TEACHING GUIDE - 2026-2027

Asset Pricing

UGRA_000617

Departments	Department of Economics, Finance & Accounting
Teaching Languages	English
ECTS	4
Teacher responsible	Matthew James Smith - matthewjames.smith@esade.edu

Course Goals

- Students will learn about various valuation techniques, introduces several asset pricing models and explores financial markets and derivative products.
- Students will obtain knowledge on regression models and other statistical methods used in the pricing of assets.

Previous knowledge

Basic finance concepts, basic undergraduate mathematics, statistics and probability.

Teaching methodology

The lectures combine theoretical explanations and its applications and implementations through in class exercises and examples.

Description

Course contribution to program

This course will contribute to students understanding of how various asset classes are priced using quantitative methods from industry and academia.

Short description

This course covers valuation methods and concepts applied in Asset Pricing, exploring the CAPM and Fama French models. Students will gain insights into derivative products and essential statistical concepts applied in financial markets.

Bibliography

Hull, Options Futures and other derivatives (Book)
, Additional Bibliography or Materials: Additional material, lecture notes and financial data will be given in class (Article)

Activities

Analytical exercises
Group project 40%

Written and/or oral exams
Multiple choice exam 60%

Teamwork
Project in Asset Pricing

Content

#	Topic
1	Statistical concepts for the pricing of assets
2	Mathematical concepts for the valuation of assets
3	Capital Asset Pricing Model
4	Extensions to the Capital Asset Pricing Model
5	Derivative products and alternative assets

Assessment

Tool	Assessment tool	Category	Weight %
Written and/or oral exams		Retake and ordinary round	60.00%
Group project		Retake and ordinary round	40.00%

PROGRAMS

AI26S-Exchange Program Bachelor in Business and Artificial Intelligence (Undergraduates: Business)
- AI26S Year 1 (Optative)

B13-Exchange Program Bachelor of Business Administration (BBA) (Undergraduates: Business)
- B13 Year 1 (Optative)

B13S-Exchange Program Bachelor of Business Administration (BBA) (Undergraduates: Business)
- B13S Year 1 (Optative)

BBA20-Bachelor of Business Administration (BBA) (Undergraduates: Business)
- BBA20 Year 4 (Optative)
- BBA20 Year 3 (Optative)

BBA23-Bachelor of Business Administration (BBA) (Undergraduates: Business)
- BBA23 Year 3 (Optative)
- BBA23 Year 4 (Optative)

BBA25-Bachelor of Business Administration (BBA) (Undergraduates: Business)
- BBA25 Year 1 (Optative)
- BBA25 Year 3 (Optative)

BITLASI22-Bachelor in Transformational Leadership and Social Impact (Undergraduates: Business)
- BITLASI22 Year 4 (Optative)

DBAI23-Double Degree in Business Administration and Artificial Intelligence for Business (Undergraduates: Business)
- DBAI23 Year 1 (Optative)
- DBAI23 Year 3 (Optative)
- DBAI23 Year 4 (Optative)

GBD20-Double Degree in Business Administration and Law (Undergraduates: Law)
- GBD20 Year 4 (Optative)
- GBD20 Year 2 (Optative)
- GBD20 Year 5 (Optative)
- GBD20 Year 3 (Optative)
- GBD20 Year 1 (Optative)

GEL19-Bachelor in Global Governance, Economics and Legal Order (Undergraduates: Law)
- GEL19 Year 4 (Optative)
- GEL19 Year 2 (Optative)
- GEL19 Year 3 (Optative)
- GEL19 Year 1 (Optative)

GEL23-Bachelor in Global Governance, Economics and Legal Order (Undergraduates: Law)
- GEL23 Year 3 (Optative)
- GEL23 Year 1 (Optative)
- GEL23 Year 4 (Optative)
- GEL23 Year 2 (Optative)