

MODULE	SUBJECT MATTER	YEAR	SEMESTER	CREDITS	TYPE
Economic analysis	Experimental Economics	4º	2º	6	Optative
TEACHING STAFF <sup>(1)</sup>			ADDRESS, TELEPHONE NUMBER, EMAIL, ETC. DIRECCIÓN COMPLETA DE CONTACTO PARA TUTORÍAS (Dirección postal, teléfono, correo electrónico, etc.)		
<ul style="list-style-type: none"><li>Juan Antonio Lacomba Arias (Coordinator)</li><li>Ismael Rodríguez Lara</li></ul>			Juan Antonio Lacomba Arias Department of Economic Theory and History, 3rdfloor, Faculty of Economics and Business. Office number B319. Email: jlacomba@ugr.es		
			Ismael Rodríguez Lara Department of Economic Theory and History, 3rdfloor, Faculty of Economics and Business. Office number B317. Email: ismaelrl@ugr.es		
			TIMETABLE FOR TUTORIALS OR LINK TO WEBSITE		
			Juan Antonio Lacomba Arias Tuesday and Thursday from 10:30 a.m. to 1:30 p.m.		
			Ismael Rodríguez Lara Wednesday, from 3:30 p.m. to 7:30 p.m. Thursday, from 10:30 a.m. to 12:30 p.m.		
BELONGS TO UNDERGRADUATE DEGREE PROGRAMME			AND ALSO TO OTHER UNDERGRADUATE DEGREE PROGRAMMES		
Grado in Economics					
PREREQUISITES OR RECOMMENDATIONS (where applicable)					

<sup>1</sup> Consult any updates in Acceso Identificado > Aplicaciones > Ordenación Docente

(∞) This course guide should be filled in according to UGR regulations on assessment of student learning:  
(<http://secretariageneral.ugr.es/pages/normativa/fichasugr/ncg7121/>)

To have undertaken the units Introduction to economics, Microeconomics I and Microeconomics III

**BRIEF DESCRIPTION OF CONTENT (ACCORDING TO OFFICIAL VALIDATION REPORT)**

Introduction to Experimental Economics, Experimental design with incentives, ,trust, public goods, bargaining, labor market, game theory, altruism, reciprocity, lab experiments, field experiments.

**GENERAL AND SPECIFIC COMPETENCES**

**General Competences:**

- CG3 - Capacity for analysis and synthesis.
- CG5 - Skill of oral and written communication in English
- CG8 - Ability to solve problems
- CG11 - Ability to work in an interdisciplinary team
- CG15 - Ability to communicate with other areas of knowledge
- CG16 - Capacity for critical and self-critical reasoning
- CG17 - Capacity for learning and autonomous work
- CG24 - Ability to apply knowledge in practice
- CG25 - Ability to search for information and research
- CG26 - Ability to design and manage projects
- CB2 - That students know how to apply their knowledge to their work or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.
- CB3 - That students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.
- CB4 - That students can transmit information, ideas, problems and solutions to both a specialized and non-specialized audience
- CB5 - That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy

**Transversal Competences**

- CT1 - Through knowledge and application of the concepts learned in the degree, being able to identify and anticipate relevant economic problems in relation to the allocation of resources in general, both in the private and public spheres
- CT3 - Learn to communicate fluently in an environment and to work as a team, both in a national context and in an international context

**Specific Competences**

- CE17 - Identify and anticipate relevant economic problems in relation to the allocation of resources in general, both in the private and public spheres
- CE22 - Provide rationality to the analysis and description of any aspect of economic reality
- CE23 - Evaluate consequences of different action alternatives and select the best ones given the objectives
- CE32 - Communicate fluently in an environment and work as a team
- CE38 - Derive from the data relevant information impossible to recognize by non-professionals
- CE39 - Use information and communication technology regularly in all their professional performance
- CE40 - Read and communicate professionally in more than one language, especially in English



- CE41 - Apply to the analysis of problems professional criteria based on the handling of theoretical instruments
- CE42 - Ethical commitment at work. Capacity for teamwork. Critical and self-critical capacity. Working in an international context
- CE43 - Motivation for quality
- CE59 - Contribute to the good management of resource allocation in both the private and public spheres
- CE64 - Write economic management projects at the international, national or regional level

#### OBJECTIVES (EXPRESSED AS EXPECTED LEARNING OUTCOMES)

In this subject, the fundamental contents related to Experimental Economics are presented. The course covers several topics such as individual decision making, cooperation, bargaining, social preferences, neuro-economics, labor market, field experiments, etc. The student who chooses this subject must have knowledge of microeconomics at intermediate level and, in particular, have studied the subject "Microeconomics II" of the Degree in Economics, where they learn the basic elements of the different concepts of Game Theory. Therefore, this course must be completed in the second cycle of the degree. Among the fundamental objectives of this subject are the following: Teach students a methodology that allows them to know how experiments are designed and the quantitative and qualitative analysis of them. The course will cover the main research articles of the most relevant subjects in the field of Experimental Economics.

