

**1. General information****Course:** INNOVATION ECONOMICS**Type:** ELECTIVE**Degree:** 316 - UNDERGRADUATE DEGREE IN ECONOMICS**Center:** 5 - FACULTY OF ECONOMICS AND BUSINESS**Year:** 4**Main language:** Spanish**Use of additional languages:****Web site:****Code:** 53346**ECTS credits:** 6**Academic year:** 2019-20**Group(s):** 10**Duration:** First semester**Second language:** English**English Friendly:** Y**Bilingual:** N**Lecturer:** ANGELA TRIGUERO CANO - Group(s): 10

Building/Office	Department	Phone number	Email	Office hours
Despacho 2.03	ECO .ESP. E INT.,ECONOMET. E H ^a E INS.EC		angela.triguero@uclm.es	El horario de tutorías se anunciará en el espacio virtual de la asignatura

2. Pre-Requisites

There are no prerequisites to take this subject. Despite this, it is advisable that the student has passed subjects as Foundations of Microeconomics, Applied Economics or Spanish Economy. Moreover, the student must have the basic skills in handling computer software to solve the practical exercises (Word, Excel or similar). Knowledge of a foreign language, preferably English, can also allow read supplementary literature.

3. Justification in the curriculum, relation to other subjects and to the profession

The Economics of Innovation refers to the analysis of markets and the behaviour of firms operating in these markets taking into account the role of innovation. Traditionally, this course has been taught under the name of "Industrial Economics" (Industrial Organization). Given the current role of innovation to understand the competition level in the markets, this area is called "Economics of Innovation" in the current curriculum. This subject includes contents of Industrial Organization but is more in line with current economic reality considering the key role of innovation and technological change. The name "Economics of Innovation" is justified because the nature of competition in the markets is broader than simple competition through prices and focuses on innovation (in new products, processes, marketing and organizational ways...). The direct consequence is that markets are experiencing a continuous change since the conduct of companies constantly modifies their conduct taken into account technological change. This dynamic conception of competition deviates from the neoclassical tradition, but integrates many of the problems in the models of imperfect competition of traditional microeconomic analysis. From a microeconomic view, the course addresses key issues for understanding the level of competition in the markets and the strategic behaviour of firms, the conditions under which there is full competition and identification of anti-competitive practices and abuse of dominant position. The course also aims to provide students with tools that will be useful in their future professional activity, especially in developing market research or making strategic decisions in the field of business.

4. Degree competences achieved in this course**Course competences**

Code	Description
E02	Understand the role of institutions and economic agents in economic and social activities.
E04	Analytical skills to identify and anticipate relevant economic and legal issues and the different alternative solutions.
E10	Ability to design and implement policies and strategies promoting competition and market restructuring.
G01	Possession of the skills needed for continuous, self-led, independent learning, which will allow students to develop the learning abilities needed to undertake further study with a high degree of independence.
G03	Develop oral and written communication skills in order to prepare reports, research projects and business projects and defend them before any commission or group of professionals (specialised or non-specialised) in more than one language, by collecting relevant evidence and interpreting it appropriately so as to reach conclusions.
G04	Ability for the use and development of information and communication technology in the development of professional activity.
G05	Capacity for teamwork, to lead, direct, plan and supervise multidisciplinary and multicultural teams in both national and international environments.

5. Objectives or Learning Outcomes**Course learning outcomes****Description**

Know the performance and regulation of product and factor markets at national and international level and the drivers for the generation of wealth and a suitable distribution of income.

Train the student to listen to and defend arguments orally or in writing

Train the student to work out problems in creative and innovative ways.

Additional outcomes

Diagnosis and assessment skills to conduct reports about the situation of a market.

Identify relevant sources of information and its content, as well as the ability to derive the important information from the data, otherwise completely unknown to non-professionals.

Ability to design and implement policies and strategies promoting competition and market restructuring.

