

Course guides

210746 - PE TA - Structural Design: Advanced Techniques

Last modified: 02/07/2015

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.

Degree: MASTER'S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015). (Optional subject).

Academic year: 2015 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: BLASCO CASANOVAS, JOAN RAMON

Others: BRUFAU NIUBO, ROBERTO

TEACHING METHODOLOGY

Go to Spanish or Catalan version

LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

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

Total learning time: 125 h

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title english

Description:

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Specific objectives:

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Full-or-part-time: 125h

Theory classes: 15h

Laboratory classes: 30h

Self study : 80h



GRADING SYSTEM

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BIBLIOGRAPHY

Basic:

- Balmond, C. Element. Munich (etc.): Prestel, 2007. ISBN 9783791337784.
- Walther, R. Construire en béton: synthèse pour architectes. Lausanne: Presses Polytechniques et universitaires romandes, 1993. ISBN 2880742544.
- Ching, Francis D.K.. Manual de estructuras Ilustrado. Barcelona: Gustavo Gili, 2014. ISBN B1438307X.

Complementary:

- Proyecto de estructuras mixtas de hormigón y acero. Madrid: AENOR, 1995.
- Calavera, J. Proyecto y cálculo de estructuras de hormigón : en masa, armado y pretensado : [de acuerdo con la nueva instrucción EHE-08: de acuerdo con el EUROCÓDIGO EC-2]. 2ª ed.. Madrid: INTEMAC, 2008. ISBN 8488764057.