In general, the course will focus on the following topics:  
 Theoretical introduction to economics experiments.  
 Introduction to the design of experiments.  
 Review of the main contributions in the Experimental Economics.  
 Review of the main "field experiments".

#### DETAILED SYLLABUS

##### THEORY

- Topic 1. Introduction to experiments in economics and Behavioral economics.
- Topic 2. Altruism and Bargaining.
- Topic 3. Trust.
- Topic 4. Labor Market.
- Topic 5. Public goods.
- Topic 6. Antisocial behavior.
- Topic 7. Field experiments

##### PRACTICE

- Design of experiments by groups
- Oral and written presentation of the experiments in class

#### BIBLIOGRAPHY

##### BASIC READING LIST

- Economía Experimental y del Comportamiento, Antoni Bosch Editor, Pablo Brañas coordinador, 2011
- Davis, D. and Holt, C. (1993). Experimental Economics. Princeton University Press, Princeton.



#### COMPLEMENTARY READING

- Camerer, C.F. (1995). Individual Decision Making. In Kagel, J.H. and Roth, A.E. (eds.) Handbook of Experimental Economics. Princeton University Press, Princeton: 587-703.
- Harrison, G.W. and List, J.A. (2004). Field Experiments. Journal of Economic Literature 42: 1013-59.
- Roth, A.E. (1995). Introduction to Experimental Economics. In Kagel, J.H. and Roth, A.E. (eds.) Handbook of Experimental Economics. Princeton University Press, Princeton. Chapter 1.
- Camerer, C.F. (2003). Behavioral Game Theory. Princeton University Press, Princeton.
- Holt, C. (2006) Markets, Games, & Strategic Behavior. Addison Wesley.
- Kagel, J.H. and Roth, A.E. (1995). Handbook of Experimental Economics. Princeton University Press, Princeton.

#### RECOMMENDED LINKS

Fill in text as appropriate

#### TEACHING METHODOLOGY

The professor together with the students will develop all the subjects that configure the agenda. During the syllabus, original experiments will be proposed by the students. These works include:

- \* Present a novel experimental idea.
- \* Establish behavioral hypothesis.
- \* Design of the experiments.
- \* Comments on the expected results.

The experimental proposal can be either alone or in groups of 2 people, and should be a novel idea, although part of its design may involve replicating an existing experimental finding. A well-developed experimental proposal includes:

- 1) An analysis of the theoretical predictions of the behavior of the subjects.
- 2) A review of the related literature.
- 3) An experimental design discussing all treatments and behavioral hypotheses.
- 4) Strategy for the analysis of experimental data.
- 5) And if possible, carry out a pilot study with some (unpaid) subjects.

#### ASSESSMENT (ASSESSMENT INSTRUMENTS, CRITERIA AND PERCENTAGE VALUE OF FINAL OVERALL MARK, ETC.)

Following the regulations, there is a continuous assessment.

The instruments and evaluation criteria consist in making two presentations during the course (a presentation of an own experimental design of a lab experiment and a presentation of an own experimental design of a field experiment) and two written proposals of 6-8 pages of your own experimental designs before the last week of the course. The total grade of this course (100%) will be made according to the following weighting:

- Oral presentation of your own experimental design I: 20%
- Oral presentation of your own experimental design II: 20%
- Written proposal of 6-8 pages on your own experimental design I: 20%
- Written proposal of 6-8 pages on your own experimental design II: 20%
- Written works in Practice classes: 20%

In the case of group work, the members of the group may or may not receive the same qualification.



To be able to pass the subject by continuous assessment, all the tasks will be carried out. If one of them is not done, it cannot be approved by continuous assessment.

The extraordinary assessment session will consist of an exam where the students will have to answer a series of essay questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment

According to Article 8 of the current Evaluation Regulations, students will be able to take a single final evaluation the first two weeks of the course (or two weeks after their enrollment change), as requested, through the electronic procedure, to the Director of the Department, alleging and proving the reasons that assist him to be unable to follow the continuous evaluation system (labor reasons, health status, disability or any other duly justified cause), understanding such evaluation, as a single academic act to prove that the student has acquired all of the skills described.

#### DESCRIPTION OF THE EXERCISES WHICH WILL CONSTITUTE SINGLE FINAL ASSESSMENT AS ESTABLISHED IN UGR REGULATIONS

The single final assessment will consist of an exam where the students will have to answer a series of essay questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment

#### SCENARIO A (ON-CAMPUS AND REMOTE TEACHING AND LEARNING COMBINED)

##### TUTORIALS

##### TIMETABLE

(According to Official Academic Organization Plan)

##### TOOLS FOR TUTORIALS

(Indicate which digital tools will be used for tutorials)

The same as the one indicated above in the standard full attendance scenario

email

##### MEASURES TAKEN TO ADAPT TEACHING METHODOLOGY

- Virtual teaching will be combined with face-to-face. The groups will be divided into several subgroups, so that part of the students follow the class from the classroom and the rest via streaming. The number, size and periodicity of the physical presence will be determined based on the logistical and organizational capacities of the Center and the Department

##### MEASURES TAKEN TO ADAPT ASSESSMENT (Instruments, criteria and percentage of final overall mark)

##### Ordinary assessment session

- Oral presentation of your own experimental design I: 20%
- Oral presentation of your own experimental design II: 20%
- Written proposal of 6-8 pages on your own experimental design I: 20%
- Written proposal of 6-8 pages on your own experimental design II: 20%
- Written works in Practice classes: 20%



Extraordinary assessment session	
The extraordinary assessment session will consist of an exam where the students will have to answer a series of essay questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment. The exam will be preferably face-to-face. If it was not possible, it would be done online (Prado, Google Meet)	
Single final assessment	
The single final assessment will consist of an exam where the students will have to answer a series of essay questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment. The exam will be preferably face-to-face. If it was not possible, it would be done online (Prado, Google Meet)	
SCENARIO B (ONCAMPUS ACTIVITY SUSPENDED)	
TUTORIALS	
TIMETABLE (According to Official Academic Organization Plan)	TOOLS FOR TUTORIALS (Indicate which digital tools will be used for tutorials)
The same as the one indicated above in the standard full attendance scenario	email
MEASURES TAKEN TO ADAPT TEACHING METHODOLOGY	
<ul style="list-style-type: none"> <li>Conducting theoretical and practical classes through the Google Meet platform.</li> <li>Availability in Prado of the relations of experiments through the PRADO platform, and where appropriate, of the teacher's personal web page.</li> <li>Participation through forums.</li> </ul>	
MEASURES TAKEN TO ADAPT ASSESSMENT (Instruments, criteria and percentage of final overall mark)	
Ordinary assessment session	
<ul style="list-style-type: none"> <li>Oral presentation of your own experimental design I: 20%. The presentation will be made through Google Meet</li> <li>Oral presentation of your own experimental design II: 20%, The presentation will be made through Google Meet</li> <li>Written proposal of 6-8 pages on your own experimental design I: 20%. The delivery will be made through Prado</li> <li>Written proposal of 6-8 pages on your own experimental design II: 20%. The delivery will be made through Prado</li> <li>Written works in Practice classes: 20%. The delivery will be made through Prado</li> </ul>	
Extraordinary assessment session	
<ul style="list-style-type: none"> <li>The extraordinary assessment session will consist of an exam where the students will have to answer a series of questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment. The exam will be made through Prado</li> </ul>	
Single final assessment	



The single final assessment will consist of an exam where the students will have to answer a series of questions related to the totality of the topics seen in the course. The mark will be the 100% of the final assessment. The exam will be made through Prado.

#### ADDITIONAL INFORMATION (if necessary)

The Department of Economic Theory and History, in accordance with the Regulations for the care of students with disabilities and other specific needs for educational support, approved by the Governing Council of the UGR on September 20, 2016, will promote the right to education under conditions of equal opportunities for students with disabilities and other specific educational support needs. The necessary care actions will be established to achieve their full and effective inclusion, guaranteeing their right to inclusive education, in accordance with the principles of non-discrimination, equal opportunities and universal accessibility, so that they can achieve the maximum possible development of their personal capacities and In any case, the objectives established in general for the entire student body.

The information contained in this guide may be modified by supervening circumstances, changes in regulations or new guidelines that may be given by the health authorities, the University or the Center.

