

Academic Year/course: 2022/23

26787 - Occupational medicine

Syllabus Information

Academic Year: 2022/23

Subject: 26787 - Occupational medicine

Faculty / School: 104 - Facultad de Medicina

Degree: 304 - Degree in Medicine

ECTS: 5.0

Year: 5

Semester: First semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, tutorials, assessment tasks, autonomous work and study.

Professor's lectures, ICT tools (Information and Communication Technologies as networks, use of online platforms to get access to Occupational Diseases cases with Virtual Patients, online software, computer, projector, and e-learning systems.

Students will learn by using e-learning strategies and on-line materials that have been elaborated as a result of different Scientific Projects supported by the European Commission. Those materials and strategies are being actually in use for Occupational Medicine teaching in a number of European Universities.

One of that online materials is considered as a common basic core that should be taught to all Medical students in every European Country. In 2016 this material named "Emutom" was laureated by the Directorate General of Education of the European Commission because was considered very successful and highly extended his use around Europe and outside EU.

Problem-solving methodology and Virtual patient material will be used by students using an online platform that depends on Ludwig Maximilian University and the University of Zaragoza. This learning system was also awarded, in this case by Consejo Social and Universidad de Zaragoza in 2008.

Important:

Although there will be a number of lectures offered in a presential way, attendance to them is voluntary. This means that the learning process can be successfully completed entirely online.

4.2. Learning tasks

The course includes the following learning tasks:

ACTIVITY 1: Professor's lectures

9hours (face-to-face at the classroom or, eventually, in online format via Google meet or TEAMS, etc.).

ACTIVITY 2: Practical sessions. Problem solving and case studies. VIRTUAL PATIENTS.

35hours NON-FACE-TO-FACE

Methodology: Resolution of medical problems as a doctor. This is carried out with virtual patients (problem-based learning) which are workers/patients with occupational diseases or work-related health problem. This is done in CASUS platform.

ACTIVITY 3: Practical work

20-26 hours NON-ATTENDING-METHODOLOGY: Practical cases and medical-legal documents of use in occupational medicine, for review and updating of subject topics. For this purpose, students are provided with materials that include a European module in e-learning format available to enrolled students, as well as a free dossier of 14 educational lectures by national and international experts on essential topics of Occupational Medicine.

ACTIVITY 4: 6 hours of external internship at Mutua MAZ (if the necessary teaching staff is available)

ACTIVITY 5: Tutorials

Methodology: Individualized interview and/or in very small groups for the academic and personal orientation of the student.

ACTIVITY 6: Exam/examination.5 hours

Methodology: Tests or portafolio to verify the acquisition of both theoretical and practical knowledge, as well as the acquisition of competences.

4.3. Syllabus

The course will address the following topics:

- Topic 1. Introduction to Occupational Medicine.
- Topic 2. Effects of work on health and occupational hazards:
 - 2.A. Toxic and Chemicals agents.
 - 2.B. Biological agents.
 - 2 C. Physical agents.
 - 2.D. Ergonomic risks.
 - 2.E. Psycho-social and mental health risks at work.
- Topic 3. Health Surveillance
 - 3.A. Health Surveillance Protocols and Guides.
- Topic 4. Health Promotion in the workplace.
 - 4.A. What any doctor should know regarding the adaptation of work to the individual and what is called "fitness for work" and "workability".
- Topic 5. Work-related Health Problems.
 - 5.A. Work accidents, occupational diseases and diseases related to work. Identification of work-related "damage"/ health problems. Notification of occupational diseases. Occupational health and disabilities.
- Topic 6. Expert opinion in the field of Occupational Medicine.
- Topic 7. Scientific Research in Occupational Medicine. Collaboration within so-called "specialists of prevention of occupational hazards".

4.4. Course planning and calendar

Dates of scheduled activities

- 3 Lectures (on Monday): 17: 00-20:00hs pm
- Exact dates of presential lectures will be available at the Moodle course.
- Tutorship: They must be arranged with the Professor (sending email)
- Completion of cases on the online platform (*Virtual patients*)
It must be done before the date scheduled for the written examination.
- Presentation of students' works and other mandatory tasks:
The deadline will be shown in Moodle (it will be before the date set for the written test)
- Evaluation:

<https://medicina.unizar.es/tercer-curso#horario5>

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26787>