

Course Unit	Counseling in Pharmacy II	Field of study	Pharmacy
	Counseling and Information on Pharmacy	School	School of Health
Academic Year	2014/2015	Year of study	1
Type	Semestral	Semester	2
Workload (hours)	432	Contact hours	T - TP 100 PL - TC - S - E - OT - O -
		Level	ECTS credits 16.0
		Code	3238-493-1201-00-14

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) Isabel Cristina Jornalo Freire Pinto

#### Learning outcomes and competences

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

1. Recognize precautions and contraindications of therapy
2. Identify what dosage and takes care
3. Identify foods and medicines that should not be taken during treatment
4. Analyze the expected duration of treatment according to medical indication and/ or planned for the medication (in case of a medicinal product not subject to medical prescription)
5. Distinguishing signs and symptoms that require stopping treatment and consult a doctor
6. Analyze the impact of strategies in drug therapy goals
7. Making proper counseling and responsible medicines and health products
8. Develop strategies to promote adherence to therapy 9. Discuss therapeutic strategies

#### Prerequisites

Before the course unit the learner is expected to be able to:  
Knowledge of Pharmacology, Pharmacotherapy

#### Course contents

Band-Aid Material; New Distribution Systems; Palliative Pharmacotherapy; Antineoplastic Agents; Orphan medicines and outpatient distribution; Contrast agents and radiopharmaceuticals; Pharmacovigilance; Pharmacogenomics; Clinical trials; Final work

#### Course contents (extended version)

1. Band-Aid Material (12 hours)
2. New Distribution Systems (8 hours)
3. Palliative Pharmacotherapy (12 hours)
4. Antineoplastic Agents (12 hours)
5. Orphan medicines and outpatient distribution (8 hours)
6. Contrast agents and radiopharmaceuticals (8 hours)
7. Pharmacovigilance (8 hours)
8. Pharmacogenomics (16 hours)
9. Clinical trials (4 hours)
10. Final work (12 hours)

#### Recommended reading

1. Brunton L, Lazo J, Parker K (2005) Goodman and Gilman's – The Pharmacological basis of therapeutics. 11ª Edição. McGraw-Hill.
2. DiPiro, J, Talbert, R., Yee, G; et al. (2008). Pharmacotherapy: a pathophysiologic approach, 7ª Edição. McGraw-Hill.
3. Guimarães, S; Moura, D; da Silva, P. (2006). Terapêutica Medicamentosa e suas bases farmacológicas, 5ª Edição. Porto: Porto Editora.
4. Soares, Maria Augusta (2002) Medicamentos Não Prescritos. Aconselhamento Farmacêutico. 2.ª Edição. Publicações Farmácia Portuguesa.
5. Legislação nacional e comunitária 6. Artigos científicos sobre as diversas temáticas abordadas (Disponíveis em [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov).)

#### Teaching and learning methods

Expository, fostering critical thinking of students. Part of the class will work on a system of e-learning.

#### Assessment methods

- Unique alternative - (Regular, Student Worker) (Final, Supplementary, Special)
  - Final Written Exam - 50% (Applies minimum score as the ESSA's Pedagogical Rules)
  - Practical Work - 50% (Pre-design research in the form of poster. Applies minimum score as the ESSA's Pedagogical Rules)

#### Language of instruction

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

#### Electronic validation

Isabel Cristina Jornalo Freire Pinto	Olívia Rodrigues Pereira	Maria Helena Pimentel
08-01-2015	08-01-2015	09-01-2015