

**Información del Plan Docente**

Academic Year	2016/17
Academic center	104 - Facultad de Medicina
Degree	304 - Degree in Medicine
ECTS	9.0
Course	3
Period	Second semester
Subject Type	Compulsory
Module	---

**1.Basic info****1.1.Recommendations to take this course****1.2.Activities and key dates for the course****2.Initiation****2.1.Learning outcomes that define the subject****2.2.Introduction****3.Context and competences****3.1.Goals****3.2.Context and meaning of the subject in the degree****3.3.Competences****3.4.Importance of learning outcomes****4.Evaluation****5.Activities and resources****5.1.General methodological presentation****5.2.Learning activities****5.3.Program**

PROGRAM:

**1. DERMATOLOGY:**

Theoretical Lessons:

	CONTENTS	HOURS
<b>1.1 INTRODUCTION TO THE DERMATOLOGY</b>	<ul style="list-style-type: none"> <li>• Nomenclature of Skin Lesions: Primary and secondary clinical lesions.</li> <li>• Dermatopathology: The Basics.</li> </ul>	1,25 hours
<b>1.2 INFECTIOUS SKIN DISEASES.</b>	<ul style="list-style-type: none"> <li>• Bacterial infections of the skin.</li> <li>• Mycobacterial infections.</li> <li>• Mucocutaneous mycoses.</li> <li>• Dermatoses of viral origin.</li> <li>• Parasitic skin diseases.</li> </ul>	3,5 hours
<b>1.3. SEXUALLY TRANSMITTED DISEASES.</b>	<ul style="list-style-type: none"> <li>• Syphilis .</li> <li>• Chancroid .</li> <li>• Urethritis .</li> <li>• Lymphogranuloma venereum</li> <li>• Other Sexually Transmitted Diseases</li> <li>• Cutaneous manifestations of AIDS.</li> </ul>	1,5 hours
<b>1.4. CUTANEOUS, MUCOSAL AND ADNEXAL DISEASES PART (I).</b>	<ul style="list-style-type: none"> <li>• Psoriasis and other disorders of keratinization.</li> <li>• Lichen ruber planus.</li> <li>• Pityriasis Rosea.</li> <li>• Eczema . Contact dermatitis. Atopic dermatitis. Seborrheic dermatitis.</li> <li>• Bullous Diseases</li> </ul>	4 hours
<b>1.5 CUTANEOUS, MUCOSAL AND ADNEXAL DISEASES PART (II)</b>	<ul style="list-style-type: none"> <li>• Urticaria.</li> <li>• Erythema multiformis.</li> <li>• Adverse Drug Reactions.</li> <li>• Pigmentation disorders.</li> <li>• Acne. Rosacea. Alopecia.</li> </ul>	3 hours

	<ul style="list-style-type: none"> <li>• Genodermatoses.</li> <li>• Vasculitis. Paniculitis.</li> <li>• Connective diseases: Lupus eritematosus. Scleroderma. Dermatomyositis.</li> <li>• Cutaneous signs of systemic endocrine and metabolic disorders.</li> </ul>	
<b>1.6 DERMATOLOGY AND INTERNAL MEDICINE.</b>		3 hours

  

	<ul style="list-style-type: none"> <li>• Benign skin tumours.</li> <li>• Benign and malignant melanocytic skin tumours.</li> <li>• Epithelial skin cancer.</li> <li>• Vascular tumours.</li> <li>• Cutaneous lymphomas.</li> <li>• Histiocytoses.</li> <li>• Mastocytoses.</li> </ul>	
<b>1.7 ONCOLOGY</b>		4 hours

Group work: during the six months, the students divided into 12 groups (as planning semester) tutored undertake tasks according to the following plan:

- Presential activities in clinical and hospitalary dependences.
- Workshops: Classroom activities with active student participation.
- Tasks: Solving problems of dermatological clinical cases.
- Delivery of the Portfolio document in print and digital format.
- Incorporation of materials made to the website dermatologia.unizar.es and ADD are considered elements of consultation for all components of the course.

