

Clinical Microbiology and Parasitology

(Last update: 09/05/2018)

(Approved by the Department of Parasitology: 11/04/2018)

(Approved by the Department of Microbiology: 09/05/2018)

MODULE	CONTENT	YEAR	TERM	CREDITS	TYPE
5. Medicine and Pharmacology	Clinical Microbiology and Parasitology	3 rd	2 nd	6 ECTS (3 theory+ 3 practice)	Obligatory
LECTURERS			Postal address, telephone n°, e-mail address		
<p><i>Part I. Clinical Microbiology</i></p> <ol style="list-style-type: none"> Carmen M^a González Domenech (Groups D and E) María M. Jiménez Valera (Groups C and E) Belén Juárez Jiménez (Group A) Alfonso Ruiz-Bravo López (Group C) Contracted teacher 1 (Groups B and D) <p><i>Part II. Clinical Parasitology</i></p> <ol style="list-style-type: none"> Luis E. Hueli Amador (Groups A and C) Joaquina Martín Sánchez (Groups D and E) Francisco Morillas Márquez (Group B) 			<p><i>Department of Microbiology, 4th floor. Faculty of Pharmacy. University of Granada.</i></p> <ol style="list-style-type: none"> 958244113 cmgodo@ugr.es 958240787. mjvalera@ugr.es 958242980. belenjj@ugr.es 958243873. aruizbr@ugr.es To be announced <p><i>Department of Parasitology, 4th floor. Faculty of Pharmacy. University of Granada.</i></p> <ol style="list-style-type: none"> 958243860. lhueli@ugr.es 958242094. joaquina@ugr.es 958249566. fmorilla@ugr.es 		
DEGREE WITHIN WHICH THE SUBJECT IS TAUGHT					
Degree in Pharmacy					
PREREQUISITES and/or RECOMMENDATIONS (if necessary)					
Having studied and passed the following subjects: Microbiology I and II, and Parasitology. Basic knowledge about Immunology, Human Anatomy and Cellular and Human Physiology.					
BRIEF ACCOUNT OF THE SUBJECT PROGRAMME (ACCORDING TO THE DEGREE)					
Introduction to laboratory diagnosis of infectious and parasitic diseases. Part I: Clinical Microbiology: The most important infectious diseases mainly caused by bacteria. Identification of pathogenic microorganisms and determination of their susceptibility against antimicrobial compounds. Part II: Clinical Parasitology: Identification of human parasites.					
GENERAL AND PARTICULAR ABILITIES					
A. <i>Generic and basic competences:</i> CG6, CG9, CG10, CG12, CG13, CG15, CB1, CB2, CB3, CB4, CB5.					



B. Transversal competences: CT2.

C. Specific competences: CE36, CE37, CE38, CE41, CE42, CE47, CE49.

OBJECTIVES (EXPRESSED IN TERMS OF EXPECTED RESULTS OF THE TEACHING PROGRAMME)

- 1.-To understand the laboratory role in the diagnosis of infectious and parasitic diseases.
- 2.-To gain knowledge and handling in samples collection, preservation and laboratory processing with the aim of performing a microbial and parasitological diagnosis.
- 3.-To identify pathogenic bacteria and parasites by mean of laboratory tests.
- 4.-To determine the susceptibility of pathogenic bacteria to different antimicrobial compounds.
- 5.-To generate laboratory reports with the results of bacterial and parasitological diagnosis tests.

READING

Microbiology

- Ausina, V, Moreno, S. 2006. Tratado SEIMC de Enfermedades Infecciosas y Microbiología Clínica. Editorial Médica Panamericana, Buenos Aires.
- De La Rosa, M, Prieto, J. (Eds). 2003. Microbiología en Ciencias de la Salud. Concepto y Aplicaciones. Elsevier, Madrid.
- Forbes, BA, Sahm, DF, Weissfeld, AS. 2009. Bailey & Scott. Diagnostico Microbiológico. Editorial Médica Panamericana, Buenos Aires.
- Prats, G. 2013. Microbiología clínica. Editorial Médica Panamericana, Buenos Aires.
- Struthers, JK, Westran, R.P. 2003. Clinical Bacteriology. ASM Press, Washington.

Parasitology

- Beaver, PC, Jung, RC, Cupp, EW. 2003. Parasitología Clínica de Craig y Faust. 3rd ed. rev. Masson (México).
- Becerril Flores, MA, Romero Cabello, R. 2004. Parasitología médica. De las moléculas a la enfermedad. McGraw-Hill, México.
- Bogitsh, B, Cheng, TC. 1998. Human Parasitology. 2nd ed. San Diego, Academic Press.
- Cordero Del Campillo, M, Rojo Vázquez, FA. 1999. Parasitología Veterinaria. MacGraw-Hill Interamericana de España.
- Cordero Del Campillo, M, Rojo Vázquez, FA. 2007. Parasitología General. Edit. MacGraw Hill Interamericana.
- Diccionario Terminológico de Ciencias Médicas, 1992. 13th ed. Elsevier-Masson Editores, S.A.
- Real Academia Española, 2001. Diccionario de la Lengua Española. 22nd edición online. <http://lema.rae.es/drae/>
- Roberts, LS, Janovy, J, Jr. 2005. Gerald D. Schmidt & Larry Roberts' Foundations of Parasitology. 7th ed. McGraw-Hill.

RECOMMENDED INTERNET LINKS

- The Spanish Society of Infectious Diseases and Clinical Microbiology: www.seimc.org
- The Spanish Society of Microbiology: www.semicrobiologia.org
- The American Society for Microbiology: www.asm.org
- The American Society for Parasitologists: <http://amsocparasit.org>
- The Microbiology Society: www.sgm.ac.uk
- The Andalusian Society for Clinical Microbiology and Parasitology: www.sampac.es
- The Spanish Society of Tropical Medicine and International Health: <http://www.semetsi.es/>
- Laboratory identification of Parasites of Public Health Concern (within CDC webpage): www.dpd.cdc.gov/dpdx/
- World Health Organization: www.who.int/es/index.html
- Tropical diseases site (within WHO webpage): http://www.who.int/topics/tropical_diseases/es/
- Microbiology and Immunology on-line: <http://www.microbiologybook.org/book/parasit-sta.htm>
- Web compendium about Parasitology: <http://www.ugr.es/~parasito/otros%20enlaces.html>
- The World Wide Web Virtual Library: Parasitology: <http://www.diplectanum.talktalk.net/purls/>

