

Course Unit	Pharmacy Internship II		Field of study	Pharmacy	
Bachelor in	Pharmacy		School	School of Health	
Academic Year	2022/2023	Year of study	4	Level	1-4
Type	Semestral	Semester	2	ECTS credits	30.0
Code	9549-644-4201-00-22				
Workload (hours)	810	Contact hours	T -	TP -	PL -
			TC -	S -	E 420
			OT 60	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) Olívia Rodrigues Pereira, Cristiana Guimaraes Martins Midoes, Joana Cristina Mendes Martins Coelho, Luis Migue Fernandes Nascimento, Tania Cristina Sao Pedro Pires

Learning outcomes and competences

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

1. Develop and deepen their own knowledge and practices of the intervention of the Pharmacy Technician;
2. Demonstrate technical and scientific capacities in production technology, distribution, management and organization in pharmacy;
3. Demonstrate capacity for autonomy and rigor in technical implementation and ability to "develop" work efficiently;
4. Organize time and available resources in order to plan, implement and evaluate effective and efficient techniques and methods for the preparation, acquisition and distribution of medicines;
5. Integrating the work teams in accordance with their respective powers and duties, contributing to the welfare of the team work that is integrated, as well as actual profitability of the work;
6. Demonstrate relationship attitudes with professionals and users, leading to social relations necessary for the exercise of the profession;
7. Help foster ethical conduct of their own profession; Apply standards of good professional practice.
8. Finish the investigation work in Pharmacy area and presentation of results.

Prerequisites

Not applicable

Course contents

A. Practice in Community Pharmacy: 1. Organization and documentation in Community Pharmacy; 2. Medicines and other health products; 3. Acquisition, reception and storage; 4. Accounting and management in pharmacy; 5. Interaction of pharmacy professional with patients; 6. Dispensing of drugs and other health products; 7. Health care provided in the pharmacy; 8. Drugs production. B. Development of a research work in Pharmacy

Course contents (extended version)

1. Practice in Community Pharmacy
 - 1. Organization and documentation in Community Pharmacy
 - 1. 1 Human resources and equipment; 1. 2 Legislation and Documentation in community pharmacy
 - 1. 2 Medicines and health products
 - 1. 3 Acquisition, reception and storage
 - 1. 4 Accounting and management in pharmacy
 - 1. 5 Interaction of pharmacy professional with patients
 - 1. 6 Dispensing of drugs and other health products
 - 1. 7 Health care provided in the pharmacy
 - 1. 8 Drugs production
2. Applied research in Pharmacy
 - 2. 1 Collection and processing of data
 - 2. 2 Organization, analysis and discussion of results
 - 2. 3 Preparation of the final work for future science communication

Recommended reading

1. Caramona, M. , Esteves, A. P. , Gonçalves, J. , Macedo, T. , Mendonça, J. , Osswald, W. et al. (2016). *Prontuário Terapêutico, INFARMED* <https://app10.infarmed.pt/prontuario/1a.php>
2. Hardman, J. G. , Limbird L. E. , Gilman A. G. (2003). *Goodman & Gilman-As Bases Farmacológicas da Terapêutica* (10ª ed). México: Mc Graw Hill.
3. Morgado, R. , Alves, C. , Prista, L. (2014). *Tecnologia Farmacêutica*. 8ª Ed. I, II, III Vol. Lisboa: Fundação Calouste Gulbenkian
4. Nascimento, L.M., Pereira, O., *Guia de Orientação de Estágio para Estudantes da Lic em Farmácia 2022-2023* (setembro de 2022). Escola Superior de Saúde do IPB
5. www.infarmed.pt; www.ema.europa.eu/ema/; www.dgs.pt; www.who.int/en/; www.fda.gov/

Teaching and learning methods

The development of activities in the profession of pharmacy technician is overseen by the advisor (professional training camp) towards the future Pharmacy Technician develop autonomously work. is also expected that the student develops an investigation, under professional guidance of the pharmacy area.

Assessment methods

- Alternative 1 - (Regular, Student Worker) (Final, Supplementary, Special)
 - Practical Work - 80%
 - Presentations - 20%

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Olívia Rodrigues Pereira	Luis Migue Fernandes Nascimento	Juliana Almeida de Souza	Adília Maria Pires da Silva Fernandes
11-11-2022	11-11-2022	28-02-2023	04-03-2023