

Course Unit	Pharmacotherapy III	Field of study	-		
Bachelor in	Pharmacy	School	School of Health		
Academic Year	2023/2024	Year of study	3	Level	1-3
Type	Semestral	Semester	2	Code	9549-803-3201-00-23
Workload (hours)	108	Contact hours	T -	TP 37,5	PL 15
			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) Maria Jose Ferreira Gomes Genesio, 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. Assess information provided by the user (symptoms, characteristic of the disease) and establish counseling in the context of drugs, pathologies and symptoms studied

### Prerequisites

Before the course unit the learner is expected to be able to:  
Not applied

### Course contents

Hormones and Medicines that act on the endocrine system, Medicines that act on the digestive system, Medicines that act on the respiratory system, Anti-allergy medicines,  
Medicines with action on the genitourinary system, Antineoplastics and immunomodulators,  
Vaccines and Immunoglobulins,  
Diagnostic means,  
Dressing material, local hemostatics, medicinal gases  
and other products

### Course contents (extended version)

1. Hormones and medicines with action in the endocrine system
  - 1. 1. Hypothalamus and pituitary 1. 2. Supra-renal gland 1. 3. Thyroid and Parathyroid
  - 1. 4. Medicines in calcium metabolism
  - 1. 5. Insulins, antidiabetics and glucagon 1. 6. Sexual hormones
  - 1. 7. Ovulation stimulants and gonadotropins 1. 8. Antihormones
2. Medicines with action in the digestive system
  - 2. 1. Antiacids and antidiarrheals 2. 2. Gastrokinetics 2. 3. Laxatives
  - 2. 4. Antidiarrhea agents 2. 5. Digestive enzymes substitutes
3. Medicines with action in the respiratory system
  - 3. 1. Antiasmatics 3. 2. Fluidificants and antitussives 3. 3. Surfactants
4. Anti-allergy medication
5. Medicines with action in the genitourinary system
  - 5. 1. Anti-infectious and urinary anti-septics 5. 2. Agents that modify de urin ph
  - 5. 3. Medicines for uterus
6. Antineoplastics and Immunomodulators
  - 6. 1. New Cytotoxic drugs 6. 2. Interferons
7. Vaccines and others
8. Diagnostic products
9. Dressing material, local hemostatics, medical gases  
and other products

### Recommended reading

1. Guimarães, S. , Moura D. , Silva, P. S. (2006) Terapêutica medicamentosa e suas bases farmacológicas. (5ª 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. (2007) Clinical pharmacy and therapeutics (4ª ed) UK: Elsevier
5. www. infarmed. pt; www. dgs. pt; www. dgv. pt; www. ema. europa. eu/ema/; www. fda. gov/

### Teaching and learning methods

Theoretical-Practical Learning: Expositive method with participation of the students

### Assessment methods

1. Theoretical and Practical (F) - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 40% (The student must obtain at least 8, 0 values in the average of the written intermediate tests)
  - Intermediate Written Test - 40% (The student must obtain at least 8, 0 values in the average of the written intermediate tests)
  - Practical Work - 20% (Problem solving and practical cases; Research work on classroom themes)
2. Theoretical and Practical (T-F) - (Student Worker) (Final)
  - Final Written Exam - 100%
3. Theoretical and Practical (R, E) - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100%
4. Theoretical and Practical (Erasmus Students) - (Regular, Student Worker) (Final, Supplementary, Special)
  - Development Topics - 100% (A review article in the area of pharmacotherapy III)

**Language of instruction**

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

**Electronic validation**

Maria Jose Ferreira Gomes Genesio, Olivia Rodrigues Pereira	Isabel Cristina Jornalo Freire Pinto	Luis Migue Fernandes Nascimento	Adília Maria Pires da Silva Fernandes
09-04-2024	17-04-2024	17-04-2024	22-04-2024