



## Course guide

### 210117 - EST I - Structures I

Last modified: 16/02/2024

**Unit in charge:** Barcelona School of Architecture  
**Teaching unit:** 753 - TA - Department of Architectural Technology.  
**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).  
**Academic year:** 2023    **ECTS Credits:** 7.0    **Languages:** Catalan, Spanish

#### LECTURER

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**Coordinating lecturer:** DAVID LÓPEZ LÓPEZ - MARIA ELENA OLIVER SAIZ

**Others:**

Primer quadrimestre:

JOAQUIM ESCODA LLORENS - Grup: 1SM3, Grup: 1ST2  
INMACULADA FORTEA NAVARRO - Grup: 1SM3, Grup: 1ST2  
ALICIA HUGUET GONZÁLEZ - Grup: 1SM2, Grup: 1ST2  
ALICIA JEREZ CASTILLO - Grup: 1SM2, Grup: 1ST2  
DAVID LÓPEZ LÓPEZ - Grup: 1SM2  
MARIA ELENA OLIVER SAIZ - Grup: 1SM3, Grup: 1ST2  
MIREIA PUJOL SANCHEZ - Grup: 1ST2  
LAURA VALVERDE ARAGON - Grup: 1ST2

Segon quadrimestre:

JOAQUIM ESCODA LLORENS - Grup: 2SM4, Grup: 2ST1  
INMACULADA FORTEA NAVARRO - Grup: 2SM1  
ALICIA HUGUET GONZÁLEZ - Grup: 2SM4, Grup: 2ST1  
DAVID LÓPEZ LÓPEZ - Grup: 2SM1, Grup: 2ST3  
MARIA ELENA OLIVER SAIZ - Grup: 2SM4, Grup: 2ST3  
MIREIA PUJOL SANCHEZ - Grup: 2ST3  
LAURA VALVERDE ARAGON - Grup: 2ST3

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

ET1. Translation from Spanish slope  
ET2. Translation from Spanish slope  
ET10. Translation from Spanish slope  
ET6. Translation from Spanish slope  
ET13. Translation from Spanish slope  
ET14. Translation from Spanish slope  
ET3. Translation from Spanish slope  
ET4. Translation from Spanish slope  
ET7. Translation from Spanish slope  
ET8. Translation from Spanish slope

**Generical:**

CG4. Translation from Spanish slope

**Transversal:**

CT2. Translation from Spanish slope  
CT3. Translation from Spanish slope  
CT4. Translation from Spanish slope  
CT5. Translation from Spanish slope

**Basic:**

CB1. Translation from Spanish slope  
CB2. Translation from Spanish slope  
CB3. Translation from Spanish slope  
CB4. Translation from Spanish slope  
CB5. Translation from Spanish slope

**TEACHING METHODOLOGY**

Go to catalan or spanish version.

**LEARNING OBJECTIVES OF THE SUBJECT**

Go to catalan or spanish version.

**STUDY LOAD**

Type	Hours	Percentage
Guided activities	12,0	6.86
Hours medium group	35,0	20.00
Hours large group	30,0	17.14
Self study	98,0	56.00

**Total learning time:** 175 h

**CONTENTS**

Go to catalan or spanish version.

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**GRADING SYSTEM**

Go to catalan or spanish version.

**BIBLIOGRAPHY****Basic:**

- Timoshenko, Stephen. Resistencia de Materiales. 15ª ed. Madrid: Espasa-Calpe, 1984. ISBN 8423963152.  
- Nash, William A. Resistencia de materiales. México D.F: McGraw-Hill, 1991. ISBN 9684229224.

## RESOURCES

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### Other resources:

The materials and documents of the subject may be written indistinctly in any languages of instruction.