

## 26787 - Occupational medicine

### Información del Plan Docente

Academic Year	2017/18
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**

#### **1.1.Introduction**

#### **1.2.Recommendations to take this course**

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

#### **4.1.Assessment tasks (description of tasks, marking system and assessment criteria)**

### **5.Methodology, learning tasks, syllabus and resources**

#### **5.1.Methodological overview**

The learning process designed requires the use of this methodology...

#### **METHODOLOGY:**

Professor's lectures, ICT tools ( Information and Communication Technologies as: networks, use of online platforms to

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get access to Occupational Diseases cases with Virtual Patients, online software, computer, projector, etc ...) and e-learning systems.

Students will learn by using e-learning strategies and on-line materials that have been elaborated as 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 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 succesful and highly extended his use around Europe and outside EU.

Problem solving methodology and Virtual patients material will be used by students using an online platform that depends of Ludwig Maximilian University and 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 learning process can be successfully completed entirely online.

## **5.2.Learning tasks**

### **Activites offered to students:**

#### **ACTIVITY 1:** Professor's Lectures

CREDITS: 8 hours at classroom

**ACTIVITY 2:** Practical work. Problems solving, Virtual patients and resolution of cases (workers/patients with occupational diseases or work related health problems).

CREDITS: 5 hs (online)

**ACTIVITY 3:** Practical activities.Descriptive review, updating & state of art of specific topics on Occupational Health.

CREDITS: 45hs (online)

**ACTIVITY 4:** Tutorship. Personal guidance & students' interview. Students can ask for it both individually or in group.

CREDITS:

**ACTIVITY 5:** Student's assessment. Evaluation of both theoretical and practical skills.

CREDITS: 2 hs

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**ACTIVITY 6:** Student's autonomous work (study, seminars preparation, data analysis, information retrieval and further reading content)

CREDITS: 55 hs.

### 5.3.Syllabus

#### Syllabus/ Program

- 1.- Introduction to Occupational Medicine.
- 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.
- 3.- Health Surveillance
  - 3.A. Health Surveillance Protocols and Guides.
- 4.- Health Promotion at 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".
- 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.
- 6.- Expert opinion in the field of Occupational Medicine.
- 7 .-Scientific Research in Occupational Medicine . Collaboration within so called "specialists of prevention of occupational hazards".

### 5.4.Course planning and calendar

#### Dates of scheduled activities

**Lectures** (on Monday)  
17: 00-19: 30hs pm

September 26th  
October 3rd  
October 24th

**Tutorship:** They must be arranged with the Professor

**Completion of cases on the online platform** (Virtual patients)  
It must be done before the date scheduled for 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)

**5.5. Bibliography and recommended resources****website for learning activities:**

<http://www.emutom.eu>

<http://www.medicinatrabajo.es>

<http://www.virtualpatient-work.net>

[http://www.virtualpatient-work.net/files/flyer\\_virtualpatient-work.net\\_updated\\_2012-09-14\\_.pdf](http://www.virtualpatient-work.net/files/flyer_virtualpatient-work.net_updated_2012-09-14_.pdf)

**Interesting Occupational Medicine websites:**

Comisión Nacional de Seguridad y Salud en el Trabajo : <http://www.mtas.es/insht/cnsst/index.htm>

Salud laboral (Ministerio de Sanidad y Consumo):

<http://www.msc.es/ciudadanos/saludAmbLaboral/saludLaboral/home.htm>

Asociación Española de Especialistas en Medicina del Trabajo: <http://www.prevencionintegral.com/aeemt/>

Agencia Europea para la Seguridad y la Salud en el Trabajo: <http://es.osha.europa.eu/>

Asociación de Mutuas de Accidentes de Trabajo: <http://www.amat.es/>

European Foundation for the Improvement of Living and Working Conditions: <http://www.eurofound.europa.eu/>

UEMS Specialist Section of Occupational Medicine: <http://www.uems.net/>

Canadian Centre for Occupational Health and Safety: <http://www.ccohs.ca/resources/>

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National Institute for Occupational Safety and Health (USA) <http://www.cdc.gov/niosh/>

The American College of Occupational and Environmental Medicine: <http://www.acoem.org/>

Organización Internacional del trabajo <http://www.ilo.org/public/spanish/index.htm>

The World Health Organization [http://www.who.int/topics/occupational\\_health/en/](http://www.who.int/topics/occupational_health/en/)

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7. BASCUAS, J., VISPE, C., ALBALÁ, M. Y MARTÍNEZ JARRETA, B. Libro del Médico Interno Residente en Medicina del Trabajo de la Unidad Docente de Aragón.

8. GIL F Tratado de Medicina del Trabajo Barcelona: Masson, 2012.