

30174 - Management of Innovation and Technology Policy

Información del Plan Docente

Academic Year	2017/18
Faculty / School	179 - Centro Universitario de la Defensa - Zaragoza
Degree	563 - Bachelor's Degree in Industrial Organisational Engineering
ECTS	4.5
Year	3
Semester	Second semester
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The learning process is based on interactive methodologies and classroom-based classes. Lectures and seminars comprehend the basic knowledge of the course.

In small groups, the students co-operate with their fellow students to accomplish the assessments (essays, case studies, project reports, etc.) proposed by the teacher. They provide an adequate balance between theory and practice to enhance the learning competences.

30174 - Management of Innovation and Technology Policy

A specific assessment is the research about a technology with interest for security and defence sector -or a dual-use technology- that they have chosen and confirmed with the teacher not only the viability, but also the size group. Guidance about the overall assessment process will be provided in Moodle.

The independent study is attended by teacher under request.

At the end of the semester, an exam will be required in order to check if the students have gained an understanding of all aspects of the relevant core modules.

5.2.Learning tasks

- Lectures
- Seminars
- Teamwork in essays, case studies, project reports and technology analysis
- Independent study
- Written exam

5.3.Syllabus

1. Introduction to innovation, firm's innovation strategy and management teams for innovation
2. Technology audit, Foresight and Technological Prospective
3. Appropriating Innovation - Managing Industrial property
4. Research and Development Project Management
5. Technology transfer and cooperation
6. Innovation systems

5.4.Course planning and calendar

Moodle is an e-learning facility that allows for the uploading of documents and notices about the planning and scheduling. The activities, lectures and cases will be announced in advance during class.

The official web site announces the written exam dates.

5.5.Bibliography and recommended resources

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- Tidd, Joe y Bessant, John. Managing innovation. Integrating Technological, Market and Organizational Change. Wiley, 2009
- Hill, Charles W. y Jones, Gareth R. Administración estratégica. Un enfoque integrado. México: McGrawHill, 2004
- Harris, Tom. Collaborative Research and Development Projects. A practical guide. Springer, 2007
- Gestión económica de la I+D empresarial y de la innovación. COTEC, 2011 [Disponible en la página web de la fundación COTEC, previo registro]
- PMBOK ®, Project Management Institute. 2015.
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- F. Cauzic, H. Colas, N. Leridon, S. Lourimi, and E. Waelbroeck-Rocha. A comprehensive analysis of emerging

30174 - Management of Innovation and Technology Policy

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 - Riola Rodríguez, J. M. ¿La política de I+D en Defensa: Metas y retos tecnológicos? En: Las Tecnologías de Doble Uso: La Investigación y el desarrollo al Servicio de la Sociedad Civil y Militar. I Jornadas, 2011, pp. 13-22.
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