

Course Unit	Pharmacotherapy I	Field of study	Pharmacy
Bachelor in	Pharmacy	School	School of Health
Academic Year	2022/2023	Year of study	3
Type	Semestral	Semester	1
Level	1-3	ECTS credits	5.0
Code	9549-644-3103-00-22		
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) Cristiana Guimaraes Martins Midoes, Olívia Rodrigues Pereira

Learning outcomes and competences

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

1. Identify and describe medicines according to the pharmacotherapeutic classification;
2. Identify pharmacological actions, collateral effects, interactions, careful use and posology of medicines;
3. Explain prescriptions;
4. Institute pharmaceutical counseling procedures in the scope of drugs, pathologies and symptoms studied

Prerequisites

Not applicable

Course contents

Medicines with action in central nervous system, with action in peripheral nervous system, Anti-infectious substances, Artificial nutrition and Medicines with veterinary use.

Course contents (extended version)

1. Introduction to Pharmacotherapy.
2. Medicines with action in the central nervous system
 - 2. 1. Anesthetics; 2. 2. Muscle relaxants; 2. 3. Neurodegenerative diseases
 - 2. 4. Anticonvulsants; 2. 5. Antiemetics and antiemetics; 2. 6. Psychopharmacology; 2. 7. Analgesics and antipyretics; 2. 8. Medicines used in migraine
3. Medicines with action in the autonomic nervous system
 - 3. 1. Sympathetic medicines; 3.2. Adrenergic blockers 3. 3. Sympathoplegic
 - 3. 4. Parasympathetic medicines and anticholinesterases 3. 5. Parasympatholytics
4. Antimicrobial agents
5. Artificial Nutrition
 - 5. 1. Enteric nutrition; 5. 2. Parenteral nutrition; 5. 3. Vitamins and minerals
6. Medicines of veterinary use

Recommended reading

1. Guimarães, S., Moura D., Silva, P. S. (2014) Terapêutica medicamentosa e suas bases farmacológicas. (6ª ed). Porto: Porto Editora
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. Rang, H. P., Dale M. M., Ritter J. M., Flower R. J., Henderson, G. (2011) RANG & DALE Farmacologia. (7ª ed). Rio de Janeiro: Elsevier
4. Walker, R., Whittlesea, C., Clinical pharmacy and therapeutics (2007), (4ª Ed) UK: Elsevier
5. www.infarmed.pt; www.dgs.pt; www.dgv.pt; <http://www.ema.europa.eu/ema/>; <https://www.fda.gov/>; <https://pubmed.ncbi.nlm.nih.gov/>

Teaching and learning methods

Theoretical-Practical Learning: Expositive method and participation of the students. The practical component consists of the resolution and discussion of practical factsheets, study and presentation of topics related to subject matter and simulation of care situations.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)
 - Intermediate Written Test - 35%
 - Intermediate Written Test - 35%
 - Work Discussion - 30%
2. Alternative 2 - (Student Worker) (Final)
 - Final Written Exam - 100%
3. Alternative 3 - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 100%

Language of instruction

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

Electronic validation

Cristiana Guimaraes Martins Midoes, 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