

Academic Year: ( 2022 / 2023 )

Review date: 02-08-2022

Department assigned to the subject: Business Administration Department

Coordinating teacher: PEÑA SANCHEZ DE RIVERA, JUAN IGNACIO

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

**REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)**

Mathematics (Linear Algebra and Calculus), Statistics, Econometrics I and II, Microeconomics III, Financial Economics, Corporate Finance, Financial Systems  
Programming skills in Matlab o similar language (S, R).

**OBJECTIVES**

This course presents the main tools for designing and evaluating investment strategies. First, we review the main asset classes and investment instruments. After describing the main asset classes, investment instruments, and portfolio performance measures, we focus on the critical aspects of sustainable financial investing. Next, we review the elements of investment strategies, and the course ends with some suggestions for personal portfolio choice. All the material and the readings are in English.

**DESCRIPTION OF CONTENTS: PROGRAMME****PROGRAM:****Chapter 1. Introduction**

What is this course about?  
Grading  
Data and Software  
Project  
Asset standardized description

**Chapter 2. Asset Classes, Investments Instruments, and Portfolio Performance**

Asset Classes  
Investment Instruments  
Financial Risk Factors  
CFD  
Investment funds  
ETF  
Assessing Portfolio Performance

**Chapter 3. Sustainable Finance**

Why is sustainability important?  
Traditional and sustainable finance  
ESG factors  
ESG Investment Strategies  
Green Financial products

**Chapter 4. The Elements of the Investment Strategy**

Passive Investment  
Active Investment  
Asset Allocation  
Security Selection

Chapter 5. Personal portfolio choice

Preliminaries  
Life expectancy  
Instruments  
Insurance  
Asset allocation  
Investment funds  
REITs

LEARNING ACTIVITIES AND METHODOLOGY

Methodology:

- (1) Theory.
- (2) Cases
- (3) Computer simulations.
- (4) Exercises
- (5) Class discussion.

ASSESSMENT SYSTEM

GRADING:

- ¿ Groups (maximum four persons)
- ¿ Group Practice session (1-10) PDF reports :  $10 \times 4 = 40$  points
- ¿ Individual Project: 60 points.

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