



PRESENTACIÓN

Breve descripción:

The aim of this course is that students may acquire knowledge of international and global health.

- **Titulación:** Grado de Medicina
- **Módulo/Materia:** Módulo VI
- **ECTS:** 3
- **Curso, semestre:** 3º-6º. 3rd bimester (2nd semester)
- **Carácter:** Optativa
- **Profesorado:** Prof. Paul Nguewa (panguewa@unav.es)
- **Idioma:** English, Spanish
- **Aula:** Aula 15 Bibliotecas
- **Horario:** Thursday, 15h-17h. From January 11th to April 11th.
- **Examen:** April 25th. Thursday, 15h-17h.

COMPETENCIAS

BASIC COMPETENCIES

CB1 – That students have shown themselves to possess and understand knowledge in an area of study that develops from general secondary education, and is usually at a level that, although requiring advanced textbooks, also includes some aspects that imply knowledge from the forefront of their field of study.

CB5 – That students have developed the learning skills necessary to carry out further study with a high level of autonomy.

GENERAL COMPETENCIES

CG3 – To know how to apply the principle of social justice to professional practice and to understand the ethical implications of health in the context of a world undergoing transformation.

CG4 – To develop professional practice with respect to autonomy of the patient and to a patient's beliefs and culture.

CG9 – To understand and recognize the effects, mechanisms and manifestations of disease on the structure and function of the human body.

CG10 – To understand and recognize the causative agents and the risk factors that determine states of health and the development of disease.

CG12 – To understand the fundamentals of action, indications and efficacy of therapeutic interventions, as supported by the available scientific evidence.



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CG15 – To have the capacity to prepare an initial diagnostic evaluation and to establish a reasoned diagnostic strategy.

CG17 – To establish diagnosis, prognosis and treatment, by application of principles based on the best information possible and on conditions of clinical safety.

CG18 – To indicate the most appropriate therapy for the most common acute and chronic processes and for terminal illness.

CG19 – To take into account and to propose preventive measures appropriate to each clinical situation.

CG38 – To be able to manage in international scientific and clinical settings to participate in translational research in the field of biomedicine.

COMPETENCIES SPECIFIC TO ELECTIVE SUBJECT MATTERS

CEO5 – To see the possibilities for using the practice of medicine in social causes and cooperation.

CEO10 – To know about some of the aspects of medicine with international repercussions.

CEO15- To acquire in-depth clinical, diagnostic and therapeutic knowledge related to specific

PROGRAMA

Part 1. Introduction. International Health. Developed countries. Developing countries.

Part 2. Tropical Health. Neglected Tropical Diseases (NTD). Epidemiology. Most prevalent diseases: Malaria, Tuberculosis, HIV- AIDS, Ascariasis, Hookworm, Trichuriasis, Lymphatic Filariasis, Onchocerciasis, Dracunculiasis, Schistosomiasis, Chagas Disease, Human African Trypanosomiasis, Leishmaniasis, Buruli Ulcer, Leprosy, Trachoma, Dengue... SARS-CoVs, MERS, Nipah. Transmission: arthropods, food, water, sexual contact, air. Main causes. Biological agents: parasites, bacteria, viruses. Other tropical diseases. Genetic causes. Nutritional factors.

Part 3. Diagnosis and Prevention. Diagnostic methods. Prevention. Recommendations of the World Health Organization (WHO).

Part 4. Treatments. Molecular and Pharmacological Bases. Mechanisms of action of drugs. Resistance. Design of new therapeutic strategies. Novel therapeutic targets.

Part 5. Tropical diseases and other pathologies. Role of some infectious agents in the development of other diseases: cancer, cardiovascular diseases, liver diseases, neurological disorders.

Part 6. Travelers' Health. Prophylaxis. Vaccines. Recommendations.

Part 7. Conclusions. Progress. New challenges in research.

Seminars

1. Observation and identification of pathogens
2. Design of health care programs in tropical areas.



3. Analysis of the latest "World Health Report" (WHO).

ACTIVIDADES FORMATIVAS

1- Classroom activities 40h (1.6 ECT)

Theory: 20h (0.8 ECT). 20 lectures.

Practical Seminars: 10h (0.4 ECT).

Academic advising: 1h (0.04 ECT).

Exam: 3h (0.12 ECT)

Exhibition of group projects: 6h (0.24 ECT).

3-5 students/Group. Each group will prepare two scientific papers related to the topics. This work will be publicly exposed during 15 minutes. After the presentation, participants (teacher and students) may ask questions about the project.

2- Study activities 35h (1.4 ECT)

Personal study: 30h (1.2 ECT).

Group Work (3-5 students/group): 5h (0.2 ECT).

Students reflect on the importance of health, they analyze the lack of this essential good and the great imbalance between the industrialized regions and developing countries. They seek possible solutions to these challenges and become aware of their important role as actors in the development of health in the future society.

EVALUACIÓN

CONVOCATORIA ORDINARIA

Percentage of final score:

Final Exam (Theory, Lectures): 40 %

Exam type: Test.

Seminars: 20%

Exhibition of group projects (25%) and Summary Report (Service-Learning 5%): . . . 30 %

Participation in classroom activities (Lectures and Seminars):..... 10 %

A summary report (5 pages) will be presented by each group and included in a book entitled "Educating on Global Health" published simultaneously in English, Spanish and French for wider dissemination.

Aquellos alumnos que no puedan concurrir al examen presencial por motivos justificados (porque se les haya requerido aislamiento, o por motivos de salud o imposibilidad de viajar) se les indicará una segunda fecha de examen presencial en un plazo aproximado de 2



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semanas, de acuerdo con coordinación de estudios, el coordinador de curso y el profesor responsable de asignatura y siempre que las condiciones personales y las medidas sanitarias lo permitan. El examen será equivalente en contenidos y exigencia pero podrá cambiar el formato o tipo de examen de acuerdo a la decisión del profesor responsable de la asignatura

HORARIOS DE ATENCIÓN

Monday, 1-2 pm.

The student may also schedule an appointment with the professor by e-mail (panguewa@unav.es).

BIBLIOGRAFÍA

Beaver, P.C., Jung, R.C., & Cupp, E.W. (2003).- Parasitología Clínica de Craig-Faust. Masson Editores. Barcelona. [Find it in the Library](#)

Guerrant RL, Walter DH, S  ller PF. 3[ ] Ed (2011): Tropical Infectious Diseases. Saunders /Elsevier. Edinburgh (Libro electr  nico) [Find it in the Library](#)

Patrick R. Murray, Ken S. Rosenthal y Michael A. Pfaller, 8[ ] Ed (2017): Microbiolog  a M  dica, Elsevier Mosby, Madrid [Find it in the Library](#)

W. John Spicer. 2[ ] Ed (2009): Microbiolog  a cl  nica y enfermedades infecciosas, Elsevier. [Find it in the Library](#)

<http://apps.who.int/tdr/>

<http://www.dpd.cdc.gov/dpdx/>

<http://www.ncbi.nlm.nih.gov/sites/entrez>

<http://www.pubmedcentral.nih.gov/>

<http://www.istun.es>