



# Course guide

## 210289 - DCFI - Designing, Calculating and Building in Wood – Vol. I

Last modified: 12/07/2024

**Unit in charge:** Barcelona School of Architecture  
**Teaching unit:** 752 - RA - Departamento de Representación Arquitectónica.  
753 - TA - Department of Architectural Technology.  
**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).  
**Academic year:** 2024    **ECTS Credits:** 4.0    **Languages:** Catalan, Spanish

### LECTURER

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**Coordinating lecturer:** JORGE BLASCO MIGUEL

**Others:** Primer quadrimestre:  
JORGE BLASCO MIGUEL - 1ST  
ANDRES DE MESA GISBERT - 1ST  
MARIA DEL PILAR GIRALDO FORERO - 1ST  
ANTONIO ORTI MOLONS - 1ST  
EDGAR SEGUÉS AGUASCA - 1ST

### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

EAB7. Translation from Spanish slope  
EP19. Translation from Spanish slope  
ET13. Translation from Spanish slope  
ET14. Translation from Spanish slope  
ET16. Translation from Spanish slope  
ET2. Translation from Spanish slope  
ET6. Translation from Spanish slope  
ET8. Translation from Spanish slope

**Generical:**

CG4. Translation from Spanish slope

**Transversal:**

CT3. Translation from Spanish slope  
CT5. Translation from Spanish slope

### TEACHING METHODOLOGY

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Go to the Catalan or Spanish version

### LEARNING OBJECTIVES OF THE SUBJECT

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go to the Catalan or Spanish version



## STUDY LOAD

Type	Hours	Percentage
Hours large group	44,0	44.00
Self study	56,0	56.00

**Total learning time:** 100 h

## CONTENTS

### Designing, Calculating and Building in Timber - Volume I

**Description:**

go to the Catalan or Spanish version

**Specific objectives:**

go to the Catalan or Spanish version

**Related activities:**

go to the Catalan or Spanish version

**Full-or-part-time:** 44h

Theory classes: 34h

Practical classes: 10h

## GRADING SYSTEM

### Continuous assessment

Continuous assessment will be based on the work carried out by the student during the academic year, through the submission of assignments or the performance of written and/or oral tests, according to the criteria and timetable established.

### Final assessment

If the continuous assessment is not positive, a second assessment may be carried out, which will consist of a final overall test in the established methodology according to the criteria of the lecturer in charge (written or oral test and/or submission of assignments).

## BIBLIOGRAPHY

### Basic:

- Estructuras de madera. Madrid: AITIM, 2013-2015. ISBN 9788487381447.
- Ministerio de Fomento. Dirección General de la Vivienda, la Arquitectura y el Urbanismo. Documento básico SE: seguridad estructural [on line]. [Consultation: 16/07/2021]. Available on: [https://www.codigotecnico.org/images/stories/pdf/seguridadEstructural/DBSE\\_200904.pdf](https://www.codigotecnico.org/images/stories/pdf/seguridadEstructural/DBSE_200904.pdf).
- Ministerio de Fomento. Dirección General de la Vivienda, la Arquitectura y el Urbanismo. Documento Básico SE-AE Seguridad Estructural Acciones en la edificación [on line]. [Consultation: 10/03/2022]. Available on: <https://www.codigotecnico.org/pdf/Documentos/SE/DBSE-AE.pdf>.
- Estructuras de madera. Madrid: AITIM, 2013-2015. ISBN 9788487381447.
- Ministerio de Fomento. Dirección General de la Vivienda, la Arquitectura y el Urbanismo. Documento Básico SE-M Seguridad estructural Madera [on line]. [Consultation: 16/07/2021]. Available on: <https://www.codigotecnico.org/pdf/Documentos/SE/DcmSE-M.pdf>.
- Eurocódigo 5: Proyecto de estructuras de madera Parte 1-2: Reglas generales Proyecto de estructuras sometidas al fuego. Madrid: AENOR, 1999.
- Eurocódigo 5 : proyecto de estructuras de madera. Madrid: AENOR, 1997-.

### Complementary:



- Jodidio, Philip. 100 contemporary wood buildings = 100 edificios de madera contemporáneos = 100 edifici di legno contemporanei = 100 edifícios de madeira contemporâneos. Köln: Taschen, cop. 2015. ISBN 9783836543354.
- Peraza Sánchez, Fernando; Peraza Sánchez, José Enrique; Iñiguez, Guillermo; Montón Lecumberri, Joaquín; Luengo Cuadrado, Emilio; Bobadilla Maldonado, Ignacio. Guía de la madera. Madrid: AITIM, 2010-2014. ISBN 9788487381416.
- Peraza Sánchez, Fernando; Peraza Sánchez, José Enrique; Iñiguez, Guillermo; Montón Lecumberri, Joaquín; Luengo Cuadrado, Emilio; Bobadilla Maldonado, Ignacio. Guía de la madera. Madrid: AITIM, 2010-2014. ISBN 9788487381423.
- Arriaga Martitegui, Francisco. Manual de diagnosi, patologia i intervenció en estructures de fusta. Barcelona: Col·legi d'Aparelladors i Arquitectes Tècnics de Barcelona, 1995. ISBN 8487104223.
- Mañà i Reixach, Fructuós. Recomanacions per al reconeixement, la diagnosi i la teràpia de sostres de fusta. Barcelona: ITEC, 1993. ISBN 8478531548.
- Pryce, Will. Arquitectura de madera : historia universal. Barcelona: Art Blume, 2006. ISBN 8498011183.
- Peraza Sánchez, José Enrique. Casas de madera. Madrid: AITIM, DL 1995. ISBN 8487381081.

## RESOURCES

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### Other resources:

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