The course is taught from the University of Lleida.

### 2. Learning results

- To interpret Life Cycle Assessment calculations.
- To propose eco-innovation methods in cases on different economic sectors.
- Innovation and creativity. To design and carry out a new task or project in a different way using creativity and curiosity to add value with an entrepreneurial attitude.
- To recognise the impact of the implementation of the Circular Economy in different economic sectors.

### 3. Syllabus

Topic 1. Eco-innovation: products, processes and services (examples and design).

Topic 2. Product Life Cycle Analysis tools.

Topic 3. Material Flow Analysis between sectors.

Topic 4. Material cycle closure.

Topic 5. Problems and examples of good practices by sector.

### 4. Academic activities

**Master classes:** 24 hours

Sessions of 50 minutes each for the entire group. Lecturers explain the theoretical contents and solve representative applied problems. Teaching materials are available in Moodle.

**Problem solving and case studies:** 36 hours of student work, including 12 face-to-face hours.

It requires the preparation of a report, including a presentation, a case study and a conceptual design.

**Study:** 84 hours

Students must study theory and read supplementary readings.

**Assessment tests:** 6 hours.

Students take a final short answer, long answer and/or open-ended questions test.

### 5. Assessment system

The subject is assessed using two evaluation methods: continuous and global.

In the continuous assessment, in a multidisciplinary team, the student produces a work on a course project with the aim of developing a product within the framework of one or more sectors. During the course, three coursework documents are submitted. The following activities are considered for the continuous assessment:

- Report (rated *I*). Report on the state of the art in eco-innovation in the sector(s) in which the product to be developed is included.
- Case study (graded *C*). Analysis of case studies related to the product to be developed.

- Eco-design of the product and final report (graded *M*). Conceptual design of a product or service in the framework of one or more sectors.
- Public presentation of the report (graded *P*). 10-minute video.
- Peer review (rated *R*). Each student reviews the videos of all the submitted papers and, as a team, a list of questions and comments on them is drawn up, which form part of the final assessment

The overall assessment consists of:

- Final short answer, long answer and/or open-ended question test (graded *F*).

The grades obtained by each student in the assessment activities are weighted according to the following formulas:

Formula 1

Final grade of the subject:  $0.2 \times I + 0.3 \times C + 0.35 \times M + 0.1 \times P + 0.05 \times R$

Formula 2

Final grade of the subject: *F*

It is not necessary to achieve minimum grades in the assessment tests for the application of formula 1. The final grade for the subject is calculated as the best grade obtained between those obtained with formulas 1 and 2.

## 6. Sustainable Development Goals

- 9 - Industry, Innovation and Infrastructure
- 12 - Responsible Production and Consumption
- 13 - Climate Action