

Course Unit	-	Field of study	-
	-	School	School of Technology and Management
Academic Year	2022/2023	Year of study	1
Type	Semestral	Semester	1
Level		ECTS credits	2.0
Code	5062-717-1107-00-22		
Workload (hours)	54	Contact hours	<div>T</div> - <div>TP</div> - <div>PL</div> - <div>TC</div> - <div>S</div> - <div>E</div> - <div>OT</div> - <div>O</div> -

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) João Paulo Ribeiro Pereira

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand the role of Information Systems (IS) in organizations and the importance of these being aligned with the organizations' strategy
2. Recognize the impacts of information systems and technologies in the context of organizational activities
3. Realize the importance of ICT in organizations
4. Understand the relevance and phases of information systems planning (ISP)

Prerequisites

Not applicable

Course contents

1. Concept of data, information and knowledge 2. Information systems and organizational performance 3. Business Information and Communication Technologies (BICT) concepts and management 4. Information Systems Planning

Course contents (extended version)

1. Concept of data, information and knowledge
2. Information Systems and organizational performance
 - Importance of Information Systems
 - Information Systems in organizations
 - Digital Business and Collaboration
 - Information Systems, Management and Strategy
3. Business Information and Communication Technologies (BICT) concepts and management
 - Main Business Applications – ERP, CRM, BI
4. Information Systems Planning
5. Case Study

Recommended reading

1. Lopes, F. C. ; Morais, M. P. ; Carvalho, A. J. (2005) Desenvolvimento de Sistemas de Informação, Métodos e Técnicas. FCA, Lisboa.
2. Serrano, A. ; Caldeira, M. ; Guerreiro, A. (2004) Gestão de Sistemas e Tecnologias de Informação. FCA, Lisboa.
3. Serrano, A. ; Fialho, C. (2005) Gestão do Conhecimento - 2ª Edição Aumentada. FCA, Lisboa.

Teaching and learning methods

The Course Unit is fundamentally practical, and all the classes will be theoretical-practical lessons. It is intended that students develop skills through problem solving and application examples. Outside of classes, students will have to develop a project where they apply the acquired concepts.

Assessment methods

- Practical work (100%) - (Regular, Student Worker) (Final, Supplementary, Special)

Language of instruction

Portuguese

Electronic validation

João Paulo Ribeiro Pereira	José Luís Padrão Exposto	Nuno Adriano Baptista Ribeiro
08-11-2022	14-11-2022	22-11-2022