Course guide
270515 - FPEI - Financing for Innovative Business Projects

Last modified: 03/02/2025

Unit in charge: Barcelona School of Informatics
Teaching unit: 732 - OE - Department of Management.

Degree: MASTER'S DEGREE IN INFORMATICS ENGINEERING (Syllabus 2012). (Optional subject).

Academic year: 2024 **ECTS Credits:** 1.5 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: FERNANDO BARRABES NAVAL

Others:

PRIOR SKILLS

Having some previous experience in business administration or having previously completed subjects such as VPE (Viability of Business Projects) while studying Computer Engineering is desirable.

Reading a certain level in English is also desirable.

REQUIREMENTS

- Pre-Corequisite VPEI-MEI

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CDG3. Capability to manage research, development and innovation projects in companies and technology centers, guaranteeing the safety of people and assets, the final quality of products and their homologation.

Generical:
CG10. Capacity to apply economics, human resources and projects management principles, as well as legislation, regulation and standardization of Informatics.
CG8. Capability to apply the acquired knowledge and to solve problems in new or unfamiliar environments inside broad and multidisciplinary contexts, being able to integrate this knowledge.

Transversal:
CTR1. ENTREPRENEURSHIP AND INNOVATION: Capacity for knowing and understanding a business organization and the science that rules its activity, capability to understand the labour rules and the relationships between planning, industrial and commercial strategies, quality and profit. Capacity for developping creativity, entrepreneurship and innovation trend.

TEACHING METHODOLOGY

During the lectures, classes will be complemented, depending on the subject, with previous examples of development that enable students to gain practical ideas for the work to be done in the project sessions.

In some cases, theory lectures will include short lectures of entrepreneurs or managers to provide real guidance on how he / she solved problems in specific topics such as the assessment of venture capital bids.

Regarding project sessions, they will focus on enabling students to build a whole financial plan including a solution for the financial structure of the company and its defense in front of possible investors.

LEARNING OBJECTIVES OF THE SUBJECT

1.Training the students to build a P&L forecast and a forecasted treasury plan for an emerging company
2.Understanting and being able to apply the different instruments to finance the company, both debt instruments or private equity and venture capital sources

STUDY LOAD

Type	Hours	Percentage
Hours large group	9,0	24.00
Hours medium group	4,5	12.00
Self study	24,0	64.00

Total learning time: 37.5 h

CONTENTS

Revising the initial balance sheet and building the forecasted balance sheet for year one

Treasury plan, Identifying long and short term financial needs

Conventional long and short term financial instruments

Private equity: founders, fools, friends & family, venture capital. Their limitations. Cautions to be taken and how they work.

Presenting the plan to possible simulated investors

ACTIVITIES

Revising the initial balance sheet and building the forecasted balance sheet for year 1

Specific objectives:
2

Related competencies :
CG8. Capability to apply the acquired knowledge and to solve problems in new or unfamiliar environments inside broad and multidisciplinary contexts, being able to integrate this knowledge.
CG10. Capacity to apply economics, human resources and projects management principles, as well as legislation, regulation and standardization of Informatics.

Full-or-part-time: 10h
Self study: 6h
Theory classes: 1h
Laboratory classes: 3h

Definition and theory of the treasury plan. Identifying financial short and long term needs

Specific objectives:
1, 2

Related competencies :
CDG3. Capability to manage research, development and innovation projects in companies and technology centers, guaranteeing the safety of people and assets, the final quality of products and their homologation.
CG8. Capability to apply the acquired knowledge and to solve problems in new or unfamiliar environments inside broad and multidisciplinary contexts, being able to integrate this knowledge.
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CTR1. ENTREPRENEURSHIP AND INNOVATION: Capacity for knowing and understanding a business organization and the science that rules its activity, capability to understand the labour rules and the relationships between planning, industrial and commercial strategies, quality and profit. Capacity for developping creativity, entrepreneurship and innovation trend.

Full-or-part-time: 10h
Self study: 6h
Theory classes: 1h
Laboratory classes: 3h

Conventional financial instruments, short and long term. Private equity: founders, friends, fools & family, venture capital, their limits, cautions and operational suggestions

Specific objectives:
1, 2

Related competencies :
CDG3. Capability to manage research, development and innovation projects in companies and technology centers, guaranteeing the safety of people and assets, the final quality of products and their homologation.
CG8. Capability to apply the acquired knowledge and to solve problems in new or unfamiliar environments inside broad and multidisciplinary contexts, being able to integrate this knowledge.
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Full-or-part-time: 10h 30m
Self study: 6h 30m
Theory classes: 1h
Laboratory classes: 3h

Presenting the final plan to a jury formed by investors

Specific objectives:
1, 2

Related competencies :
CDG3. Capability to manage research, development and innovation projects in companies and technology centers, guaranteeing the safety of people and assets, the final quality of products and their homologation.
CG8. Capability to apply the acquired knowledge and to solve problems in new or unfamiliar environments inside broad and multidisciplinary contexts, being able to integrate this knowledge.
CG10. Capacity to apply economics, human resources and projects management principles, as well as legislation, regulation and standardization of Informatics.
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Full-or-part-time: 7h
Self study: 5h 30m
Guided activities: 1h 30m

GRADING SYSTEM

The evaluation is based on student presentations and the defense of a financial plan and its detailed structure of financing to a jury composed of members of the academic faculty and - optionally - for other members of the university or other high level professionals that will take the role of professional investors.

Throughout the course there are two evaluative milestones:
- The presentation of the business plan with its proposal for investors
- The analysis of the financial plan.
The presentation simulates a professional environment. Consequently, the following aspects will also be evaluated: formal dress, well-structured communication, etc.

To be able to publicly defend the financial plan, students must have attended 70% of classes and the teams must have delivered on time all planned activities. The plan is the result of teamwork, which will be reflected in the rating given to the group as a whole.

BIBLIOGRAPHY

Basic:
- Amat Salas, O. Contabilidad y finanzas para no financieros. 2a ed. Deusto, 2008. ISBN 978-84-234-2671-3.
- Hisrich, R.D.; Peters, M.P.; Shepherd, D.A. Entrepreneurship. 12th ed. New York: McGraw-Hill, 2024. ISBN 9781266264139.
- Seco Benedicto, M. Capital riesgo y financiación de Pymes. Fundación EOI, 2008. ISBN 9788488723901.