



Course guide

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

Last modified: 14/12/2023

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: 2023 **ECTS Credits:** 4.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: JORGE BLASCO MIGUEL

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

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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

General:

CG4. Translation from Spanish slope

Transversal:

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

TEACHING METHODOLOGY

Go to the Catalan or Spanish version

LEARNING OBJECTIVES OF THE SUBJECT

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).

Telematic continuous assessment

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously, by the methods established by the University and the School, with a periodic record of academic activity by submitting assignments, forums, questionnaires or any other means provided by the Atenea platform, or the alternative tools provided to the teaching staff.

In situations in which this telematic teaching takes place when face-to-face teaching has already begun, or for non-academic reasons, any alterations to the weightings or regular teaching control systems will be communicated in detail to all students on the Atenea platform for every subject.

Final telematic assessment

If the continuous telematic assessment is not positive, a second assessment may be carried out consisting of a final overall test in telematic format to be established in accordance with the criteria of the lecturers in charge and the ICT resources and tools provided by the University or the School.

The measures for adapting to distance teaching will be implemented in accordance with ICT security and personal data protection criteria to ensure compliance as regards Personal Data Protection legislation (RGPD and LOPDGDD).



BIBLIOGRAPHY

Basic:

- Eurocódigo 5: Proyecto de estructuras de madera Parte 1-2: Reglas generales Proyecto de estructuras sometidas al fuego. Madrid: AENOR, 1999.
- 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>.
- 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.
- 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>.
- Eurocódigo 5 : proyecto de estructuras de madera. Madrid: AENOR, 1997-.
- Estructuras de madera. Madrid: AITIM, 2013-2015. ISBN 9788487381447.
- Estructuras de madera. Madrid: AITIM, 2013-2015. ISBN 9788487381447.

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, José Enrique. Casas de madera. Madrid: AITIM, DL 1995. ISBN 8487381081.
- 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.
- Mañà i Reixach, Fructuós. Recomanacions per al reconeixement, la diagnosi i la teràpia de sostres de fusta. Barcelona: ITEC, 1993. ISBN 8478531548.
- 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.
- Arriaga Martítegui, Francisco. Manual de diagnosi, patologia i intervenció en estructures de fusta. Barcelona: Col·legi d'Aparelladors i Arquitectes Tècnics de Barcelona, 1995. ISBN 8487104223.
- Pryce, Will. Arquitectura de madera : historia universal. Barcelona: Art Blume, 2006. ISBN 8498011183.

RESOURCES

Other resources:

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