

Course Unit	Introduction to Industrial Management		Field of study	Management	
Bachelor in	Industrial Management and Engineering		School	School of Technology and Management	
Academic Year	2022/2023	Year of study	1	Level	1-1
Type	Semestral	Semester	1	ECTS credits	6.0
Workload (hours)		162	Contact hours	T - TP 60 PL - TC - S - E - OT - O -	
Code: 9104-754-1103-00-22					

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) Oliva Maria Dourado Martins, Pedro Miguel Castanheira Teixeira

Learning outcomes and competences

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

1. Assimilate the terminology and technical language used in management; Understand the roles and responsibilities of managers.
2. Understand that the current management is the result of decades of evolution and contributions of several authors, managers, and economists.
3. Adopt an overview of the dynamics of managing.
4. Apply the principles of the different theories of management in the interpretation of different situations, contexts, and actions of managers.
5. Realize that the company is inserted in a context with certain features and characteristics that may be opportunities or threats to their own performance.
6. Discuss the importance of developing goals and clearly identifying objectives for the organization's success.
7. Distinguish how the organizational structure of the companies has an impact on strategy, performance, and operations of these.
8. Understand how company management works at the level of its principal functional areas, including production management and operations.

Prerequisites

Not applicable

Course contents

1. General aspects of organizations and management.
2. Evolution of management thought and management paradigms.
3. The management process: planning, organization, direction, and control.
4. Globalization and the impact on management.
5. The management of innovation and diversity.
6. Principal functional areas of management.
7. The context of Operations Management; Operations Management and types of organizations; The operational process, activities, performance, and strategy of Operations Management.

Course contents (extended version)

1. General aspects of organizations and management
 - Types of organizations and companies
 - Management and managers
 - Functions, roles, and responsibilities
2. Evolution of management thought and management paradigms
 - The management classical theory
 - The management theory of behavioral
 - The management contingency theory
 - The management theory of systemic
 - Recent approaches
3. The management process: planning, organization, direction, and control
 - The process of decision-making
 - Organizational structure
 - Models and control techniques
4. Globalization and the impact on management
5. The management of innovation and diversity
6. Principal functional areas of management
 - Production function
 - Financial function
 - Commercial function
 - Administrative function
 - Human Resources function
7. The context of Operations Management (OM)
 - Operations Management and types of organizations
 - The operational process, activities, performance, and strategy of Operations Management.

Recommended reading

1. Carvalho, J. E. (2016). Gestão de Empresas – Princípios Fundamentais. O futuro da gestão é a gestão do futuro. 4.ª Edição. Lisboa: Edições Sílabo.
2. Hyndman, R. J. , & Athanasopoulos, G. (2018). Forecasting: principles and practice (2nd Ed.). OTexts.
3. Reis, F. L. (2020). Manual de Gestão das organizações: Teoria e prática (2.ª Ed.). Edições Sílabo.
4. Slack, N. , & Brandon-Jones, A. (2019). Operations Management (9th Ed.). Pearson Education Limited.
5. Teixeira, S. (2017). Gestão das organizações (3.ª Ed.). Escolar Editora.

Teaching and learning methods

In classes, there will be a presentation of topics, analysis of small application examples, and accompanied resolution of exercises. Outside classes students must review the materials taught and solve application exercises.

The syllabus's coherence with the curricular unit's objectives is complete. Each syllabus corresponds to the materialization of one curricular unit's objective.

Assessment methods

1. Continuous Assessment - (Regular, Student Worker) (Final, Supplementary)
 - Final Written Exam - 50% (An expected minimum grade of 7/20 values)
 - Practical Work - 50%

Assessment methods

2. Final Writing Exam - (Regular, Student Worker) (Special)
- Final Written Exam - 100%

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Oliva Maria Dourado Martins	António Borges Fernandes	António Jorge da Silva Trindade Duarte	Paulo Alexandre Vara Alves
14-10-2022	28-10-2022	28-10-2022	01-11-2022