# COURSE SYLLABUS

# Financial Portfolio Management (blended)

**2425-3-E3301M204**

## Learning objectives

The main goal of the course is the understanding and application of investment strategies for portfolios of financial assets. In particular, the student will be able, using the correct disciplinary language, to: understand the functioning of the securities market (microstructure)

- know the economic-technical characteristics of the different asset classes (bonds, shares, mutual funds)
- define asset allocation approaches (portfolio optimization and pricing models)
- apply asset allocation principles in building a portfolio of ETFs
- clarify the differences between modern finance theory and behavioral finance
- understand the relationships between the theory of market efficiency and the assumptions of fundamental analysis (DCF and multiple analysis) and technical analysis
- apply the tools of portfolio performance evaluation

## Contents

The course develops an understanding of the role and functioning of securities markets in its two main sectors: the bond market and the stock market.

Besides this basic understanding, participants will have an overview on more specific topics, such as portfolio management strategies, portfolio perfomance evaluation, market efficiency and behavioral finance. The aim of the course is to allow attending students to acquire the necessary grasp in the use of securities analysis tools

## Detailed program

1. Financial markets structure

2. Equity valuation: return and risk measures

3. Bond evaluation: return and risk measures

4. Markowitz portfolio selection theory

5. *Capital Asset Pricing Model*

6. Portfolio perfomance evaluation

7. Financial markets efficiency and technical analysis

8. Behavioral finance

## Prerequisites

Basic knowledge of statistics and financial mathematics

## Teaching methods

The course is delivered in Blended Learning mode and includes:

- 21 hours of lectures,
- 28 hours of independent activity to be carried out on the basis of the material provided online on the platform (Video lessons/ videos/ Ad hoc readings/websites, use of financial databases)
- 12 hours of exercises dedicated to technical analysis and the Asset Allocation Contest (optional)

During the course period, all students are offered to participate (to be carried out in groups) in two specific activities:
a) Asset Allocation Contest.
b) GameStop study

## Assessment methods

**During the course period, the assessment method takes place in stages:**

1. Weekly via online activities
2. discussion of the group work (GME stop case)
3. with an end-of-course test carried out in a computer lab and structured with 10 closed questions (multiple choice) and 2 open questions.

The test grading scale provides the following score:

– 3 points for correct answers to multiple-choice questions (0 if incorrect)

– 15-30 points for answers to open-ended questions (12 for no answer)

The final score obtained in the test will be added up to a maximum of 1 point obtained by carrying out the group work on GME case study. In addition, students who participate in the Asset Allocation Contest (AAC) can earn up to a maximum of 1.5 points

Example: 10 correct closed-ended questions (30); Open question 1:20; Open Question 2: 30

Test score = (30+30+20)/3 = 26.67; plus a maximum of 2.5 points for group work

**During the official exams, the assessment of learning is carried out through a written exam**

Written exam: 10 multiple-choice questions + 2 open-ended questions
Grading scale:
–0-3 points multiple choice questions
–15-30 open-ended questions (12 with no answer)

It will be possible, at the student's request, to also take an oral exam, in addition to the written one, on the teaching material of the course

## Textbooks and Reading Materials

Economia del mercato mobiliare (Fundamentals of Investments), McGraw Hill Italia. Textbook is a selection of Chapters of Jordan, Miller and Dolvin, in English

## Semester

Second Semester

## Teaching language

teaching in Italian; study material in English

## Sustainable Development Goals

GENDER EQUALITY | DECENT WORK AND ECONOMIC GROWTH