## 2. IMMUNOPATHOLOGY:

Theoretical classes

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1. The immune system. Structure and organization of the immune system. Immune system components. Organs, cells, immune system genes. Antigens.
2. Immune System Cells
3. Antigens. Immunoglobulins. Structure
4. Immunoglobulins. Function
5. Cytokines. Adhesion molecules. Ligands. Chemokines. Receptors
6. Immune response. HLA system. Presentation of antigens
7. Cell response. T lymphocytes
8. Cellular response. Lymphocytes B.
9. cytotoxic response. Cytotoxic lymphocytes. NK
10. Immune tolerance. The regulation of the immune response. Development, evolution and aging of the immune system.

Workshops: This is a classroom activity with active student participation. At the end of the activity will require making a reflective sheet on the workshop conducted.

Contents:

Immunology Laboratory

Allergies

Autoimmune Diseases"

Group work: during the six months, the students divided into 12 groups (as planning semester) tutored undertake tasks according to the following plan:

- Assignment of a case problem for each group.
- Tasks: will be developed around a clinical problem and require prior student work to improve their participation in the meetings and thus active learning. The activity is based on group discussion regarding the case to prepare the presentation with PPT and memory of the appointed day activities. Knowledge need to be revised for discussion and deepen the knowledge of specific aspects for a written document that improves the understanding of the problem and in which clinical reasoning with the current bibliography is presented.
- Delivery of the document in print and digital format, the large group presentation by one of the members of the group.
- Incorporation of materials made to the website of the subject in ADD and are considered elements of consultation for all components of the course.

### 3.TOXICOLOGY:

Theoretical classes (12 hours):

#### GENERAL TOXICOLOGY

- Concept and evolution of Clinical Toxicology
- Toxicokinetic and Toxicodynamic processes
- Etiology and Epidemiological profile of acute poisoning
- Clinic and Diagnostic tools of acute poisoning
- General treatment of acute poisoning

ESPECIAL TOXICOLOGY: Acute poisoning diagnosis and management by agents or families

- Drugs of abuse
- Psychoactive, analgesic, and antiarrhythmic medicines
- Irritant and toxic gases
- Pesticides
- Domestic products
- Toxins

Tasks (8 hours): will be developed around a clinical problem and require prior student work to improve their participation in the meetings and thus active learning

Lab practices (5 hours): Learning techniques used in the toxicology laboratory

### **5.4.Planning and scheduling**

## 5.5.Bibliography and recommended resources

### BIBLIOGRAPHY:

- BB [Dermatología] - Bolognia, Jean L.  
Dermatology. 3<sup>a</sup> ed. - Elsevier: 2013
- BB [Dermatología] - Dermatología clínica / director-editor, Carlos Ferrández . 4<sup>a</sup> ed. Ámsterdam ; Barcelona ; Madrid [etc.] : Elsevier, D.L. 2014
- BB [Dermatología] - Manual de dermatología / [directores], Julián Conejo Mir, José Carlos Moreno, Francisco M. Camacho . Madrid : Aula Médica, D.L. 2010
- BB [Dermatología] - Manual de dermatología y venereología : atlas y texto / [editor], J. J. Vilata Corell ; [ prólogo, Francisco J. Carapeto] . Buenos Aires [etc.] : Editorial Médica Panamericana, D.L. 2008
- BB [Dermatología] - Wolff, Klaus. Atlas en color y sinopsis de dermatología clínica / Klaus Wolff, Richard Allen Johnson. 6<sup>a</sup> ed. Buenos Aires ; Madrid [etc.] : Médica Panamericana, D.L. 2010 [Precede al tít: Fitzpatrick]
- BB [Inmunopatología] - Gorczynski, Reginald. Inmunología basada en la resolución de problemas / Reginald Gorczynski, Jacqueline Stanley ; [traducción, Ana Zapatero Villar ; revisión científica, Manel Juan Otero, Teresa Gallart i Gallart] . [1<sup>a</sup> ed.] Amsterdam ; Barcelona ; Madrid [etc.] : Elsevier, D.L. 2007
- BB [Inmunopatología] - Immunología : fundamentos[Prec. al tít: Roitt] / Peter J. Delves ... [et al.. 12<sup>a</sup> ed. Buenos Aires ; Madrid [etc.] : Editorial Médica Panamericana, cop. 2014
- BB [Inmunopatología] - Medicina interna [18<sup>a</sup> ed.] / fundado por A. von Domarus ; continuado por P. Farreras Valentí ; director (desde 1968) C. Rozman ; subdirector (desde 2003), F. Cardellach López . - 18<sup>a</sup> ed. Barcelona : Elsevier, 2016
- BB [Toxicología] - Dreisbach, Robert H.. Manual de toxicología clínica : prevención, diagnóstico y tratamiento / Robert H. Dreisbach, William O. Robertson . 6a ed. México : El Manual Moderno, 1988
- BB [Toxicología] - Estudiando toxicología a través de preguntas objetivas : (tipo test) / coordinadores, Ana M<sup>a</sup> Cameán Fernández ...[et al.] ; colaboradores, Daniel Gutiérrez Praena . 2<sup>a</sup> ed. Sevilla :

