

Course Unit	Accounting		Field of study	Accounting	
Bachelor in	Industrial Management and Engineering		School	School of Technology and Management	
Academic Year	2023/2024	Year of study	2	Level	1-2
Type	Semestral	Semester	2	ECTS credits	6.0
Workload (hours)			162	Contact hours	T - 60 TP - 60 PL - 60 TC - 60 S - 60 E - 60 OT - 60 O - 60
Code 9104-754-2201-00-23					

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) Amélia Maria Martins Pires, Paula Adriana Ferreri de Gusmao e Silva

### Learning outcomes and competences

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

1. Enumerate the purposes and principles of accounting and financial reporting
2. Understand accounting as an information system and know the main financial statements - balance sheet and income statement
3. Calculate product costs according different inventory-costing methods
4. Distinguish and practise job order costing system and multistage process costing system
5. Use alternatives criterions to allocating joint costs and measure defective production
6. Use the homogeneous sections method
7. Use standard costs system

### Prerequisites

Before the course unit the learner is expected to be able to:  
Use basic concepts of quantitative methods

### Course contents

Elementary concepts of accounting. The financial information. Management accounting fundamentals. Product costing. Job order costing system and multistage process costing system. Homogeneous sections method. Standard costs.

### Course contents (extended version)

1. Elementary Concepts of Financial Accounting
  - Accounting definition and purposes
  - Conceptual framework
  - Net assets and inventory
  - Patrimonial facts
  - The account
  - Double-entry Bookkeeping
  - Journal and ledger
  - Trial balances
  - Balance sheet
  - Income statement
2. The financial Information
  - Importance and purposes of financial information
  - Underlying assumptions and qualitative characteristics of financial statements
  - Financial information: disclosure
  - Components of financial statements: Analysis of all classes
3. Management accounting fundamentals
  - Management accounting: extent and goals
  - Management accounting and management duties
  - Cost terms
  - Financial accounting versus Management accounting
  - Income statements
  - Management accounting and business strategy
4. Product costing
  - Finished products inventory costs and work-in-process inventory costs
  - Three-part classification of costs: direct materials costs, direct labor costs, indirect man. costs
  - Inventory-costing methods
5. Job order costing system and multistage process costing system
  - Manufacturing-sector: classifications and concepts
  - Job order costing system
  - Multistage process costing system
  - Joint production
  - Defective production
6. Homogeneous sections method
  - Sections
  - Homogeneous Section definition
  - Characterization and objectives
  - Working Method
  - Homogeneous Section Method versus Activity Based Costing
7. Standard Costs
  - Concept and utilization
  - Advantages and limitations
  - Standard versus budgets
  - Standards types: direct materials, direct labour, manufacturing indirect costs
  - Variance of the direct materials, direct labour and manufacturing indirect costs

### Recommended reading

1. Borges, A., Rodrigues, A., & Rodrigues, R. (2021). Elementos de Contabilidade Geral (27ª Ed). Áreas Editora.
2. Caiado, A. (2020). Contabilidade Analítica e de Gestão. (9ª Ed). Áreas Editora.
3. Horngren, C., Ittner, C., Foster, G., Rajan, M., Rajan, M. V. & Datar, S. (2020). Cost Accounting – A Managerial Emphasis (16th Ed. ). Pearson
4. Rodrigues, J. (2021). SNC - Sistema de Normalização Contabilística - Explicado (8ª Ed). Porto Editora.

Teaching and learning methods

The classes are theorico-practical, and include a theoretical exposition followed by practical examples and exercises, in order to develop knowledge and skills established in the learning outcomes.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)

- Practical Work - 50% (Practical Work - 50% (Practical work))

- Final Written Exam - 50% (Final written exam - 50% (Written Exam))

2. Alternative 2 - (Regular, Student Worker) (Final, Supplementary, Special)

- Final Written Exam - 100% (Final Written Exam - 100% (Final written exam))

Language of instruction

Portuguese

Electronic validation			
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12-04-2024	12-04-2024	15-04-2024	15-04-2024