Course guides
220243 - 220243 - Smart Buildings

Last modified: 29/05/2020

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering.

Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Optional subject).

Academic year: 2020 **ECTS Credits:** 5.0 **Languages:** Catalan, English, Spanish

LECTURER

Coordinating lecturer: 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

Type	Hours	Percentage
Hours large group	30,0	24.00
Self study	80,0	64.00
Hours small group	15,0	12.00

Total learning time: 125 h

CONTENTS

(ENG) Introducció als conceptes d'edificis intel·ligents

Full-or-part-time: 35h
Theory classes: 10h
Laboratory classes: 5h
Self study : 20h

title english

Description:
content english

Specific objectives:
objective english

Related activities:
activity english

Full-or-part-time: 45h
Theory classes: 10h
Laboratory classes: 5h
Self study : 30h

title english

Description:
content english

Specific objectives:
objective english

Related activities:
activity english

Full-or-part-time: 45h
Theory classes: 10h
Laboratory classes: 5h
Self study : 30h

GRADING SYSTEM

EXAMINATION RULES.

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.