

Sectoral Economics

Code: 102302
ECTS Credits: 6

Degree	Type	Year	Semester
2501572 Business Administration and Management	OT	4	2
2501573 Economics	OB	2	2

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: Yes
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: Yes

Teachers

Angel Hermosilla Pérez
Anna Matas Prat
Javier Asensio Ruiz De Alda

Prerequisites

Students are recommended to have taken courses in Introduction to Economics and Spanish Economy.

Objectives and Contextualisation

This is a third-year (second semester) subject, compulsory for students in the grade of Economics (ECO), optional for those in Business Administration (ADE).

The topics cover the different sectors of economic activity and the drivers of their evolution, taking as main object of analysis the productive structure of the Spanish economy and putting it into the context of international trends that affect the behaviour of firms and industries. The subject thus provides students with applied tools to study competitiveness in a microeconomic sense and the main regulatory policies that have an influence on certain sectors.

The aims of the subject can be summarised as follows:

1. To apply theoretical knowledge of microeconomics and business economics.
2. To learn to use analytical and computational techniques to case studies.
3. To foster the interest towards professional economists' practice and business' and organizations' management.
4. To develop the ability to communicate acquired knowledge in writing and orally, both individually and as a group.

Competences

Business Administration and Management

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Capacity for adapting to changing environments.
- Capacity for independent learning in the future, gaining more profound knowledge of previous areas or learning new topics.
- Capacity for oral and written communication in Catalan, Spanish and English, which enables synthesis and oral and written presentation of the work carried out.
- Demonstrate initiative and work individually when the situation requires it.
- Demonstrate knowledge of the structure of institutions and the state, their evolution and the consequences of possible changes, to be able to make a positive contribution to the debate about the role they play in current society.
- Know how to handle the analytical framework and empirical knowledge that is offered by the economy on international relations and the most important economic areas.
- Organise the work in terms of good time management, organisation and planning.
- Select and generate the information necessary for each problem, analyse it and take decisions based on that information.
- Take account of social, economic and environmental impacts when operating within one's own area of knowledge.
- Work well in a team, being able to argue proposals and validate or reject the arguments of others in a reasoned manner.

Economics

- Capacity for adapting to changing environments.
- Capacity for independent learning in the future, gaining more profound knowledge of previous areas or learning new topics.
- Demonstrate initiative and work individually when the situation requires it.
- Demonstrate knowledge of the structure of institutions and the state, their evolution and the consequences of possible changes, to be able to make a positive contribution to the debate about the role they play in current society.
- Know how to handle the analytical framework and empirical knowledge that is offered by the economy on international relations and the most important economic areas.
- Organise the work in terms of good time management, organisation and planning.
- Select and generate the information necessary for each problem, analyse it and take decisions based on that information.
- Show motivation for carrying out quality work and sensitivity to the consequences for the environment and society.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Students must develop the necessary learning skills in order to undertake further training with a high degree of autonomy.
- Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
- Value ethical commitment in professional practice.
- Work well in a team, being able to argue proposals and validate or reject the arguments of others in a reasoned manner.

Learning Outcomes

1. A capacity of oral and written communication in Catalan, Spanish and English, which allows them to summarise and present the work conducted both orally and in writing.
2. Assess ethical commitment in professional activity.
3. Assess the functioning of industrial policy and its effects on the Spanish economy.
4. Capacity to adapt to changing environments.
5. Capacity to continue future learning independently, acquiring further knowledge and exploring new areas of knowledge.
6. Compare the patterns of development of the Spanish economy over the past two decades, its institutional framework and the evolution of its markets.
7. Demonstrate initiative and work independently when required.
8. Demonstrate motivation regarding the quality of the work performed and sensitivity regarding the consequences on the environment and society.
9. Identify the fundamentals of competitive advantages in different sectors of the economy.
10. Identify the main institutions linked to the financial world, in Spain and at an international level.
11. Organise work, in terms of good time management and organisation and planning.
12. Propose projects and actions in accordance with the principles of ethical responsibility and respect for fundamental rights, diversity and democratic values.
13. Propose viable projects and actions that promote social, economic and environmental benefits.
14. Select and generate the information needed for each problem, analyse it and make decisions based on this information.
15. Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
16. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
17. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
18. Students must develop the necessary learning skills in order to undertake further training with a high degree of autonomy.
19. Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
20. Suggest productive restructuring processes.
21. Work as part of a team and be able to argue own proposals and validate or refuse the arguments of others in a reasonable manner.

Content

A. Competitiveness drivers

Topic 1. Competitiveness Indicators and drivers of competitiveness: productivity.

Topic 2. Labor productivity total factor productivity. Labor costs and unit labor cost.

Topic 3. Technology factor and innovation. The stock of capital. The human capital.

Topic 4. Dimension and business concentration. Firms' financing

B. Policies.

Topic 5. Competition policy

Topic 6. Industrial policy.

Topic 7. Regulation policy and the liberalization of the network sectors.