## 26771 - Dermatology, Immunopathology and Toxicology

	Universidad de Sevilla, 2010 [Toxicología] - Harris, Carson R.. Manual de toxicología para médicos / Carson R. Harris ; [revisión científica, Ana Ferrer Dufol] . [1ª ed., reimpr.] Amsterdam ; Barcelona ; Madrid : Elsevier Masson, D.L. 2010
<b>BB</b>	[Toxicología] - Klaassen, Curtis D.. Fundamentos de toxicología / Curtis D. Klaassen y John B. Watkins . Madrid [etc.] : McGraw-Hill Interamericana, D.L. 2005
<b>BB</b>	[Toxicología] - Manual de toxicología básica / Emilio Mencías Rodríguez, Luis Manuel Mayero Franco (editores) . Madrid : Díaz de Santos, D. L. 2000
<b>BB</b>	[Toxicología] - Marruecos, Luis. Toxicología clínica / Luis Marruecos, Santiago Nogué, Joan Nolla ; prólogo de C. Rozman . Barcelona [etc] : Springer-Verlag Ibérica, 1993
<b>BB</b>	[Toxicología] - Repetto Jiménez, Manuel. Toxicología fundamental / Manuel Repetto Jiménez, Guillermo Repetto Kuhn . 4ª ed. Madrid : Díaz de Santos, D.L. 2009
<b>BB</b>	[Toxicología] - Sanz Gallén, Pere. Atlas de toxicología clínica y laboral / Pere Sanz Gallén , Santiago Nogué Xarau ; contribuciones, Pere Munné... [et al.] . [1a. ed.] Barcelona : Edicions UPC (Universitat Politecnica de Catalunya) : Mutua Universal, 2001
<b>BB</b>	[Toxicología] - Teresa Galván, Fernando de. Farmacología y toxicología / [Fernando de Teresa Galván ; colaboradores, Ana Belén Ortega López, Miguel Rojas Sierra] . [Pontevedra] : AulaMIR.com, D.L. 2007
<b>BB</b>	[Toxicología] - Toxicología clínica / Ramón Bataller Sifre, ed. ; José V. Balaguer Martínez ... [et al.] . València : Universitat de València, 2004

### LISTADO DE URLs:

#### DERMATOLOGIA.

- <http://dermatologia.unizar.es>
- <http://dermatoweb.udl.es/>
- <http://www.dermweb.com/>

## **26771 - Dermatology, Immunopathology and Toxicology**

### **TOXICOLOGIA**

Fundacion Española de Toxicología -  
[<http://www.fetoc.es>]  
CD-Rom de formación en Toxicología  
Clínica -  
[<http://wzar.unizar.es/stc/toxicologianet/index.htm>]  
Portal de búsqueda de información  
toxicológica - [<http://busca-tox.com>]

Protocolos de tratamiento -  
[<http://wzar.unizar.es/stc/actividades/protocolos.html>]