

Course Unit	Pharmaco Distribution	Field of study	Pharmacy
Bachelor in	Pharmacy	School	School of Health
Academic Year	2021/2022	Year of study	3
Type	Semestral	Semester	2
Level	1-3	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

Luis Migue Fernandes Nascimento	Isabel Cristina Jornalo Freire Pinto	Juliana Almeida de Souza	Adília Maria Pires da Silva Fernandes
02-03-2022	02-03-2022	05-04-2022	06-04-2022