C. Sectors

Topic 8. Manufacturing sectors.

Topic 9. Energy. The electric subsector.

Topic 10. Services and their expansion.

Topic 11. The financial system and the banking sector.

Topic 12. Transport and infrastructure.

Topic 13. Telecommunications.

Topic 14. Agriculture and the EU's Common Agricultural Policy

Methodology

This course is taught on-campus.

The course is based on three types of activities:

Lectures

Case studies and problem sets

Autonomous work

The proposed teaching methodology may undergo some modifications according to the restrictions imposed by the health authorities on on-campus courses

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Case studies and problems	17	0.68	3, 4, 1, 5, 6, 7, 9, 10, 11, 20, 14, 21
Lectures	32.5	1.3	3, 4, 5, 6, 9, 10, 20, 14
Type: Supervised			
Classes	2	0.08	5, 7, 14
Practice on current issues	13.5	0.54	3, 4, 1, 5, 6, 7, 9, 10, 11, 20, 14, 21
Type: Autonomous			
Study	79.5	3.18	4, 1, 5, 7, 10, 11, 14

Assessment

Assessment will be carried out continuously throughout the course, in accordance with the following criteria:

1. Two written tests: 75%.
2. Practice and exercises, recommended activities and class participation: 25%.

The evaluation of the theoretical content of the subject will be carried out through two written tests. The first one will take place in the middle of the term and the second in the date set by the Faculty for the final exam. Each of the tests has the same weight in the final assessment (37.5%).

In order to pass the subject, any student should meet the following two criteria:

1. the average grade of the subject is equal to or greater than 5 and,
2. The average grade obtained at the two partial exams is equal to or greater than 3.8.

Therefore:

- If a student meets the first requirement but not the second, he/she will have an average grade of the subject of 4.5 and will be attend the retake test, as explained below in the section "Retake process".

- If a student meets the second requirement but not the first, or doesn't meet any of them,, he/she will obtain an average grade of the subject that arises from the direct application of the previous weightings, and will be able to attend the retake test (see "Retake process" below).

Non-assessable

Students who do not attend both retake exams will be considered as 'non-assessable'

Calendar of evaluation activities

The dates of the evaluation activities (midterm exams, exercises in the classroom, assignments, ...) will be announced well in advance during the semester.

The date of the final exam is scheduled in the assessment calendar of the Faculty.

"The dates of evaluation activities cannot be modified, unless there is an exceptional and duly justified reason why an evaluation activity cannot be carried out. In this case, the degree coordinator will contact both the teaching staff and the affected student, and a new date will be scheduled within the same academic period to make up for the missed evaluation activity." **Section 1 of Article 115. Calendar of evaluation activities (Academic Regulations UAB).** Students of the Faculty of Economics and Business, who in accordance with the previous paragraph need to change an evaluation activity date must process the request by filling out an Application for exams' reschedule https://eformularis.uab.cat/group/deganat_feie/application-for-exams-reschedule

Grade revision process

After all grading activities have ended, students will be informed of the date and way in which the course grades will be published. Students will be also be informed of the procedure, place, date and time of grade revision following University regulations.

Retake Process

"To be eligible to participate in the retake process, it is required for students to have been previouslybeen evaluated for at least two thirds of the total evaluation activities of the subject." Section 3 of Article 112 ter. The recovery (UAB Academic Regulations). Additionally, it is required that the student to have achieved an average grade of the subject between 3.5 and 4.9.

The date of the retake exam will be posted in the calendar of evaluation activities of the Faculty. Students who take this exam and pass, will get a grade of 5 for the subject. If the student does not pass the retake, the grade will remainunchanged, and hence, student will fail the course.

Irregularities in evaluation activities

In spite of other disciplinary measures deemed appropriate, and in accordance with current academic regulations, *"in the case that the student makes any irregularity that could lead to a significant variation in the grade of an evaluation activity, it will be graded with a 0, regardless of the disciplinary process that can be instructed. In case of various irregularities occur in the evaluation of the same subject, the final grade of this subject will be 0".* **Section 10 of Article 116. Results of the evaluation. (UAB Academic Regulations).**

The proposed evaluation activities may undergo some changes according to the restrictions imposed by the health authorities on on-campus courses.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Exercises, recommended activities and class participation	25	2	0.08	3, 4, 1, 5, 6, 7, 9, 10, 8, 11, 20, 12, 13, 19, 18, 17, 15, 16, 14, 21, 2

Bibliography

Banco de España (2005), The analysis of the Spanish Economy. Available at:

http://www.bde.es/f/webbde/SES/Secciones/Publicaciones/OtrasPublicaciones/Fich/analysis_spanish_economy

Mas, M and R. Stehrer (eds.) Industrial Productivity in Europe. Growth and Crisis, Edward Elgar, 2012.

Motta, M. Competition Policy. Theory and Practice, Cambridge University Press, 2004

Additional bibliography will be provided in each topic.

Software

Spreadsheets, text editors, open coding software (R)