



Universitat de Lleida

DEGREE CURRICULUM
**PHYSIOLOGICAL AND
PHARMACOLOGICAL BASIS
FOR THE USE AND THE
ADMINISTRATION OF DRUGS**

Coordination: IBARZ ESCUER, MARIA MERCEDES

Academic year 2022-23

Subject's general information

Subject name	PHYSIOLOGICAL AND PHARMACOLOGICAL BASIS FOR THE USE AND THE ADMINISTRATION OF DRUGS			
Code	100452			
Semester	1st Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Nursing	2	COMMON/CORE	Attendance-based
	Double bachelor's degree: Degree in Nursing and Degree in Physiotherapy	2	COMMON/CORE	Attendance-based
	Grau en Infermeria (R 2016 - lg)	2	COMMON/CORE	Attendance-based
Course number of credits (ECTS)	6			
Type of activity, credits, and groups	Activity type	PRAULA		TEORIA
	Number of credits	3		3
	Number of groups	5		2
Coordination	IBARZ ESCUER, MARIA MERCEDES			
Department	NURSING AND PHYSIOTHERAPY			
Important information on data processing	Consult this link for more information.			
Language	Catalan			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
CARRASCO IGNES, SONIA	sonia.carrasco@udl.cat	4,5	
CASANOVAS MARFA, MAR	mar.casanovas@udl.cat	9	
IBARZ ESCUER, MARIA MERCEDES	merce.ibarz@udl.cat	3,5	
SOLIS VIDAL, SILVIA	silvia.solis@udl.cat	4	

Learning objectives

Students will be able to

- List the basic elements to be used in the evaluation of a drug.
- Identify the different groups of drugs, the principles of their authorization, use and indication, and the mechanisms of action of the same.
- Instruct the patient and / or relatives about the correct way to obtain a maximum efficacy of a drug.
- Identify the valuation elements for the prescription of a drug or product according to the need of the patient / user.
- Describe the medications by evaluating the expected benefits and the associated risks and / or effects derived from its administration and consumption.
- Use the sources of information in pharmacology and how to use them.

Methodology

Teaching methodologies:

1. Master classes.
2. Seminars.
3. Group work.
4. Individual work.
5. Written work.
6. Case study.

Development plan

The classes are structured in theoretical and practical sessions, as well as the study of clinical cases in a group and / or individual way.

The detailed schedule will be delivered to the students at the beginning of the academic year.

Evaluation

Continuous assessment:						
Activity	Description	%	Character	Accomplishment	Dates	Observations
Multiple choice exam	50 multiple choice questions, only one option correct .	50	Mandatory	Individual	Exam period	Erroneous answers subtract 0.25 points < 50 % = 0 punts Theoretical questions and seminars will be included.
On line evaluation	Multiple choice test.	20	Mandatory	Individual	Assigned school term	Erroneous answers subtract 0.5 points. Virtual campus
Active attendance to seminars.	Active attendance	10	Mandatory	Individual	Assigned school term	Minimum attendance 80% seminars, and Active participation in debates (5%) and other activities (5%) Presential and/or Virtual campus
Clinical cases	Clinical problems resolution	10	Mandatory	Individual	At the end of Module 3 and 4	Cases of: dosage, calculation of prescribed dosage, prescription, medication errors, therapeutic compliance and conciliation. Eliminatory with a mark higher than 5/10. Presential and/or Virtual campus
Synthesis exercise	Application of the knowledge acquired to the polymedicated patient.	10	Mandatory	Group	At the end of Module 2	Virtual campus

Alternative assessment:

In order to facilitate the student to be able to combine study with work activities, the student who wishes to resign shall be entitled to continuous assessment at the beginning of the course.

This alternative assessment will consist in a final exam, the same day corresponding to continuous assessment. First part exam with 50 multiple choice questions (erroneous answers subtract 0.25 points) worth 5 points and second part with five open questions including clinical cases (5 points).

ABSENCE JUSTIFICATION OF THEORETICAL-PRACTICAL SUBJECTS

In relation to absence justifications, the reasons for which the absence is considered to be justified, will be the same as those stated in the Regulations for Assessment and Qualification of Teaching in Degrees and Masters at the UdL for failure to attend the assessment tests scheduled in the teaching guide or on the degree website.

For the rest of situations derived from health, personal or family problems, the student will be allowed to change the day and recover the seminar during the week, if possible.

Justification or absence requests that entail failure to appear for an evaluation test must be submitted on the same absence day. The rest absence justifications must be submitted within the following 10 days.

In general, the student will only be excused the absence, but not the lack of compliance with their academic commitments.

Bibliography

Books:

- Castells S, Hernández M. Farmacología en enfermería. 3^a ed. Barcelona: Elsevier; 2012
- Lorenzo P, Moreno A, Leza JC, Lizasoain I, Moro MA, Portlés A, Velázquez. Manual de Farmacología básica y clínica. 19^a ed. Madrid Panamericana; 2018.
- Mosquera JM, Galdós P. Farmacología clínica para enfermería. 4^a ed. Madrid: McGraw-Hill Interamericana; 2005.
- Goodman LS, Gilman AG. Las bases farmacológicas de la terapéutica. Madrid: McGraw-Hill; 2012.
- Flórez J, Armijo JA, Mediavilla A, directors. Farmacología humana. 6^a ed. Barcelona: Elsevier Masson; 2014
- Rang HP et al. Farmacología. 8^a edición. Barcelona: Elsevier; 2016
- Hopfer J and Hazard A. Guía farmacológica para profesionales de enfermería. 10^a ed. McGrawHill; 2008.
- Zabalegui A, Lombraña M. Administración de medicamentos y cálculo de dosis. 2^a ed. Barcelona: Elsevier Masson; 2014.

Web references:

Available in SAKAI.