



Universitat de Lleida

DEGREE CURRICULUM
**MANAGEMENT OF THE
INNOVATION AND
TECHNOLOGY**

Coordination: Natalia Aldaz Ibáñez

Academic year 2015-16

Subject's general information

Subject name	Management of the Innovation and Technology
Code	103051
Semester	1st
Typology	Mandatory
ECTS credits	6
Groups	1
Theoretical credits	6
Practical credits	0
Coordination	Natalia Aldaz Ibáñez
Office and hour of attention	To be arranged with the corresponding professor by e-mail
Department	Administració d'Empreses i Gestió Econòmica dels Recursos Naturals
Teaching load distribution between lectures and independent student work	Total load: 150h - Lectures = 45h - Independent student work = 105h
Modality	Presencial
Important information on data processing	Consult this link for more information.
Language	Catalan 50% English 50%
Degree	Master in Computer Engineering
Distribution of credits	Natalia Aldaz Ibáñez Guillem Boira Jordi Torrecillas Garcia
Office and hour of attention	To be arranged with the corresponding professor by e-mail
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Natalia Aldaz Ibáñez
Guillem Boira
Jordi Torrecillas Garcia

Learning objectives

See competences

Competences

Strategic competences

- **UdL3.** Mastering ICT's.

Cross-disciplinary competences

- **EPS4.** Capacity to conceive, design and implement projects and/or contribute to new solutions, using engineering tools.

Specific competences

- **MII1.** Capacity for the integration of technologies, applications and computer engineering systems, in general and in wider and multidisciplinary contexts.
- **MII3.** Capacity for the direction of research, development and innovation projects, in companies and technological centres, with guarantee of security for people and resources, the final quality of the products and his certification.

Subject contents

Subject oriented and innovation management in IT projects.

0. Basics

1. PMI: Project Management Institute

2. Phases and life cycle of a project

3. Resource Management

4. Cost Models Project

5. Integration of Technologies

6. Emerging Technologies: Identification and assessment

7. Transfer of investigació to the company:

7.1 Calls for European research project: requirements, monitoring

7.2 Calls for national research project: requirements, monitoring

8. open technologies and standards

9. technologies in public administration.

Methodology

Classes are divided into 3 parts: theory, practice and presentation of real cases.

The theory is a set of preconceptions. The practice is done in group consists of one of the activities.

During the course case studies will be introduced project management and innovation of different companies, especially the business sector Lleida.

Development plan

- Project management
- Cost Models for projects.
- Innovation
- Reseach transfer to industry

Evaluation

- 50% Midterm Exam Resource Management
- 20% Submission of project research, development and innovation
- 30% work preparing proposals for research, development and innovation

Bibliography

- Frederick Brooks. *The Mythical Man-Month*. Addison-Wesley, 1975.
- Tecnologia i innovació a l'empresa. Direcció i Gestió. Pere Escorsa, Jaume Valls Edicions UPC
- Gestión e innovación. Un enfoque estratégico. Julián Pavón, Antonio Hidalgo Ed. Pirámide
- Manual de dirección estratégica de la tecnología. La producción como ventaja competitiva. Esteban Fernández y Zulema Fernández. Ed. Ariel Economía
- Gestión de la tecnología. La empresa ante la mutación tecnologica. Smaïl Aït-El_Hadj Ediciones Gestión 2000