Course guides  
**240805 - 240805 - Workplace Ergonomics 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: 3.0  
Languages: Spanish

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**LECTURER**

Coordinating lecturer: PEDRO MANUEL RODRIGUEZ MONDELO

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**DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES**

**Specific:**
1. Identify and recognise detection techniques of psychosocial problems and develop intervention plans in front of ill organizations, and recognise the minimum required ergonomic requirements in manual tools.
2. 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.
3. Be able to analyse the main health problems related to work.
4. Be able to recognise action measures in front of emergencies and disasters. Recognise the specific problems in health security at work in sensitive workers such as young and elder workers, disabled people or pregnant women, and identify and recognise the main instrumentation techniques to assess the fatigue and not the comfort at work.

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**TEACHING METHODOLOGY**

**LEARNING OBJECTIVES OF THE SUBJECT**

**STUDY LOAD**

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>27,0</td>
<td>36.00</td>
</tr>
<tr>
<td>Self study</td>
<td>48,0</td>
<td>64.00</td>
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Total learning time: 75 h

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**CONTENTS**

(ENG) -PRESENTACIÓ
BIBLIOGRAPHY

Basic: