

Energy Economics II

Academic Year: (2023 / 2024)

Review date: 09-07-2020

Department assigned to the subject: Economics Department

Coordinating teacher: ESCRIBANO SAEZ, ALVARO

Type: Compulsory ECTS Credits : 6.0

Year : 2 Semester : 2

OBJECTIVES

Students acquire knowledge of regulatory policies in the energy sector in Spain and in the EU. They will be able to separate the problems of management, use of every strategic decision and negotiation with the regulator technology. Also, the students get an extensive knowledge of Spanish and European energy markets and in particular in the power and the gas sectors. They will also be able to prepare reports and related project evaluation analysis.

DESCRIPTION OF CONTENTS: PROGRAMME

ENERGY ECONOMICS II

1. Generation: Electricity and Gas
2. The European Market Coupling in Electricity
3. Risk Management
4. Perspectives of the Spanish Electricity Sector
5. Iberian Market Operator: Market Processes
6. Settlement and Clearing of Electricity
7. Transmission and System Operation I: The Spanish System
8. Transmission and System Operation II: Renewable Energy Integration
9. Transmission and System Operation III: An International Perspective
10. Introduction to the Gas System/ Access to the Gas System
11. The Spanish and European Gas System
12. Gas System Operation in Spain

LEARNING ACTIVITIES AND METHODOLOGY

Theoretical lessons
 Problem solving and case study in the classroom
 Individual and group work to solve problems, simulations and case study
 Presentation of individual and group work
 Visits to leading centers in the sector.
 Exams

ASSESSMENT SYSTEM

The course evaluation is continuous through tests, exercises, and class participation. Multiple choice tests will be carried out by students at the end of each of the three parts of the program.

% end-of-term-examination:	0
% of continuous assessment (assignments, laboratory, practicals...):	100