INSTITUTO POLITÉCNICO DE BRAGANÇA

Course Unit	Organization and Management in Pharmacy I		Field of study	-	
Bachelor in	Pharmacy		School	School of Health	
Academic Year	2023/2024	Year of study	2	Level	1-2	ECTS credits	4.0
Type	Semestral	Semester	1	Code	9549-803-2203-00-23	

| Workload (hours) | 108 | Contact hours | T | - | TP | 52,5 | PL | - | TC | - | S | - | E | - | OT | 7,5 | O | - |

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)	Cristiana Guimaraes Martins Midoes, Jose Carlos Goncalves Maduro, Luis Migue Fernandes Nascimento

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
1. To know and to understand the organization and management of the health systems;
2. To describe the well-taken care of circuit of the health/of health well
3. Know and understand the administration and management of health care units, contributing to guarantee the quality of health care, namely in Hospital and Community Pharmacy
4. To identify and to execute management procedures connected to Community Pharmacy

Prerequisites

Before the course unit the learner is expected to be able to:
None

Course contents

Organization and Management of Health Systems. Portuguese Health System. Health Planning. Health Economics. Stock Management. Accounting information.Calculation of prices and co-participation of medicines

Course contents (extended version)

1. Management concept.
    - 1. Evolution of the management concept.
    - 2. SWOT analysis.
    - 3. Accounting information.
    - 4. Balance.
    - 5. Financial ratios.
2. Organization and management in pharmacy - general concepts.
    - 1. The importance of backoffice operations in a pharmacy;
    - 2. Supply logistics;
    - 3. The organization of sales support tasks.
3. Stock management.
    - 1. Costs associated with stock;
    - 2. Physical stock management;
    - 3. Economical stock management;
    - 4. ABC analysis;
    - 5. Costs;
    - 6. Supply;
    - 7. Obsolescence cost;
    - 8. ABC analysis;
    - 9. Stock optimization.
4. Health economics.
    - 1. Definition of health;
    - 2. Determinants of health;
    - 3. Development of the health economy;
    - 4. Indicators;
    - 5. Factors contributing to expenditure;
    - 6. Health indicators;
    - 7. health uncertainties;
    - 8. Principles of economic evaluation;
    - 9. Pharmaco-economics;
    - 10. Control of medication expenditure;
5. Health systems.
    - 1. Health system models;
    - 2. Portuguese healthcare system.
6. Health planning.
    - 1.General Concepts;
    - 2. Planning characteristics;
    - 3. Importance of planning;
    - 4. Typology of health planning;
    - 5. stages of the health planning process;
    - 6. Preparation of programs and projects.
7. Calculation and reimbursement of medicines.
    - 1. Medicine policy;
    - 2. Pricing;
    - 3. Price formation;
    - 4. Prescription circuit;
    - 5. Co-payment schemes;
    - 6. Regressive margins and co-payments.

Recommended reading

1. Martin, V. , & Henderson E. (2004). Gestão de unidades de saúde e de serviços sociais. Lisboa: Monitor.
2. Mezomo, J. C. (2001). Gestão da qualidade na saúde: Princípios básicos. Brasil: Manole.
3. Giraldes, M. R. (2003). Sistema de saúde versus sector privado em Portugal. Lisbia: Editorial Estampa.
4. Barros, P. P. (2009). Economia da saúde. Coimbra: Almedina.
5. Cavalinni, M. , Bisson, M. (2002). Farmácia hospitalar. Brasil. Manole

Teaching and learning methods

Expository theoretical classes, group dynamics and analysis and discussion of texts. Accompanied completion of work in accordance with the specific thematic orientation. Self-guided study based on detailed description of learning outcomes and competencies.

Assessment methods

1. Assessment of the Curricular unit - (Regular, Student Worker) (Final)
    - Work Discussion - 25% (Work carried out in the classroom)
    - Intermediate Written Test - 75% (2 written proofs. The average of them both should be, at least, 8, 5 values.)
2. Final exam - (Student Worker) (Final, Supplementary, Special)
    - Final Written Exam - 100%
3. Final exam - (Regular) (Supplementary, Special)
    - Intermediate Written Test - 100%

Language of instruction

1. Portuguese
2. Portuguese, with additional English support for foreign students.

Electronic validation

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13-12-2023	13-12-2023	15-01-2024	15-01-2024