



# Course guide

## 210751 - PE TC - Structural Design: Complex Types

Last modified: 09/02/2016

**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:** MARISTANY CARRERAS, JORDI

**Others:**

### TEACHING METHODOLOGY

Go to Spanish or Catalan version

### LEARNING OBJECTIVES OF THE SUBJECT

Go to Spanish or Catalan version

### 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

### CONTENTS

#### title english

**Description:**

Go to Spanish or Catalan version

**Specific objectives:**

Go to Spanish or Catalan version

**Full-or-part-time:** 125h

Theory classes: 15h

Laboratory classes: 30h

Self study : 80h



## GRADING SYSTEM

---

[Go to Spanish or Catalan version](#)

## BIBLIOGRAPHY

---

### Basic:

- Engel, H. Sistemas de estructuras. Barcelona: Gustavo Gili, 2001. ISBN 8425218004.
- Orton, A. The way we build now; form, scale and technique. London, etc.: E&FN Spon, 1991. ISBN 0419157808.
- Lin, T.Y. Conceptos y sistemas estructurales para arquitectos y ingenieros. México D.F: Limusa, 1991. ISBN 9681839536.

### Complementary:

- Construire en bois: choisir, concevoir, réaliser. París; Lausanne: Editions du Moniteur; Presses polytechniques romandes, 1983. ISBN 2880740193.
- Natterer, J.; Herzog, T.; Volz, M. Construire en bois 2. Laussane: Presses polytechniques et universitaires romandes, 1994. ISBN 2880742501.
- Rodríguez, Miguel A. Diseño estructural en madera: una aproximación en imágenes al estado del arte a finales del siglo XX. Madrid: AITIM, 1999. ISBN 8487381162.
- Schultiz, Helmut C.; Sobek, W.; Habermann, Karl J.. Construire en acier. Lausanne: Presses Polytechniques et Universitaires Romandes, 2003. ISBN 2880745306.
- Construire en acier. París: Le Moniteur, 1993. ISBN 2281190765.