UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Financial Markets

Academic Year 2025/2026

1. Organic Unit

Faculty of Business and Economic Sciences

2. Course

ECONOMICS

3. Cycle

1st

4. Course Unit

Financial Markets (03328)

5. Scientific Area

6. Curricular Year

3rd

7. Type of Curricular Unit / Semester

1st Semester

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8. Class type and workload (work time)

Theoretical classes:	
Practical classes:	
Theoretical-Practical Classes	30,00
Tutorial Guidance:	20,00

9. ECTS Credits

6,00

10. Scientific Area Coordinator

11. Regent

Prof. Doutor MIGUEL ALEXANDRE TEIXEIRA COELHO

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

The curricular unit was designed with the aim of providing students with training in the following areas:
1. Financial markets and their regulation.
2. Analysis and evaluation of financial instruments.
3. Portfolio and risk management.

15. Specific Objectives

1. Familiarize the student with the general principles of functioning of financial markets.
2. Familiarize students with the main financial instruments.
3. Provide methodologies for evaluating financial instruments.
4. Familiarize students with the basic principles of portfolio management and risk management.

16. Skills to be acquired

By the end of the course, students should be able to:
1. Analyze the main financial instruments and markets;
2. Apply quantitative methodologies in asset valuation;
3. Solve problems related to portfolio management.

17. Teaching Methodology

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The method combines theoretical exposition (know- know) with the resolution of practical cases and simulation exercises (know-how), covering the framework, concepts and models inherent to each of the subjects to be taught. It also seeks to discuss the conciliation between theoretical knowledge and practical knowledge in real contexts, thus ensuring a phronetic perspective (wisdom) of the subject.

18. Course Unit Program

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I. Introduction.

I.1 General principles of Financial Calculus.
I.2 Current Situation of the Financial Markets.
I.3 Main Concepts and Risks.
I.4 Regulatory Framework of Financial Markets.
I.5 Financial Markets, Technological Disruption and Sustainability: Threats and Opportunities.

II. Analysis and Evaluation of Financial Instruments.

II.1. Shares.
II.1.1 Characterization of the instrument and market.
II.1.2 Evaluation models.

II.2. Bonds.
II.2.1 Characterization of the instrument and market.
II.2.2. Performance measures.
II.2.3. Term structure of interest rate.
II.2.4 Evaluation models.

II.3 Forwards.
II.3.1 Characterization of the instrument and the market.
II.3.2 Strategies with forwards.

II.3.2 Evaluation models.

II.4 Futures.
II.4.1 Characterization of the instrument and the market.
II.4.2 Strategies with futures.

II.5 Swaps.
II.5.1 Characterization of the instrument and market.
II.5.2 Strategies with swaps.
II.5.3 Evaluation models.

II.6 Options.
II.6.1 Characterization of the instrument and market.
II.6.2 Strategies with options.
II.6.3 Evaluation models: Uniform model; Binomial Model; Black & Scholes model.

III. Investment Portfolio and Risk Management

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III.1 Risk/Return Relationship
III.2 Diversification of the Asset Portfolio
III.3 Investment Opportunity Frontier, Efficient Portfolio and Equilibrium Point

19. Assessment Methods

Continuous assessment is based on carrying out 2 mid-term exams.

20. Didactic Resources

Adopted Books, Power Point, Videos and Internet.

21. Sustainability Objectives

Sustainable finance represents a new paradigm that redirects financial flows towards sustainable investments, taking into account Environmental, Social, and Governance (ESG) factors. The course promotes a critical analysis of financial markets in light of the UN Sustainable Development Goals (SDGs), with particular emphasis on SDG 8 (sustainable economic growth), SDG 9 (financial innovation), SDG 12 (responsible finance), and SDG 13 (climate action).

22. Keywords

Financial Markets
Financial Instruments
Risk Management

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23. Main Bibliography

Author(s):	Coelho, Miguel T. e Oliveira, Rui S.		
Title:	Mercados: São Mesmos os Grandes Culpados das Crises?		
Edition:	1ª	Year:	2015
Local:	Lisboa		
Publisher:	Bnomics		

Author(s):	Elton, E., Gruber, J., Stephen J. e William, N.		
Title:	Modern Portfolio Theory and Investment Analysis		
Edition:	8ª	Year:	2010
Local:	London		
Publisher:	J. Wiley & Sons		

Author(s):	Hull, J		
Title:	Options, Futures and Others Derivatives		
Edition:	8ª	Year:	2012
Local:	London		
Publisher:	Prentice-Hall		

24. Complementary Bibliography

Author(s):	Bennings		
Title:	Financial Modeling		
Edition:	2ª	Year:	2000
Local:	London		
Publisher:	MIT		

Author(s):	Jorion, Philippe		
Title:	Financial Risk Manager Handbook		
Edition:	2ª	Year:	2003
Local:	New Jersey		
Publisher:	John Wiley & Sons		

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Ficha técnica MIP / MIP Datasheet	
Título / Title	Course Unit Program 'MERCADOS FINANCEIROS': Academic Year 2025/2026
Autor / Author	Prof. Doutor MIGUEL ALEXANDRE TEIXEIRA COELHO
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Descritores / Descriptors	-
Colaborador(es) / Colaborator(s)	-
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