

## COURSE: INNOVATION AND ENTREPRENEURSHIP SEMINARS

**SUBJECT** : Management and innovation

**MODULE**: Applications and technology module

**PROGRAM**: Master's degree in Materials Science and Engineering

PAGE 1 OF 3

### GENERAL CHARACTERISTICS\*

**Type:** Basic formation, Compulsory, Optional

Master Thesis, External practices

**Duration:** Semester

**Semester / s:** 1

**Number of ECTS credits:** 4

**Languages:** Spanish, Catalan, English

### DESCRIPTION

#### BRIEF DESCRIPTION AND JUSTIFICATION

An alternative to work for others is the creation of one's own firm. Students who attend this course will become familiar with the process of structuring a business from their own business idea. On the one hand, the cases will be discussed to show situations in the field of entrepreneurship and on the other, students will develop their business plan as a group throughout the course.

#### COMPETENCES

- E17 - To know the different stages that integrate an entrepreneurial project and the tools to assess the needs of the market, for the allocation of the necessary resources in each phase, the definition of the associated costs and the identification of risks
- E18 – Ability to identify and evaluate business opportunities in the field of materials.CG2  
- The ability to perform a responsible practice of the profession.
- T2 - Ability to lead and manage work teams.
- CB9 - To communicate conclusions and the reasons that sustain them, to specialized and non-specialized audiences in a clear and unambiguous way

#### PREREQUISITES\*

The corresponding to access master studies

#### CONTENTS

1. The generation of a business idea.
2. Its concretion: the business plan.
3. The start-up of a firm.
4. Economic control of the new adventure.
5. Funding of the development.

### METHODOLOGY

\* These features should not be modified without the approval of the bodies responsible for academic higher-level structures (field, module and / or system).

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PAGE 2 OF 3

**LEARNING ACTIVITIES \***

Learning Activities	ECTS credits	Competences
Lectures	0,70	E17, E18, CB9, T2
Seminars	0,07	E17, E18, CB9, T2
Case and Problem-Solving Sessions	0,07	E17, E18, CB9, T2
Personal study	2	E17, E18, CB9, T2
Presentations	0,08	E17, E18, CB9, T2
Assessment Tasks (Exams, Continuous Assessment...)	0,08	E17, E18, CB9, T2
<b>TOTAL</b>	<b>3</b>	

**TEACHING METHODOLOGY**

The methodology is based on the case method. A case is given to the students one week before the date of the discussion. It is expected that 2 hours per case are needed for an in depth reading and an adequate preparation.

Additionally, students develop a Business Plan according to the script given in the textbook.

**ASSESSMENT**

**ASSESSMENT METHODS \***

Assessment methods	Weight	Competences
Final exam	25%	E17, E18
Reports and Presentations	30%	E17, E18, CB9, T2
Follow-up activities	30%	E17, E18
Participation	15%	CB9

**LEARNING OUTCOMES**

- The student must know the different stages that make up an entrepreneurial project and the tools to assess the needs of the market. (E17)
- The student must demonstrate the ability to identify and evaluate business opportunities in the field of materials. (E18, CB9)
- The student must demonstrate his ability to identify each of the phases of an entrepreneurial project, define the associated costs and identify risks. (E17, CB9, T2)

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PAGE 3 OF 3

**QUALIFICATION**

The evaluation of the course will consider all aspects listed in the evaluation table with its corresponding weight. The final examination has a weight of 25% of the final grade. The reports and Presentations include classroom presentations and specific monographs that students prepare (20%). Follow-up activities include midterm exams or other deliverables (15%). Participation (5%) includes attitude, attendance and initiative shown by the student in the subject

**ASSESSMENT OF THE COMPETENCES** (Define calculation expressions for each competency based assessment activities related.)

The grades of the final exam, reports and presentations and follow-up activities will be used as an indicator for the evaluation of E17 and E18 competences.

The grades of participation and reports and presentations will be used for the assessment of CB9 competence.

The grade of reports and presentations will be used for the evaluation of the competence T2.

**BIBLIOGRAPHY** (Recommended and accessible to students.)

- Mateo R. y R. Sagarra (2004) Creación de Empresas, Teoría y Práctica. Madrid: Mc Graw-Hill.
- Bibliography: articles from different sources

**DOCUMENT HISTORY**

**PREVIOUS CHANGES**

September 14, 2016, Antoni Olivè i Tomàs

October 1, 2014 Antoni Olivè i Tomàs

**CURRENT REVISION**

March 6, 2019, Antoni Olivè i Tomàs