

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	ECTS credits	4.0
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. Antacids and antulcers 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. Fluidifiants and antitussics 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. dgu. 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			
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09-04-2024	17-04-2024	17-04-2024	22-04-2024

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