

# Portfolio management

**EM364U03**

## Program

**PGE**  
PGE 2A - FINANCE - COMPTABILITE

## UE

Track Finance

## Semester

B

## Discipline

Finance

## Contact hours

20 H

## Number of spots

45

## ECTS

5

## Open to visitors

Yes

## Language



## Coordinator

Jean-Loup SOULA



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## List of lecturers

| Lecturer(s)     | Email                                                      | Contact hours - lecture |
|-----------------|------------------------------------------------------------|-------------------------|
| Jean-Loup SOULA | <a href="mailto:jlsoula@unistra.fr">jlsoula@unistra.fr</a> | 20 h                    |

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## **Pedagogical contribution of the course to the program**

### **Développer un management à impact grâce aux connaissances et aux outils les plus récents dans les domaines du management**

Evaluate sustainable managerial practices using managerial concepts and instruments as well as digital tools

Design solutions adapted to organizational problems by applying relevant methodologies

Developing a strategic and managerial vision in a complex, uncertain and changing environment

### **Pratiquer un management à impact dans un environnement multiculturel et international, porté par un "European mindset"**

Communicate in a professional context in (foreign) languages, in writing and/or orally

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## **Description**

The main aim of the course is to enable students to develop a sound understanding of the fundamental principles underlying the theory and practice of investment and portfolio analysis and management; thereby providing a strong basis for further study of advanced finance theory and cognate disciplines. From within this framework the course aims to extend students' capacity to evaluate and analyze actual and potential investments. The course will develop analytics skills and knowledge about risk analysis in order to understand and apply portfolio management practices.

The course will introduce students to a number of important concepts in investment and portfolio theory. Specifically, the following topics will be covered: modern portfolio theory, the principles of assets pricing theory including the theoretical underpinnings of pricing rules, the concept of risk and return and the trade-off between the two, the characteristics of different asset classes (equities, bonds) and their importance in portfolio selection problem, evaluation of portfolio performance, active and passive portfolio management. All the topics will be approached from both theoretical and practical perspectives.

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## **Teaching methods**

### **Face-to-face**

- Lectures
- Tutorials
- E-learning

### **In group**

- Exercises
- Oral presentations
- Case studies/texts

### **Interaction**

- Discussions/debates
- Games (educational, role play, simulation)

## Others

**No items in this list have been checked.**

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## Learning objectives

### Cognitive domain

Upon completion of this course, students should be able to

- - (level 4) **figure out** concepts of risks, return and risk-return trade-off.
  - - (level 4) **manage** concepts of risks, return and risk-return trade-off while building a financial portfolio.
  - - (level 4) **figure out** the concepts of diversification through different assets
  - - (level 4) **optimize** the concepts of diversification while building an efficient portfolio.
  - - (level 5) **rank** the key assets and products of the investment industry.
  - - (level 5) **hire** the key assets and products of the investment industry based on the investment objectives and the style of investment.
  - - (level 5) **estimate** the key asset pricing models and reflect on their limitations.
  - - (level 5) **weigh** the key trend and issues associated with the equity asset class.
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### Affective domain

Upon completion of this course, students should be able to

**None affective domain have been associated with this course yet**

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## Outline

1. Introduction
  2. Defining an Asset: Risks and Returns
  3. Diversification and Efficient Frontier
  4. Optimal Portfolio(s)
  5. The Investment Industry
  6. The Capital Asset Pricing Model
  7. Beyond the Capital Asset Pricing Model
  8. Performance Measurement
  9. Presentation of the Portfolios
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## **No prerequisite has been provided**

### Knowledge in / Key concepts to master

Excel

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## **Teaching material**

### Mandatory tools for the course

- Computer
- Reference manuals

### Documents in all formats

- Photocopies
- Syllabus

### Moodle platform

- Upload of class documents
- Interface to submit coursework

### Software

- Pack Office (Word, Excel, PowerPoint, Access)

### Additional electronic platforms

**No items in this list have been checked.**

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## **Recommended reading**

Main reading material

Investments, Bodie, Kane, Marcus, Global Edition, Mc Graw Hill Education

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Additional literature

**No reading material has been provided.**

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### EM Research: Be sure to mobilize at least one resource

Textbooks, case studies, translated material, etc. can be entered

**No reading material has been provided.**

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## Assessment

### List of assessment methods

#### **Intermediate assessment / continuous assessment 1** Last class

Written and oral / Group / English / Weight : 25 %

**Details :** It is a group assignment consisting of a report, an Excel file detailing the calculations, and a presentation. Presentations will take place on the date given at the beginning of the course. Presentations will last 15 minutes per group and all members should participate. Reports should be submitted electronically via Moodle by the deadline announced during the course.

**This evaluation is used to measure ILO1.1-PGE, ILO1.2-PGE, ILO1.3-PGE, ILO4.1-PGE**

#### **Intermediate assessment / continuous assessment 2** Other (date, pop quiz, etc.) : dates mentioned during the first session of the course

Written / Individual / English / Weight : 15 %

**Details :** Two continuous examinations.

**This evaluation is used to measure ILO1.1-PGE, ILO1.2-PGE, ILO1.3-PGE, ILO4.1-PGE**

#### **Final evaluation** Exam week

Written (120 Min.) / Individual / English / Weight : 60 %

**Details :** individual examination that will cover calculation, description and writing skills.

**This evaluation is used to measure ILO1.1-PGE, ILO1.2-PGE, ILO1.3-PGE, ILO4.1-PGE**