

Academic Year: (2022 / 2023)

Review date: 10-05-2022

Department assigned to the subject: Business Administration Department

Coordinating teacher: PALOMERAS VILCHES, NEUS

Type: Electives ECTS Credits : 5.0

Year : 1 Semester : 2

OBJECTIVES

This course analyzes the determinants and consequences of technological innovation in firms, with a special emphasis on its interrelation with strategic and organizational aspects. We will analyze these issues through economic and management lenses.

In this course, the students work on the following skills:

- Theoretical skills: analysis of the theoretical body behind the main research questions of the topic
- Analytical skills: interpretation of empirical evidence, analysis of quantitative data
- Communication skills: writing, discussion and oral presentation

DESCRIPTION OF CONTENTS: PROGRAMME

1. Technological knowledge, technical change and diffusion of innovation
2. Innovation and market structure
3. Organizational structure and incentives to innovate
4. Absorptive capacity
5. Protecting innovations through patents
6. The exploitation of innovation. The Licensing of innovation
7. Localization of knowledge and technology spillovers.
8. Diffusion of knowledge through mobility
9. Human capital and innovation
10. Financing innovation

LEARNING ACTIVITIES AND METHODOLOGY

- Lectures
- Paper reading, analysis and class discussion
- Paper presentations
- Data analysis

ASSESSMENT SYSTEM

Final exam (40%)

Presentations & assignments (60%)

% end-of-term-examination:	40
% of continuous assessment (assignments, laboratory, practicals...):	60

BASIC BIBLIOGRAPHY

- Bronwyn H. Hall and Nathan Rosenberg (Ed.) Handbook of the Economics of Innovation, Vol.1 & Vol.2 , Elsevier , 2010