240805 - Workplace Ergonomics I

Coordinating unit: 310 - EPSEB - Barcelona School of Building Construction
Teaching unit: 732 - OE - Department of Management
Academic year: 2019
Degree: MASTER’S DEGREE IN OCCUPATIONAL HEALTH AND SAFETY (Syllabus 2010). (Teaching unit Compulsory)
MASTER’S DEGREE IN OCCUPATIONAL HEALTH AND SAFETY (Syllabus 2016). (Teaching unit Compulsory)
ECTS credits: 3

Teaching languages: Spanish

Teaching staff
Coordinator: PEDRO MANUEL RODRIGUEZ MONDELO

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.

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 75h</th>
<th>Hours large group: 27h</th>
<th>36.00%</th>
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<tbody>
<tr>
<td>Self study: 48h</td>
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<td>64.00%</td>
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## Content

**(ENG) - PRESENTACIÓ**

Degree competences to which the content contributes:

**(ENG) - INTRODUCCIÓ A L'ERGONOMIA**

Degree competences to which the content contributes:

**(ENG) - METODOLOGIA**

Degree competences to which the content contributes:

**(ENG) - SISTEMA PERSONA-MÀQUINA**

Degree competences to which the content contributes:

**(ENG) - ANTROPOMETRIA**

Degree competences to which the content contributes:

**(ENG) - MESURES ANTROPOMÈTRIQUES**

Degree competences to which the content contributes:

**(ENG) - RELACIONS DIMENSIONALS**

Degree competences to which the content contributes:

**(ENG) - RELACIONS AMBIENTALS-TÈRMIC LANES**

Degree competences to which the content contributes:

**(ENG) - RELACIONS AMBIENTALS-ACÚSTIQUES**

Degree competences to which the content contributes:
Bibliography

Basic:

