310505 - Process and Projects Management. Pmi

Degree: MASTER'S DEGREE IN BUILDING CONSTRUCTION MANAGEMENT (Syllabus 2015). (Teaching unit Compulsory)
ECTS credits: 5
Teaching languages: Catalan, Spanish

Degree competences to which the subject contributes

Basic:
CB8. The students must be able to integrate knowledges and front to the complexity to formulate opinions from an information which, being incomplete or limited, includes reflections about the social and ethical responsibilities linked to the application of their knowledges and opinions.

Specific:
CE03MUGE. Manage strategic and infrastructure planning and programming and apply to the management, planning and control of operations.
CE12MUGE. Apply management models suitable for edification processes

Generical:
CG2MUGE. Manage projects in the field of construction.

Transversal:
01 EIN. ENTREPRENEURSHIP AND INNOVATION: Knowing about and understanding how businesses are run and the sciences that govern their activity. Having the ability to understand labor laws and how planning, industrial and marketing strategies, quality and profits relate to each other.
05 TEQ. TEAMWORK. Being able to work as a team player, either as a member or as a leader. Contributing to projects pragmatically and responsibly, by reaching commitments in accordance to the resources that are available.

Teaching methodology
Master class.
Expository participative class.
Practices.

Learning objectives of the subject
At the end of the subject the students must be able to:
. Manage complex projects in the construction process.
. Know the management systematic for projects by means of PMI models.
. Acquire the ability to organise the activities which contain a project.
### Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group: 17h 30m 14.00%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 5h 4.00%</td>
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<tr>
<td></td>
<td>Hours small group: 5h 4.00%</td>
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<tr>
<td></td>
<td>Guided activities: 7h 30m 6.00%</td>
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<tr>
<td></td>
<td>Self study: 90h 72.00%</td>
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</tbody>
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### TEMA 2. LA GESTIÓN POR PROCESOS

**Description:**
Introduction to the processes and the projects.

**Related activities:**
Activity 1.

**Specific objectives:**
Introductory topic of the subject.

<table>
<thead>
<tr>
<th>Learning time: 34h</th>
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<tbody>
<tr>
<td>Theory classes: 4h</td>
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<tr>
<td>Laboratory classes: 3h</td>
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<tr>
<td>Guided activities: 3h</td>
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<tr>
<td>Self study : 24h</td>
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</tbody>
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**Description:**
Typologies and tools of management and control of processes.

**Related activities:**
Activity 2.

**Specific objectives:**
Understand and apply the management of processes in a society.
Establish the form of control of processes.
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<table>
<thead>
<tr>
<th><strong>title english</strong></th>
<th><strong>Learning time:</strong> 75h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 9h</td>
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<tr>
<td></td>
<td>Laboratory classes: 6h</td>
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<tr>
<td></td>
<td>Guided activities: 6h</td>
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<tr>
<td></td>
<td>Self study: 54h</td>
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</tbody>
</table>

**Description:**
- Groups of processes.
- Integration of the project.
- Range of the project.
- Schedule of the project.
- Quality of the project.
- Parts interested in the project.
- Closing of the project.

**Related activities:**
- Activity 3.

**Specific objectives:**
Understand the basic principles of the project's management according to the Project Management Institute model.

**Qualification system**

Theoretical exam: 40%

Activities: 60%
- Activity 1: 20%
- Activity 2: 20%
- Activity 3: 20%

**Bibliography**

**Basic:**

**Complementary:**