

Course Unit	Pharmacology II	Field of study	Biology and Biochemistry
Bachelor in	Pharmacy	School	School of Health
Academic Year	2022/2023	Year of study	2
Type	Semestral	Semester	2
Workload (hours)	135	Contact hours	T - , TP 60, PL - , TC - , S - , E - , OT 7,5, O -
Level	1-2	ECTS credits	5.0
Code	9549-644-2202-00-22		

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. Define and understand concepts of the study of the medicines, the effects of the medicines in the organism and the effects of the organism medicines.
2. To identify factors that influence the answer of the organism when it was determined. To understand the importance of the dosage in the medicament therapeutics.
3. To know the mechanisms of acting for each pharmaceutical group. Understand the principals adverse reactions and interactions of the diferent pharmaceutical groups.

#### Prerequisites

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

#### Course contents

Medicines that act in patogenic diseases. Medicines that act in the Cardiovascular System. Medicines that act in the blood. Anti-inflammatory not steroids. Medicines used for the treatment of the drop. Medicines for the treatment of the arthritis. Medicines that act in the Endocrinologic System.

#### Course contents (extended version)

1. Anti-infectious agentes: Anti-phungic, anti-viral and anti-parasitary.
2. Medicines in Cardiovascular System: For coronary heart disease. Antiarrhythmical, antihypertention.
3. Medicines in Cardiovascular System: for Chronic heart failure, Medicines for dyslipidaemia.
4. Medicines that act in the blood: Antianaemic, Anticoagulation and antithrombosis anti-hemorrhages.
5. Anti-inflammatory not steroids Medicines used for the treatment of the drop.
6. Medicines for arthritis.
7. Hormones and Medicines in endocrinous diseases: Corticosteroids Hormones of the Thyroid.
8. Hormones and Medicines in endocrinous diseases: Insulin, oral antidiabetics and glucagon.

#### Recommended reading

1. Goodman e Guilman, Alfred. (2003) "As bases farmacológicas da terapêutica". 10ª Edição . Mac GrawHill, Brasil.
2. Osswald, W. Garret, J. Guimarães, S. (1994) "Terapêutica medicamentosa e suas bases farmacológicas". 3ª Edição , Porto Editora.
3. Robert Porter, Mark H. Beers, Andrew J. Fletcher. (2008) "Manual Merck de Informação Médica". 1ª Edição , Merck Sharp e Dom. Editora Oceano.
4. Roger Walker, Cate whittlesea. (2007) "Clinical Pharmacy and Therapeutics". Fourth Edition, . Churchill Livingstone
5. Page Curtis, Sutter, Walter, Hoffman. (2004) "Farmacologia integrada" 2ª Edição . Editora Manole.

#### Teaching and learning methods

Active methodologies with resource to situations problem.

#### Assessment methods

1. Two tests during the semester - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 100% (Media of two tests)
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	Ana Maria Nunes Português Galvão	Adília Maria Pires da Silva Fernandes
27-03-2023	27-03-2023	28-03-2023	28-03-2023