



Course guide

210502 - STEE - Technological and Structural Systems in Buildings

Last modified: 26/05/2023

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.
Degree: MASTER'S DEGREE IN ARCHITECTURE (Syllabus 2015). (Compulsory subject).
Academic year: 2023 **ECTS Credits:** 8.0 **Languages:** Spanish

LECTURER

Coordinating lecturer: CARLOS ALONSO MONTOLÍO - MARC SEGUI PIE

Others:

JAUME ALENTORN PUIGSERVER - TECM, TIPM, URBM
CARLOS ALONSO MONTOLÍO - TECM, TIPM, URBM
DAVID LÓPEZ LÓPEZ - TECT, TIPT, URBT
NURIA MIRALLES DEL RIO - TECT, TIPT, URBT
ORIOI ROIG MAYORAL - TECM, TIPM, URBM
IGNACIO RICARDO SANFELIU ARBOIX - TECM, TIPM, URBM
MARC SEGUI PIE - TECT, TIPT, URBT
SANTIAGO VELASCO CERDAN - TECT, TIPT, URBT

TEACHING METHODOLOGY

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LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

Type	Hours	Percentage
Self study	128,0	64.00
Hours large group	36,0	18.00
Hours small group	36,0	18.00

Total learning time: 200 h



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Description:

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Specific objectives:

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Full-or-part-time: 200h

Theory classes: 36h

Laboratory classes: 36h

Self study : 128h

GRADING SYSTEM

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EXAMINATION RULES.

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BIBLIOGRAPHY

Basic:

- Staib, G.; Dörrhöfer, A.; Rosenthal, M. Components and systems: modular construction, design, structure, new technologies. Basel; Boston: Birkhäuser, 2008. ISBN 9783764386566.
- Sebestyén, G. New architecture and technology. Oxford [etc.]: Architectural Press, 2003. ISBN 0750651644.
- McLean, William; Silver, Pete; Evans, Peter. Structural engineering for architects: a handbook. London: Laurence King Publishing, 2014. ISBN 978-1780670553.
- Terrados, F. Javier. Prefabricación ligera de viviendas: nuevas premisas.. Sevilla: Universidad de Sevilla; Instituto Universitario de Arquitectura y Ciencias de la Construcción, 2012. ISBN 9788447214754.
- Sasaki, Matsuro. Flux structure. Tokyo: Toto Shuppan, 2005. ISBN 4887062559.
- Voordt, Theo J. M. van der; Wegen, H. B. R. van. Architecture in use: an introduction to the programming, design and evaluation of buildings. Amsterdam [etc.]: Architectural Press, 2005. ISBN 0750664576.
- Crowther, Philip. "Design for Disassembly: themes and principles". BDP Environment Design Guide [on line]. august 2005 [Consultation: 17/07/2018]. Available on: <https://eprints.qut.edu.au/2888/>.
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- Balmond, Cecil. Crossover. Munich: Prestel Verlag, 2013. ISBN 9783791345222.
- Hershberger, Robert G.. "Programming. Supplemental Architectural Services". The Architect's Handbook of Professional Practice. Washington D.C.: American Institute of Architects Press, 2000.