

220243 - Smart Buildings

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering
Academic year: 2019
Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
ECTS credits: 5 Teaching languages: Catalan, Spanish, English

Teaching staff

Coordinator: Casals Casanova, Miquel
Others: Tejedor Herran, Blanca

Degree competences to which the subject contributes

Specific:

2. Proper knowledge for the design, construction and management of buildings and their surroundings, especially in the field of industrial engineering.
4. Acquire the knowledge necessary for the design, implementation, verification and control of facilities, infrastructure and urban development in the field of industrial engineering.

Teaching methodology

Learning objectives of the subject

Study load

Total learning time: 125h	Hours large group:	30h	24.00%
	Hours small group:	15h	12.00%
	Self study:	80h	64.00%

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Content

<p>(ENG) Introducció als conceptes d'edificis intel·ligents</p>	<p>Learning time: 35h Theory classes: 10h Laboratory classes: 5h Self study : 20h</p>
<p>title english</p>	<p>Learning time: 45h Theory classes: 10h Laboratory classes: 5h Self study : 30h</p>
<p>Description: content english</p> <p>Related activities: activity english</p> <p>Specific objectives: objective english</p>	
<p>title english</p>	<p>Learning time: 45h Theory classes: 10h Laboratory classes: 5h Self study : 30h</p>
<p>Description: content english</p> <p>Related activities: activity english</p> <p>Specific objectives: objective english</p>	

Qualification system

Regulations for carrying out activities

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Bibliography

Basic:

Sinopoli, Jim. Smart buildings systems for architects, owners and builders [on line]. Oxford: Butterworth-Heinemann, 2010 [Consultation: 12/05/2014]. Available on: <<http://www.sciencedirect.com/science/book/9781856176538>>. ISBN 9781856176538.