

Academic Year/course: 2022/23

# 69762 - Socio-economic impact, competitiveness and growth of Circular Economy

## Syllabus Information

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**Academic Year:** 2022/23

**Subject:** 69762 - Socio-economic impact, competitiveness and growth of Circular Economy

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

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

**ECTS:** 6.0

**Year:** 01

**Semester:** Second semester

**Subject Type:** Optional

**Module:**

## 1. General information

### 1.1. Aims of the course

The subject of Socio-economic impact, competitiveness, and growth of Circular Economy is designed to understand the impact that proactivity in the Circular Economy of companies has on them and the territory. These approaches and objectives are aligned with Sustainable Development Goal (SDG) No. 12 (Responsible Consumption and Production) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), such that the acquisition of the learning results of the subject provides training and competence to contribute to a certain extent to its achievement.

### 1.2. Context and importance of this course in the degree

The subject of Socio-economic impact, competitiveness, and growth of Circular Economy is taught in the second semester as an elective subject of the socio-economic module. It is designed for students with Law and Social Sciences degrees. The subject is taught from the University of La Rioja.

### 1.3. Recommendations to take this course

Regular use of the teaching platform and daily study of the concepts presented are recommended, with special emphasis on solving practical activities. Likewise, it is vital to consult the doubts and questions that pose difficulties in the teaching and learning process, for which personalised tutorials should be used.

## 2. Learning goals

### 2.1. Competences

#### BASIC COMPETENCES

CB6 - Have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context.

CB7 - Can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.

CB8 - Have the ability to integrate knowledge and handle complexity, and formulate judgements with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgements.

CB9 - Can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and nonspecialist audiences clearly and unambiguously.

CB10 - Have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.

#### GENERAL COMPETENCES

CG1 - Obtain information in Spanish and English using information technologies efficiently

CG2 - Manage, critically analyse and synthesise information

CG3 - Critically reflect in a systemic way and using causal relationships

CG4 - Formulate, analyse, evaluate and compare in a multidisciplinary way new or alternative solutions for different problems

CG5 - Work in interdisciplinary groups

CG6 - Transmit information efficiently through information and communication technologies

CG7 - Develop management skills (decision making, goal setting, problem definition, design, and evaluation)

CG8 - Properly manage available resources on time

### **SPECIFIC COMPETENCES**

CE6 - Apply the principles of Circular Economy management.

## **2.2. Learning goals**

The student, passing this subject, achieves the following results:

1. Know the effects of the implementation of the Circular Economy in companies and territories.

## **2.3. Importance of learning goals**

Obtaining learning outcomes is essential to understand business activities and their impact on society and businesses.

## **3. Assessment (1st and 2nd call)**

### **3.1. Assessment tasks (description of tasks, marking system and assessment criteria)**

The course will be evaluated using two assessment methods (continuous and global), so that the student will be assigned the grade that is most beneficial to him. For this, the grades obtained in the following tests will be used:

\* Report (rated I). The report will consist of a memory on a topic related to the subject or the critical analysis of a research or popular article. The structure and format of the required report will be communicated to students through moodle. The report will be sent to the teacher electronically.

\* Resolution of problems and cases (P). The resolution of these exercises constitutes an individual or group work of the students. Students must deliver the required reports following the guidelines and the presentation format that will be marked.

\* Final short, long and/or development answer test (scored as F). The test will be held simultaneously at each university under conditions that guarantee the proper identification of students and the impossibility of fraud in them.

The grades obtained by each student in the aforementioned evaluation activities will be weighted according to the following formulas:

Formula 1:

Final mark of the course:  $0.15 \times I + 0.15 \times P + 0.7 \times F$

Formula 2:

Final grade for the course: F

It is not necessary to achieve minimum marks in the evaluation tests for the application of the above formulas. The final grade for the course will be the best grade obtained in each case after applying formula 1 and formula 2.

The number of official exam sessions to which enrollment entitles (2 per enrollment) as well as the consumption of these calls will be adjusted to the Rules of Permanence in Master's Studies and the Rules of Learning Assessment of the University of Zaragoza (<https://ciencias.unizar.es/normativas-asuntos-academicos>). To this last regulation, the general criteria for the design of the tests and the grading system will also be adjusted, and according to the same, the time, place and date on which the review will be held when publishing the qualifications will be made public.

## **4. Methodology, learning tasks, syllabus and resources**

### **4.1. Methodological overview**

Learning in this subject is based on the combination of expository method and flipped classroom.

According to the expository method, the professor develops the presentation of the topics before the students present in the same classroom or other universities through videoconference. In addition, other teaching materials will be included in the

Moodle platform that will allow dedicating some of the classes to interact with students, posing questions that allow relating concepts.

The preparation of theoretical works consists of writing reports on a topic assigned by the teacher following her instructions and with her tutoring.

In case of studies, students carry out case studies or solve practical assumptions, in such a way that the student is required to elaborate an argued solution regarding a question, solve a series of specific questions or carry out a global reflection. The solutions to the problems or assumptions or the critical analysis of the case are evaluated. It involves the presentation of work and the teacher's feedback on them.

All these training activities will be supported by tutorials from teachers via videoconference.

The approach, methodology and evaluation of this guide are prepared to be the same in any teaching scenario. They will be adjusted to the socio-sanitary conditions of each moment, as well as to the indications given by the competent authorities.

## 4.2. Learning tasks

This is a 6 ECTS credits course organised as follows:

- Lectures (1.6 ECTS credits: 16 hours). Whole group sessions of 100 minutes each one will be taken. Lecturers explain the theoretical contents and solve representative applied problems. Learning materials will be available on the virtual platform Moodle (<https://moodle.unizar.es/add/course/view.php?id=42066&lang=en>). Regular attendance is highly recommended.
- Practice sessions (4.4 ECTS credits: 44 hours, including 8 face-to-face hours). The preparation of a report on a topic related to the course or the critical analysis of a research or popular article will be required. The structure and format of the report will be communicated to students through moodle. The report will be sent to the teacher electronically.
- Autonomous work and study (8.4 ECTS credits: 84 hours). Students are expected to study theory.
- Assessment tasks (0.6 ECTS credits: 6 hours). A final written examination including short answer and problem-solving questions will be carried out.

## 4.3. Syllabus

1. Global development scenario. The Circular Economy in the global context
2. Sustainable production and production patterns
3. Value creation of the Circular Economy
4. The Circular Economy as a factor of competitiveness. Strategic Resilience
5. Knowledge management and creativity in organisations
6. Social, environmental, and business repercussions of the circular strategy

## 4.4. Course planning and calendar

Information on schedules, calendar, and exams is published on the Master's page on the website of the Faculty of Sciences of the University of Zaragoza (<https://ciencias.unizar.es/master-en-economia-circular>). Presentation of reports will be carried out according to the calendar that will be announced in due course through the Moodle page of the subject.

## 4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=69762&Identificador=C74192>