

Course Unit	Pharmacotherapy I	Field of study	-
Bachelor in	Pharmacy	School	School of Health
Academic Year	2023/2024	Year of study	2
Type	Semestral	Semester	2
Workload (hours)	135	Contact hours	T - , TP 45, PL 15, TC - , S - , E - , OT 7,5, O -
Level	1-2	ECTS credits	5.0
Code	9549-803-2202-00-23		

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) Eugenia Conceicao Morais dos Santos Baptista

Learning outcomes and competences

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

1. Identify and characterize medicines according to the pharmacotherapeutic classification
2. Identify the pharmacological actions, therapeutic indications, adverse reactions, interactions, precautions and dosage regimens of the drugs under study.
3. Interpret therapeutic prescriptions.
4. Evaluate the information provided by users (symptoms, disease characteristics) and set up counseling procedures for the drugs, pathologies, and symptoms studied.

Prerequisites

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

Course contents

Introduction to Pharmacotherapy. Anti-infective drugs. Drugs that act on the cardiovascular system. Drugs that act on the blood. Drugs acting on the locomotor system.

Course contents (extended version)

1. Introduction to Pharmacotherapy: General procedures for dispensing and counseling in MSRM & MNSRM.
2. Anti-infective agents: Antibacterials and Antituberculosis.
3. Anti-infective agents: Antifungals, antivirals, and antiparasitic agents.
4. Cardiovascular drugs: Cardiotonics, Antiarrhythmics, Sympathomimetics, Antihypertensives.
5. Cardiovascular drugs: Vasodilators, Venotropics, Antidyslipidaemics.
6. Blood drugs: Anti-anaemic drugs, Haematopoiesis stimulants.
7. Blood drugs: Antianemic, Anticoagulant and antithrombotic, Anti-haemorrhagic.
8. Non-steroidal anti-inflammatory drugs. Medicines used in rheumatic disease.
9. Medicines for the treatment of the drop. Medicines for the treatment of arthrosis.

Recommended reading

1. Goodman e Guilman, Alfred. (2007) "As bases farmacológicas da terapêutica". 11ª Edição . Mac GrawHill, Brasil.
2. Guimarães, S., Moura, D., Silva, P.S. (2014) "Terapêutica medicamentosa e suas bases farmacológicas". 6ª Edição , Porto Editora.
3. Cate whittlesea, Karen Hodson. (2019) "Clinical Pharmacy and Therapeutics". Sixth Edition, . Elsevier
4. Rang, H. P., Dale, M. M., Ritter, J. M., Flower, R. J., Henderson, G. (2011) "Rang & Dale Farmacologia". 7ª Edição, Rio de Janeiro: Elsevier
5. Craig, C. R., Stitzel, R. E., (2005) "Farmacologia Moderna com Aplicações Clínicas". 6ª Edição, Guanabara Koogan

Teaching and learning methods

The course will be taught using lectures and interactive classes with discussion and student participation in the learning process. Resolution of clinical cases, research work, and interpretation of medical prescriptions, applying the content learned. Simulations of concrete situations in the pharmacy, applying the groups of drugs under study. Determination of biochemical parameters.

Assessment methods

1. Two tests during the semester - (Regular, Student Worker) (Final)
 - Intermediate Written Test - 40%
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 - Practical Work - 20% (Problem-solving and practical cases.)
2. Final exam - (Student Worker) (Final)
 - Final Written Exam - 100% (For working students who cannot attend the tests.)
3. Final exam - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 100% (For each that have negative in the two tests during the semester)

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Eugenia Conceicao Morais dos Santos Baptista	Olívia Rodrigues Pereira	Luis Migue Fernandes Nascimento	Adília Maria Pires da Silva Fernandes
12-06-2024	17-06-2024	17-06-2024	18-06-2024