Teaching guide

IDENTIFICATION DETAILS

Degree:	Diploma in entrepreneurship and Innovation Projects Management (UFV-Awarded title associated to Biomedicine)
Field of Knowledge:	Science
Faculty/School:	Experimental Science
Course:	INNOVATION PROJECT MANAGEMENT (II)
Type:	Compulsory Internal
ECTS credits:	4
Year:	4
Code:	21216
Teaching period:	Seventh semester
Teaching type:	Classroom-based
Language:	English
Total number of student study hours:	100

Teaching staff	E-mail
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SUBJECT DESCRIPTION

Building on the lessons learned in “Innovative Project Management I (IPM)” we will dig further in the key concepts that enables the progress of key projects, in large and small biomedical corporations.

Being in the middle of a paradigm change, driven by the Digital revolution, that is being further accelerated within the current circumstances, the enhancement of creativity and innovation skills is proving crucial for project managers (PMs) to thrive. The objective of the curse is to secure that students acquire a solid base of concepts, methodologies and approaches in the areas of negotiation, business model innovation, and innovative project development and deployment.

Additionally, we will cover core activities around design thinking an innovative project articulation such as ideation, prototyping, testing, communication, governance and buy-in of company's board / senior leadership teams.

The approach of the subject will have a profound practical component, where students will get in contact with key methodologies and techniques within a context that will mimic real market situations.

Different materials will be used including printed and digital documents, video content, web content, apps, etc.

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GOAL

The main aim of the subject is to provide the students with knowledge to define, develop and deploy innovative sound projects and initiatives within life sciences related organizations.

The specific aims of the subject are:

Acquire knowledge about the different aspects that a Project Manager (PM) should consider when developing an innovative project or activity.

Gain perspective on the key skills that a PM should have to access and thrive in the role. Put in practice a set of personal and team-based project development and management skills and tools, for further use during student's future scientific, entrepreneurial or corporate career.

PRIOR KNOWLEDGE

•Notions of project management are required for this course. (Refer to IPM I).

•Fluency in English, level B2 or equivalent.

COURSE SYLLABUS

Section 1: Innovation though projects

1.1 Systemic vs incremental innovation
1.2 Structured well managed innovation
1.3 Key elements of project management: CANVAS

Section 2: Individual and Organizational projects
2.1 Project leadership
2.2 Negotiation Techniques
2.3 Prioritizing Projects: managing a portfolio
2.4 Project driven structures

Section 3: Life science projects: Management and valuation
3.1 Expanding porfolio: technology transfer formulas
3.2 Valuation of innovative projects: NPV

EDUCATION ACTIVITIES

The course methodology will follow a practical & interactive approach between students and professor, based upon:
-Lectures: to provide and explain theoretical concepts, and real-life project examples.
TED and YouTube talks done by expert or business leaders to discuss in class about the ideas shared.
-Workshops and gamification: to learn in-practice project management-related issues and core competencies (e.g., negotiation workshop, interview simulation, etc.).
-Individual and group exercises: students are required to answer and submit for evaluation exercises, and also they could be required to present them in class.
Real cases studies: we will read and study real business cases published by Harvard University as a way to learn how to manage situations, evaluate problems and find solutions.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
40 hours	60 hours

SKILLS

Use state of the art methods & tools to identify, define and manage innovative initiatives.

Develop an action oriented creative mindset.

Acquire a “big picture” vision around creativity and innovation as business driver.

Develop leadership skills to drive innovation projects to business success

LEARNING RESULTS

PM skills enhancement that students can use for the rest of their careers, at any kind of R&D based related business.

Develop a technical approach to the innovation process as an element to run projects successfully from a business point of view. Awareness of the different tools and methodologies.

Understand the importance of negotiation skills at any level or stage when designing an innovative project.

Further develop effective governance, communication and coordination skills in multifunctional teams.

To learn how to leader teams in a collaborative way as a key skill to execute projects successfully

LEARNING APPRAISAL SYSTEM

ORDINARY CALL
1.- Participation and interaction (20%). Individual evaluation based upon student’s participation, team working and individual exercises.
2.- Individual project to be delivered at the end of the quarter. 30%
3.- Parcial exams at the end of each unit (50%). Minimum grade to pass this task is 50/100
If some of them are failed, they will be repeated in a final exam (only the units failed). Final exam is not mandatory for students with more than 50% in partial ones. Final exam could be used to increase the average (voluntary).
The average for the final mark requires a minimum of 50% in the final exam (students with some units failed)

The individual project is mandatory, and students will not pass the subject without it and with a mark below 40/100.

Students failing the subject but with a mark above 40/100 in the project, will keep the project mark to the extraordinary call.

Plagiarism behaviors, as well as the use of illegitimate means in the evaluation test, will be sanctioned in accordance with those established in the University Evaluation Regulation and Coexistence Regulations..”

EXTRAORDINARY CALL
Second call will require:

1. Global exam with all the contents.
a. Students with the project passed: Mark required in the exam 50/100
b. Students with the project failed: Mark required in the exam 75/100

ALTERNATIVE ASSESSMENT SYSTEM –

Students in two or successive enrollments must contact the teacher to request to benefit from this system. .
This system targets students enrolled twice or more in the same subject that can't attend to class.

1- Individual project to be delivered at the end of the quarter. 40%
2- Parcial exams at the end of each unit (60%). Minimum grade to pass this task is 50/100
If some of them are failed, they will be repeated in a final exam (only the units failed). Final exam is not mandatory for students with more than 50% in partial ones. Final exam could be used to increase the average (voluntary).
The average for the final mark requires a minimum of 50% in the final exam (students with some units failed)

The individual project is mandatory, and students will not pass the subject without it and with a mark below 40/100.
Class attendance is not mandatory

Students failing the subject but with a mark above 40/100 in the project, will keep the project mark to the extraordinary call.

Plagiarism behaviors, as well as the use of illegitimate means in the evaluation test, will be sanctioned in accordance with those established in the University Evaluation Regulation and Coexistence Regulations..”

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BIBLIOGRAPHY AND OTHER RESOURCES

Basic

Antonio Nieto-Rodriguz Project Management Handbook Harvard Business Review

Javier Fernandez Aguado Liderar en un mundo imperfecto LID

Roger Fisher & William Ury Getting to Yes rh Business books

Pilar de la Huerta Martinez Emprender en biotecnologia: del laboratorio al mercado de capitales LID

Additional

Galo Peralta Fernandez Experiencias en Gestión de la Innovación en Salud Thomson Reuters Aranzadi