UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Information Technology

Academic Year 2025/2026

1. Organic Unit

Faculty of Business and Economic Sciences

2. Course

Sport Organization Management

3. Cycle

1st

4. Course Unit

Information Technology (C1103)

5. Scientific Area

6. Curricular Year

1st

7. Type of Curricular Unit / Semester

2nd 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 NUNO SOTERO ALVES DA SILVA

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

Acquire the ability to create and use Management Information Systems

15. Specific Objectives

To make known the basic concepts about information and information systems and their application to management, the tools available on the market and the care taken in their construction and use.
Develop sensitivity to the realities of management information systems in large multinational companies and SMEs.

16. Skills to be acquired

Identify the main types of management information systems (IS) and their purposes in organisations. Distinguish between the phases of an IS life cycle and apply basic best practices in analysis and design. Apply basic project management concepts (PERT/CPM) to the planning of small IS developments/implementations. Use decision support tools, including multi-criteria methods (e.g., TOPSIS), for simple management problems.

17. Teaching Methodology

Theoretical exposition and class discussion of fundamental concepts and problems, research by students, practical exercises.

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18. Course Unit Program

1. Reality, Information and Knowledge
2. Information as a resource
3. Types of Management Information Systems
4. Life Cycles of Information Systems
5. E-commerce and virtual companies
6. Communication networks
7. Notions of Project Management (PERT/CPM)
8. Multicriteria decision (TOPSIS)

19. Assessment Methods

The continuous assessment is based on two written tests and on the assignments made in the tutorial classes.

20. Didactic Resources

Bibliography
Notes and supporting documents
PowerPoint Presentations
Other elements available in Moodle

21. Sustainability Objectives

SDG 4 - Quality education: UC develops digital literacy and IS design/use skills applied to management through practical exercises and continuous assessment. SDG 5 - Gender equality: cooperative work in mixed groups and case studies contribute to inclusive practices and counteract stereotypes in the areas of ICT/management. SDG 9 - Industry, innovation and infrastructure: approach to IS architectures, networks and e-commerce, promoting process innovation.

22. Keywords

Systems
Information
Information systems
Management
Information and Communication Technologies

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23. Main Bibliography

Author(s): Laudon, Kenneth & Laudon, Jane
Title: Management Information Systems: Managing the Digital Firm
Edition: 15ª Year: 2017
Local: New Jersey, USA
Publisher: Prentice Hall
ISBN Code:

Author(s): Rascão, José
Title: Sistemas de Informação para as Organizações
Edition: 2ª Year: 2004
Local: Lisboa, Portugal
Publisher: Editora Sílabo
ISBN Code:

Author(s): Marcelo Henrique de Araujo
Title: Sistemas de Informação
Edition: 1ª Year: 2019
Local: São Paulo, Brasil
Publisher: Editora Senac
ISBN Code:

24. Complementary Bibliography

Author(s): O'Brien, James A. & Marakas, George M.
Title: Administração de Sistemas de Informação: uma introdução
Edition: 15ª Year: 2012
Local: São Paulo, Brasil
Publisher: McGraw-Hill
ISBN Code:

Author(s): Monica Mancini; Ilana Souza-Concilio
Title: Sistemas de Informação - gestão e tecnologia na era digital
Edition: 1ª Year: 2022
Local: Rio de Janeiro, Brasil
Publisher: BRASPORT
ISBN Code:

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Ficha técnica MIP / MIP Datasheet	
Título / Title	Course Unit Program 'INFORMÁTICA': Academic Year 2025/2026
Autor / Author	Prof. Doutor NUNO SOTERO ALVES DA SILVA
Classificação / Classification	-
Descritores / Descriptors	-
Colaborador(es) / Colaborator(s)	-
Data Hora / Date Time	
Formato de dados / Data Format	Texto / Text, PDF
Estatuto de utilização / Usage	Acesso público / Public Access
Relação / Relation	Version 1,0

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