

**COURSE DATA****Data Subject**

Code	42690
Name	Occupational health
Cycle	Master's degree
ECTS Credits	3.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2124 - M.U. en Salud pública y gestión sanitaria 12-V.1	Faculty of Pharmacy and Food Sciences	1	First term

Subject-matter

Degree	Subject-matter	Character
2124 - M.U. en Salud pública y gestión sanitaria 12-V.1	3 - Health protection	Obligatory

Coordination

Name	Department
MARTIN MORENO, JOSE MARIA	265 - Prev. Medicine, Public Health, Food Sc., Toxic. and For. Med.

SUMMARY

The aim of this unit is to provide to the student the knowledge, skills and attitudes necessary to carry out surveillance and prevention programmes in relation to the health of workers and the determinants of occupational health. In order to accomplish this aim, first we will present the law framework and the organization of occupational health in general, with a focus on our immediate context. Then, basic concepts and fundamental evidence explaining the relationship between work and health will be discussed. Main activities of surveillance and prevention in relation to exposure to occupational hazards and problems of occupational health in workers will be presented, both at company level and from the responsible institutions. Main epidemiological features of occupational injuries and diseases and work-related incapacity shall be revised too. Finally, main characteristics of research in the field of occupational health will be discussed.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

None

OUTCOMES

LEARNING OUTCOMES

The teaching-learning process in this area will help the students acquire basic skills, general and cross-listed in the general content of the Master, and in particular the development of specific skills more directly related to the following contents: regulatory framework and the organization of the activity for the prevention and protection of health at work in our context, main occupational risk factors and work-related health problems in the population, programmes to improve surveillance and preventive action in occupational health, occupational health research. Following the teaching-learning process, students should be able to successfully overcome the various forms of evaluation.

DESCRIPTION OF CONTENTS

1. Regulatory and organizational framework of occupational health

Reference legislation in occupational health: law on prevention of occupational risks, regulation of the prevention services, specific legislation. Institutional structures in occupational health: health administration, labour administration. The organization of occupational health in the company level. Structures of participation.

2. Determinants of health at work

Work-health relationship. Occupational health risks: physical hazards, chemical hazards, biological hazards, physical load, psychosocial factors.

3. Surveillance and prevention activities in occupational health

Monitoring of the health of workers in the enterprise: individual monitoring, collective monitoring. Protocols for health surveillance. The evaluation of risks at work. Occupational health prevention general strategies.

**4. Occupational injuries**

Registration of occupational injuries. Statistics of occupational injuries in Spain and, in Comunidad Valenciana. Investigation of accidents in the company. Determinants of occupational injuries. Prevention of occupational injuries.

5. Occupational diseases

Basic concepts: occupational diseases, work-related diseases, sickness absence. The system of registration of occupational diseases. Statistics of occupational diseases. Occupational diseases active surveillance systems. Determinants of occupational diseases. Prevention of occupational diseases.

6. Research of work-related health problems

Occupational Epidemiology: fundamentals, applications. Other techniques of research in occupational health: qualitative research. Action-research. Study of cases.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	24,00	100
Attendance at events and external activities	2,00	0
Development of group work	10,00	0
Study and independent work	10,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparing lectures	5,00	0
Preparation of practical classes and problem	4,00	0
Resolution of case studies	5,00	0
TOTAL	75,00	

TEACHING METHODOLOGY

Theoretical and participative lessons

Reading and discussion of documents

Resolution of practical cases



Problem solving

Supervised work in computer classroom

Supervised work in groups

Projects development

Seminars

Individual tutoring

EVALUATION

Theory assessment. Minimum weight: 40% Maximum Weight: 40%

Practicum Test. Minimum weight: 30%. Maximum weight: 30%

Assessing individual work, minimum Weighting: 5% Maximum Weight: 15%

Assessing group work. Minimum weight: 5% Maximum Weight: 15%

Attendance and participation in lectures. Minimum weight: 5% Maximum Weight: 15%

Attendance and participation in practical lessons. Minimum weight: 5% Maximum Weight: 15%

Delivery of practical work. Minimum weight: 5% Maximum Weight: 15%

REFERENCES

Basic

- Ruiz-Frutos C, García AM, Delclòs J, Benavides FG, editores. Salud laboral: conceptos y técnicas para la prevención de riesgos laborales. 3ª edición. Barcelona: Editorial Masson; 2007.
- Benavides FG, coordinador. Informe de Salud Laboral. España, 2006. Barcelona: Observatorio de Salud Laboral; 2007.

Additional

- García AM. Indicadores de resultados en prevención de riesgos laborales. Arch Prev Riesgos Labor. 2003;6: 114-9.
- García AM, Gadea R, López V. Estimación de la mortalidad atribuible a enfermedades laborales en España, 2004. Rev Esp Salud Pública. 2007;81:261-70.



- García AM, Gadea R. Estimaciones de incidencia y prevalencia de enfermedades de origen laboral en España. Aten Primaria. 2008; 40: 43945.
- Benavides FG, Velarde JM, López-Ruiz M, Rodrigo F. Una década de éxito en la prevención de las lesiones por accidentes de trabajo en España. Seguridad y Salud en el Trabajo. 2011; 62: 22-7.
- Benavides FG, Maqueda J, Rodrigo F, Pinilla J, García AM, Ronda E, Ordaz E, Ruiz-Frutos C. Prioridades de investigación en salud laboral en España. Arch Prev Riesgos Labor. 2008; 11:98-100.