

69770 - Supplementary Course in Economics

Syllabus Information

Academic year: 2023/24

Subject: 69770 - Supplementary Course in Economics

Faculty / School: 100 - Facultad de Ciencias

Degree: 627 - Master's Degree in Circular Economy

ECTS: 3.0

Year: 01

Semester: First semester

Subject type: ENG/Complementos de Formación

Module:

1. General information

The subject *Complementary Economics* allows students to acquire the necessary knowledge and skills in economics to adequately follow the compulsory and elective subjects of the Master's Degree in Circular Economy. This subject is aimed primarily at students who hold a science and engineering degree. The subject is taught at the Public University of Navarra.

It is aligned with Sustainable Development Goal (SDG) No. 12 (Responsible Production and Consumption) of the United Nations 2030 Agenda(<https://www.un.org/sustainabledevelopment/es/>), so that the acquisition of its learning results provides training and competence to contribute to some extent to the achievement of the Goal.

2. Learning results

- To be able to analyse the impact of the incorporation of innovation and new technologies in the strategy and relate it to the ability to compete globally.
- To be able to identify the function of each of the company's areas of activity: procurement, production and marketing, investment and financing, and human resources and administration, as well as their interrelationships.
- To be able to analyse, investigate and apply their knowledge to a specific organization in their environment, identifying advantages and disadvantages, detecting problems and proposing improvements.
- To be able to reflect on the importance, both for society and business, of research and technological innovation in relation to competitiveness and growth
- To be able to differentiate a company's revenues and overhead costs, research and technological innovation in relation to competitiveness and growth.
- To be able to differentiate the general revenues and costs of a company and identify its profit or loss generated throughout the fiscal year, applying mathematical reasoning for the interpretation of results.
- To be able to interpret the correspondence between investments and their financing.
- To be able to know and list the statistical (payback period) and dynamic (net present value criterion) methods for selecting and valuing investments.
- To be able to explain and assess the possibilities of financing companies, differentiating between external and internal financing, short and long term, as well as the cost of each one and the implications for the company's performance, analysing, evaluating and expressing the options that best suit a specific case of financial need.

3. Syllabus

Block 1. Economic analysis.

Microeconomic analysis

1.1- Economic agents, decisions and resources.

1.2- Demand, supply and markets. Factor markets and product markets.

1.3- Functioning of markets, types of competition, market failures, externalities and public goods.

1.4- Regulations and taxes.

2. Macroeconomic analysis.

2.1- Macromagnitudes

2.2- Economic fluctuations and macroeconomic policy.

2.3- Economic growth and sustainable development.

Block 2. The company.

1. The company and value creation.

1.1- Organization and functional areas of the company.

1.2- Decision-making and corporate governance.

2. Information in decision making.

2.1- Revenue and cost structure of the company.

2.2- Valuation, flows and *stocks*.

3. Financial management.

3.1- Investment and its financing

3.2- Investment decisions in an environment of certainty.

3.3- Investment decisions in a risky environment.

4. Academic activities

Master class: 8 hours

Group sessions of 50 minutes each. Teachers explain the theoretical contents and solve representative applied problems. The learning materials will be available on the Moodle virtual platform. Regular class attendance is strongly recommended.

Problem solving and case studies: 22 hours, including 4 face-to-face hours

Students must solve exercises, problems and cases.

Study and personal work: 42 hours

Students must study theory and prepare for the written test.

Assessment tests: 3 hours.

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

5. Assessment system

- Short answer, long answer and/or open-ended questions written test: 100 %. The test will be held simultaneously at each university under conditions that guarantee the proper identification of the students and the impossibility of fraud.

The enrolment in the subject entitles the student to 2 official exam calls per enrolment. The performance of the exams and the number of official calls will be in accordance with the *Rules of Permanence in Master Studies* and the *Rules of Learning Assessment Standards* of the University of Zaragoza (<https://ciencias.unizar.es/normativas-asuntos-academicos>). The general criteria for the design of the tests and the grading system shall also be adjusted to the latter regulation, and the time, place and date of the review shall be made public when the grades are published.