UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Information Systems in Management

Academic Year 2025/2026

1. Organic Unit

Faculty of Business and Economic Sciences

2. Course

BUSINESS MANAGEMENT

3. Cycle

2nd

4. Course Unit

Information Systems in Management (70204)

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	15,00
Tutorial Guidance:	20,00

9. ECTS Credits

7,50

10. Scientific Area Coordinator

11. Regent

Prof. Doutor JOÃO JOSÉ AMARO AMADOR LEITÃO

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

To ensure students are able to understand the challenges of introducing new information technologies in companies and organizations. To understand the competitive advantages and risks associated with them, as well as the changes in methodologies and paradigms.

15. Specific Objectives

Students should understand:
- The methodology for including new information technologies in the company.
- The competitive advantages.
- The risks associated with their control and minimization.
- The management of these IT technologies.

16. Skills to be acquired

Students should be able to:
- Understand and analyze information flows within an entity.
- Know the information technologies that efficiently support these flows.
- Analyze the evolution of IT and understand its impact on companies and entities.
- Correctly identify the right evolutions that benefit the entities.

17. Teaching Methodology

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Presentation of the subject matter and concepts followed by examples and application exercises when applicable and possible. Application of the concepts to the practical work to be carried out for the course.

18. Course Unit Program

1 - Information Technologies and Systems and the New Era of Digital Transformation
The process of using information. Its processing and management possibilities. Changing the paradigm of how companies operate through the digitalization of organizations.

2 - The Role, Challenges, and Opportunities of Managers
The role of the manager in the changes in companies due to the technical developments in IT and digital transformation.

3 - Organizational Information Systems
Their impact on the organization and functionality of the company and its management.

4 - Information Systems Management
How they are managed and their functionality.
5 - Technologies, Trends, and Impacts for 2030
What can be said about the future associated with IT and its impact on society and consequently on organizations, companies, and methods of organization and management.

19. Assessment Methods

A test to assess theoretical and practical knowledge and an assignment to evaluate the skills acquired in applying the concepts to practice.

20. Didactic Resources

Bibliography
Notes and supporting documents
Presentations
Other elements available in Moodle

21. Sustainability Objectives

The course contributes to the following Sustainable Development Goals within the UN framework and definition:
4 - Quality Education - Through the acquisition of technical skills in information systems and their development and design.
5 - Gender Equality - Promoting inclusive and gender-sensitive pedagogical practices.
9 - Industry, Innovation, and Infrastructure - Through the application of innovative tools in the design and management of information systems and their design.

22. Keywords

IT Innovation Management
Percolation of Technologies
AI in Companies

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23. Main Bibliography

Author(s): José Carlos Nascimento
Title: Sistemas de Informação para Gestores
Edition: 1ª Year: 2022
Local: Lisboa
Publisher: Edições Sílabo
ISBN Code: 9789895612697

Author(s): Gestão de Sistemas de Informação
Title: Telmo Henriques
Edition: 1ª Year: 2019
Local: Lisboa
Publisher: FCA
ISBN Code: 9789727229031

Author(s): Maria Joana de Menezes Lopes
Title: Sistemas de informação para a gestão : conceitos e evolução
Edition: 1ª Year: 1997
Local: Lisboa
Publisher: Universidade Aberta
ISBN Code: 9726742161

24. Complementary Bibliography

Author(s):
Title:
Edition: Year:
Local:
Publisher:
ISBN Code:

Author(s):
Title:
Edition: Year:
Local:
Publisher:
ISBN Code:

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Ficha técnica MIP / MIP Datasheet	
Título / Title	Course Unit Program 'SISTEMAS INFORMAÇÃO EM GESTÃO': Academic Year 2025/2026
Autor / Author	Prof. Doutor JOÃO JOSÉ AMARO AMADOR LEITÃO
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Colaborador(es) / Colaborator(s	-
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