6. Units / Contents

Unit 1: Theories of Industrial Organization
 Unit 2: Innovation and technological change
 Unit 3: Entry barriers and innovation
 Unit 4: Market Structure and innovation
 Unit 5: Product differentiation, diversification and innovation
 Unit 6: Vertical integration and Transaction costs
 Unit 7: Regulation, Innovation and Competition Defense Policy
 Unit 8: Globalization, Innovation and Competition

ADDITIONAL COMMENTS, REMARKS

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	R	Description
Class Attendance (theory) [ON-SITE]	Lectures	E02 E04 E10 G01	1.33	33.25	Y	N	N	
Class Attendance (practical) [ON-SITE]	Practical or hands-on activities	E02 E04 E10 G01	0.35	8.75	Y	N	N	
Other on-site activities [ON-SITE]	Cooperative / Collaborative Learning	E02 E04 E10 G01 G05	0.32	8	Y	N	Y	
Study and Exam Preparation [OFF-SITE]	Self-study	E02 E04 E10 G01	2	50	Y	N	Y	
Other off-site activity [OFF-SITE]	Case Studies	E02 E04 E10 G01 G03 G04 G05	0.5	12.5	Y	N	Y	
Other off-site activity [OFF-SITE]	Problem solving and exercises	E02 E04 E10 G01 G03	0.8	20	Y	N	Y	
Other off-site activity [OFF-SITE]	Reading and Analysis of Reviews and Articles	E02 E04 E10 G01 G03 G04 G05	0.6	15	Y	N	Y	
Final test [ON-SITE]	Assessment tests	E02 E04 E10 G01	0.1	2.5	Y	N	Y	
Total:			6	150				
Total credits of in-class work: 2.1			Total class time hours: 52.5					
Total credits of out of class work: 3.9			Total hours of out of class work: 97.5					

As: Assessable training activity

Com: Training activity of compulsory overcoming

R: Rescheduling training activity

8. Evaluation criteria and Grading System

Evaluation System	Grading System		Description
	Face-to-Face	Self-Study Student	
Assessment of problem solving and/or case studies	40.00%	0.00%	The quantity and quality of the practices will be valued. They will be delivered through the virtual platform
Final test	50.00%	0.00%	Final exam with different questions about concepts, theoretical topics and resolution of practical exercises.
Assessment of active participation	10.00%	0.00%	Evaluation of the quantity and quality of participation in the classroom classes
Total:	100.00%	0.00%	

Evaluation criteria for the final exam:

The mark of the exam at the end of the term will represent 50 % of the total final mark. The individual assignments will also consist of autonomus homework (practical exercises and summary of selected readings)) to carry out and send via Campus Virtual within the set deadlines. In addition, participation in classroom practical activities (practical exercises through working groups of 2-3 persons in the classroom and debates) will be also considered and assessed. The student who does not carry out these activities can opt for a final exam that will deal with the material supplied by the teacher in class and/or on the Moodle platform. Attendance at seminars or other activities programmed in the Faculty will also be valued.

Specifications for the resit/retake exam:

Marks of practical exercises and active participation would be taken into account in this exam and the students can improve these marks before the celebration of this final exam.

Specifications for the second resit / retake exam:

Due to special characteristics of this exam, the final mark will represent 100 % of the total final mark unless the student expressed in advance its desire to participate in the system of continuous assessment

9. Assignments, course calendar and important dates

Not related to the syllabus/contents

Hours	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	33.25
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	8.75
Other on-site activities [PRESENCIAL][Cooperative / Collaborative Learning]	8
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
Other off-site activity [AUTÓNOMA][Case Studies]	12.5
Other off-site activity [AUTÓNOMA][Problem solving and exercises]	20
Other off-site activity [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	15

Final test [PRESENCIAL][Assessment tests]	2.5
Global activity	
Activities	hours
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
Other off-site activity [AUTÓNOMA][Problem solving and exercises]	20
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	8.75
Other off-site activity [AUTÓNOMA][Case Studies]	12.5
Other on-site activities [PRESENCIAL][Cooperative / Collaborative Learning]	8
Other off-site activity [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	15
Final test [PRESENCIAL][Assessment tests]	2.5
Class Attendance (theory) [PRESENCIAL][Lectures]	33.25
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Heijs, J., & Buesa, M.	Manual de economía de innovación. Tomo I: Teoría del cambio tecnológico y sistemas nacionales de innovación	Instituto de Análisis Industrial y Financiero, Universidad Complutense	Madrid		2016	
Dosi, G.	Sources, procedures, and microeconomic effects of innovation				1988	
Callejón, M.	Economía Industrial	Civitas			2001	
Clarke, R.	Industrial Economics	Wiley-Blackwell			1991	
Castro, J. M.	La innovación comienza aquí: Mapa de las macro tendencias que señalan el futuro de su empresa.	Libros de Cabecera			2016	
Molero J. M.	Innovación tecnológica y competitividad en Europa	Síntesis			2001	
European Commision	Innovation Union A pocket guide on a Europe 2020 initiative	Publications Office of the European Union,			2013	
VV.AA	España en la era de la innovación	FUNCAS			2011	