

Course Unit	Pharmacotherapy II		Field of study	Pharmacy	
Bachelor in	Pharmacy		School	School of Health	
Academic Year	2021/2022	Year of study	3	Level	1-3
Type	Semestral	Semester	2	ECTS credits	5.0
Code	9549-644-3204-00-21				
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) Maria Jose Ferreira Gomes Genesio

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

Medicines with action in the: endocrine system, digestive system, respiratory system, cardiovascular system, muscle system, genitourinary system. Antineoplastic and immunomodulator agents, Vaccines, smoking treatments.

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
2. Medicines with action in the digestive system
 - 2.1. Antiacids and antiulcers 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 antitussives 3.3. Surfactants
4. Hypertension treatments
5. Medicines with action in the muscle skeletal system
6. Medicines with action in the genitourinary system
 - 6.1. Anti-infectious and urinary anti-septics 6.2. Agents that modify de urin ph
 - 6.3. Medicines for uterus
7. Antineoplastics and Immunomodulators
 - 7.1. New Cytotoxic drugs 7.2. Interferons
8. Vaccines and others
9. Smoking treatments

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)
 - Work Discussion - 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 II)

Language of instruction

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

Electronic validation

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18-03-2022	19-03-2022	05-04-2022