Year : 2020/21

61435 - Advanced Financial Instruments

Syllabus Information

Academic Year: 2020/21
Subject: 61435 - Advanced Financial Instruments
Faculty / School: 109 - Facultad de Economía y Empresa
Degree: 526 - Master's in Accounting and Finance
ECTS: 4.0
Year: 1
Semester: Second semester
Subject Type: Optional
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The class time of the course is organised as follows:

Participatory lectures:

Students will have access to the recommended bibliography for each lesson and they are expected to read it carefully before attending the corresponding lecture.

In the lectures, a presentation and explanation of the most important concepts of the subject will be held to enhance active student participation.

Problem-solving sessions:

Every week, besides the theoretical participatory lecture, the students will attend a practical class to solve cases in the computer room.

4.2.Learning tasks

Activities	Number hours	Learning-teaching process	

Theoretical clases	20	Participative lectures	
Practical clases	20	Practical classes with computer. Presentation of Works	
Tutorial hours	60	Student's autonomous work and personal reflection about the contents of the course	

The teaching methodology is planned to be face-to-face classes. However, if necessary for health reasons, face-to-face classes may be online.

4.3.Syllabus

PART I: PLAIN-VANILLA OPTIONS

Lesson 1: Introduction

Lesson 2: Option combinations

Lesson 3: Option valuation

PART II: EXOTIC OPTIONS

Lesson 4.- Concept and characteristics

Lesson 5.- Structured investment product

PART III: OTC MARKETS

Lesson 6: Credit derivatives

Lesson 7: VaR model

4.4.Course planning and calendar

The schedule of sessions will be uploaded on the websites of the different faculties, and the dates of the work presentations and other activities will be notified by the teacher through the appropriate channels.

4.5.Bibliography and recommended resources

? Hull, John C.. Introducción a los mercados de futuros y opciones / John Hull ; traducción, Jaime Gómez-Mont Araiza; revisión técnica, Arturo Morales Castro, José Antonio Morales Castro . 8ª ed. Naucalpan de Juárez (Estado de México) : Pearson Educación de México, 2014
? Bachiller Baroja, Patricia. Mercados financieros / Patricia Bachiller Baroja, Alfredo Bachiller Baroja. Zaragoza : CopyCenter Digital, cop. 2013
? Castellanos Hernán, Enrique. Opciones y futuros de renta variable : manual práctico / Enrique Castellanos Hernán.Madrid : Instituto BME, 2011.
? Banks, Erik. The options applications handbook :hedging and speculating techniques for professional investors /Erik Banks and Paul Siegel. New York ; London : McGraw-Hill, cop. 2007
? Haug, Espen Gaarder. The complete guide to option pricing formulas / Espen Gaarder Haug. New York :McGraw-Hill, cop. 2007
? Exotic option pricing and advanced Lévy models / edited by Andreas Kyprianou, Wim Schoutens and Paul Wilmott Chichester. England ; Hoboken, NJ : John Wiley, cop. 2005
? Lamothe Fernández, Prosper. Opciones financieras y productos estructurados / Prosper Lamothe Fernández,Miguel Pérez Somalo . - 3ª ed., [reimp.] Madrid, [etc.] : McGraw Hill, D.L. 2005