

Course Unit	Pharmaco Distribution		Field of study	Pharmacy	
Bachelor in	Pharmacy		School	School of Health	
Academic Year	2021/2022	Year of study	3	Level	1-3
Type	Semestral	Semester	2	ECTS credits	5.0
Code	9549-644-3202-00-21				
Workload (hours)	135	Contact hours	T -	TP 60	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) Luis Migue Fernandes Nascimento

Learning outcomes and competences

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

1. At the end of the course unit the learner is expected to be able to:
2. Get abilities in planning and structuring of the hospital pharmacy and / or community pharmacy, combining economic and financial aspects of the quality of health care;
3. Identify the technical procedures that lead to quality in all phases of the circulation of medicines;
4. Define, characterize and compare the various distribution of medicines methods;
5. Identify the different variables that influence the various distribution of medicines systems;
6. Evaluate the effectiveness of the various distribution of medicines systems;
7. Identify and characterize the functions of the Pharmacy Technician, as part of a team, in the circulation of medicines;
8. Recognize attitudes and behaviors of Pharmacy Technician leading to an appreciation and recognition of the socio-professional representing the health care team.

Prerequisites

Before the course unit the learner is expected to be able to:
Not applicable.

Course contents

Basic Law on Health, Portuguese Hospital; Distribution of Medicines in hospital Pharmacy; Distribution of Medicines Systems in Hospital Pharmacy (Traditional, by Replacement Level, in Unidose, in Ambulatory), Inventory Management of Medicines; Distribution of Medicines in Community Pharmacy (Community Pharmacy Management, Interaction of pharmacy technician with the user; distribution of medicines in community pharmacies), New Technologies in the Distribution of Medicines.

Course contents (extended version)

1. Basic Law on Health
2. Portuguese Hospital
3. Hospital Pharmacy
 - DM in Hospital Pharmacy (History, Definition, Objectives, Physical and organizational structure)
 - DSM in Hospital Pharmacy (Traditional, Replacement Level D, Unidose D, Ambulatory D)
 - Special circuits for dispensing medicines
 - Quality control in the circuit of the medicines
 - Evaluation of the effectiveness of distribution systems
 - Inventory Management of Medicines
4. Community Pharmacy
 - Legislation of pharmacy in community pharmacies
 - Requirements guiding for the installation of a pharmacy
 - Community Pharmacy Management
 - Interaction of pharmacy technician with the patient
 - Distribution of medicines in community pharmacies
5. New Technologies in the Distribution of Medicines.

Recommended reading

1. Cavallini, M. E. . & Bisson, M. P. (2002). Farmácia hospitalar: Um enfoque em sistemas de saúde. Brasil, Manole.
2. Harfouche, A. P. (2008). Hospitais Transformados em Empresas: Análise do Impacto na Eficiência. Lisboa, Instituto Superior de Ciências Sociais e Políticas da Universidade Técnica de Lisboa.
3. Magalhães Gomes, M. J. V. , & Reis, A. M. M. (2001). Ciências farmacêuticas: uma abordagem em farmácia hospitalar. São Paulo, Atheneu.
4. Pita, J. R. (1996). Farmácia, medicina e saúde pública em portugal (1772-1836). Coimbra, Minerva.
5. Mezomo, J. C. (1995). Gestão da qualidade na saúde: princípios básicos. São paulo, Manole.

Teaching and learning methods

Expositive, active and participative classes. Tutorial orientation in order to the development of a working group study with oral presentation in class.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)
 - Intermediate Written Test - 80%
 - Presentations - 20%
2. Alternative 2 - (Regular, Student Worker) (Final, Supplementary, Special)
 - Final Written Exam - 100%

Language of instruction

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

Electronic validation

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02-03-2022	02-03-2022	05-04-2022	06-04-2022