

68902 - Industrial hygiene

Información del Plan Docente

Academic Year	2016/17
Academic center	102 - Facultad de Derecho
Degree	462 - Master's in Occupational Health and Safety
ECTS	7.0
Course	1
Period	First semester
Subject Type	Compulsory
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

2.2. Introduction

3. Context and competences

3.1. Goals

3.2. Context and meaning of the subject in the degree

3.3. Competences

3.4. Importance of learning outcomes

4. Evaluation

5. Activities and resources

5.1. General methodological presentation

5.2. Learning activities

The program that the student is offered to help you achieve the expected results includes the following activities ...

1. Conferences

Presentation of the agenda items through lectures illustrated with examples applied.

2. Case Studies.

Case studies are intended to place the students to practice solving the problems of risk management related to industrial hygiene, from detection risk through evaluation of it to end in eliminating or controlling risk hygienic. Specifically three

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types of practical cases to be resolved related to chemical, physical and biological agents pose. The statements of case studies will be provided by teachers or by e-mail or deposited in reprographics.

3. Case tutored

Students will have to make a case tutored by teachers on a proposed statement by teachers. This case is equivalent to 2 ECTS time (50 hours) student work. The resolution of the case must be presented as the deadline on January 19, 2012, and will be evaluated by 40% of the total assessable activities.

The evaluation will take into account specificity in the responses, knowledge of matter and the correct interpretation of the law and applicable regulations.

4. Seminars.

a specific seminar on pollution control proposed by local exhaust and another in which some practical cases to be reflected in risk assessment reports in Industrial Hygiene will be held.

5. Visits to industrial facilities.

They try to give a true picture of the risks and preventive measures implemented in a work environment.

5.3.Program

Class	Content
Master class	Introduction Industrial Hygiene. Specific legislation on Industrial Hygiene. Chemical Contaminants: General concepts.
Master class	Toxicology
Master class	evaluation of chemical pollutants, limit values. Measurement of chemical pollutants, equipment used.
Seminar	Industrial Hygiene Laboratories.
Master class	PPE Selection against chemical agents
Master class	Chemical Pollution Control. General ventilation. Local exhaust.
Master class	Industrial Noise .
Master class	Radiations.
Seminar	Vibrations
Master class	Thermal environment. Lighting

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Master class	Control of noise and vibration.
Master class	Reporting in Hig. Industrial. Physical agents. Reporting on Hig. Industrial. Chemical agents.
Seminar	Biological contaminants I
Seminar	Presentation and delivery of practical case. Exam

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Faculty:

The responsibility and the provision of teaching correspond to various professionals and specialists in the areas of Industrial Hygiene, with extensive experience in Industrial Hygiene and teaching. Among the professionals he has had professors and University professors, specialists and technicians with outstanding and proven knowledge in prevention from the ISSLA, Services Occupational Health and Safety and Work Accident Mutuels.

Professor and coordinator of the course:

D. Miguel Olmos Llorente. Technician in Occupational Risk Prevention. Master's Degree in Occupational Health and Safety at the University of Salamanca. Director of the Society for Prevention Fremap in Zaragoza. Professor own title "Master of Occupational Health and Safety" of the University of Zaragoza.

Other teachers:

Dra. Celia Domeño Recalde. Professor of Analytical Chemistry at the University of Zaragoza. Two master collaborator at the University of Zaragoza, Master in Environmental Engineering and Master of Occupational Health and Safety, and the Graduate Water Resources.

D. Rafael Garcia Foncillas. Licensed in medicine. Primary attention doctor. Associate Professor responsible for occupational health in the Degree of Industrial Relations and Human Resources at the University of Zaragoza.

Dr. Fernando Uceda March. Technician in Occupational Risk Prevention. Medical Labour Cabinet and Safety of Zaragoza. ISSLA. Vice President of the Society Medicine, Hygiene and Safety of Aragon and La Rioja (SMHSTAR)

D. Eugenio Paredes Palomo. Technician in Occupational Risk Prevention. Master's Degree in Occupational Health and Safety at the University of Salamanca. Aragon Regional Coordinator Area Industrial Hygiene Society Prevention Fremap in Zaragoza. Professor own title "Master of Occupational Health and Safety" of the University of Zaragoza.

D. Pedro Perez Polo. Technician in Occupational Risk Prevention. Aragon Regional Coordinator of Occupational Health and Safety Prevention Mutual Fremap. Professor own title "Master of Occupational Health and Safety" of the University of Zaragoza.

D. Joaquín Ramo MAICAS. Technician in Occupational Risk Prevention. Provincial Chief of Aragon Institute of Occupational Safety and Health (ISSLA) in Teruel. Professor own title "Master of Occupational Health and Safety" of the University of Zaragoza.

Ms. Ana Carmen Francisco Salas. Superior Technician Occupational Health and Safety, Health and Plant Laboratory Certification.

Ms. Mercedes Hernán Recio. Quality Manager of Industrial Hygiene Laboratory Aragon Institute of Occupational Safety and Health.

5.4.Planning and scheduling

Schedule sessions and presentation of works

Planning for the course:

The course consists of 7 ECTS credits distributed as follows .

Lectures 2.2 ECTS

Seminars / workshops 0.4 ECTS credits

Presentation of work and examination 0.2 ECTS

Tutoring 1.2 ECTS

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tutored student work 2.0 ECTS

Visits to 1.0 ECTS credit companies

Schedule sessions and presentation of works

The final schedule will be published on the website of the Faculty of Law

<http://derecho.unizar.es/> well in advance.

5.5. Bibliography and recommended resources

The student during the realization of practical classes will be indicated a bibliography of basic character for each topic and a list of websites where you can check documentation and information.

The material, notes and case studies that will be used will be provided by teachers or electronically deposited in reprographics media.