Course guides
240807 - 240807 - Industrial Hygiene I

Unit in charge: Barcelona School of Building Construction
Teaching unit: 732 - OE - Department of Management.
Degree: MASTER'S DEGREE IN OCCUPATIONAL HEALTH AND SAFETY (Syllabus 2010). (Compulsory subject).
MASTER'S DEGREE IN OCCUPATIONAL HEALTH AND SAFETY (Syllabus 2016). (Compulsory subject).

Academic year: 2020  ECTS Credits: 4.0  Languages: Spanish

LECTURER
Coordinating lecturer: XIALEI YOU CHEN
Others: XIALEI YOU CHEN

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. Know the relation between occupational and health safeties.
2. Know the main investigation techniques in labour health. The toxicology basics applied to the contaminants in the occupational field and the technical solutions for the design and evaluation of the ventilation systems.
3. Know to develop emergency and security plans, make training and information plans assigned to workers, including the detection of needs and establish the evaluating systems and monitoring measures, lay out corrective measures in front of risks of chemical nature, physical or biological; carry out risk evaluations and set out corrective measures related to the physical and mental load at work; make the epidemiologic study design to identify risk factors of occupational nature, apply its basics and manipulation and applications of the main chemical analysis techniques in the hygienic world.
4. Be able to analyse the main health problems related to work.
5. Identify and distinguish the advanced evaluation techniques and noise control in the industry, the transmission mechanisms and ways of entry to biological agents.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>64,0</td>
<td>64.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>36,0</td>
<td>36.00</td>
</tr>
</tbody>
</table>

Total learning time: 100 h

CONTENTS

(ENG) INTRODUCCIÓ AL MÓN DE LA HIGIENE
(ENG) AVALUACIÓ DE L’EXPOSICIÓ A AGENTS QUÍMICS

(ENG) CONTROL DE LES EXPOSICIONS A AGENTS QUÍMICS

GRADING SYSTEM

BIBLIOGRAPHY

Basic: