



Universidad  
de Navarra

*International Seminar (Gestión Del Proyecto Técnico) Estructuras*

*Teaching guide 2025-26*

## INTRODUCTION

### Description of the course:

This seminar will give, by working hand-to-hand with an international expert the basics of timber construction and an insight into future trends.

The course will take place over a single week, from Monday to Friday, between **May 25 and 29, 2026**.

- **Degree:** Studies in Architecture
- **Module in the Degree Program:** Intensification in Technical Management
- **Year:** Third to fifth
- **Semester:** Spring
- **Lecture schedule:**
- **Number of credits:** 3 ECTS
- **Type of course:** Elective
- **Language:** English
- **Instructors:**
  - Jose Manuel Cabrero, course director (jcabrero@unav.edu)
  - Guest professor (tbd)
- **Department:** Building Construction, Services and Structures

## LEARNING OUTCOMES (Competencies)

### BASIC COMPETENCES

**BC02** Students must know how to apply their knowledge professionally to their job or career and have the skills that usually demonstrated by writing and supporting their arguments, and problem-solving within their area of study.

**BC04** Students are able to convey information, ideas, problems and solutions to specialist and non-specialist audiences.

**BC05** Students have developed the learning skills necessary to undertake further studies with a high degree of autonomy.

### GENERAL COMPETENCES

**GC04** Understand the structural, construction and engineering design problems associated with building design as well as the techniques for solving them.

**GC07** Understand the relationships between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale.

### SPECIFIC COMPETENCES



Universidad  
de Navarra

**SC17** Ability to conceive, calculate, design, integrate into buildings and urban complexes, and execute building structures (T).

**SC52** Adequate knowledge of ecology, sustainability and the principles of energy and environmental resource conservation

**SC67** Use of English, level B2, to a sufficient level for the scientific and academic terminology typically used in architecture.

## PROGRAM

The course briefly focuses on the following topics:

- Timber as a construction material
- Current trends of timber construction
- The future of timber construction

## EDUCATIONAL ACTIVITIES

The Seminar is given on an intensive week, finalizing with the Forum on Timber Construction and followed by the presentation of the students' assignments.

A typical day in the Seminar begins with a theoretical session, around 1 hour, covering general topics on timber construction, to be followed by the discussion with the different groups of their design developments.

EDUCATIONAL ACTIVITIES			
AF1	Attendance and participation in theoretical face-to-face classes	X	10 h.
AF2	Attendance and participation in practical face-to-face classes	X	12 h.
AF3	Carrying out directed work (individual and group)	X	47 h.



AF5	Participation in tutorials	X	1 h.
AF6	Study and personal work	X	5 h.

## ASSESSMENT

### EVALUATION IN THE ORDINARY CALL

The students will be asked to pursue their own timber-based design for a particular assignment. It will be worked in teams. Such assignment will be 80% of the assigned grade.

ASSESSMENT SYSTEMS			
10-20%	Attendance and participation in lectures, practices and lectures	X	10%
40-80%	Individual and team practical work	X	80%
0-40%	Oral defense of the works	X	10%
0-50%	Exams (partial and final)	X	0%

### EVALUATION IN THE EXTRAORDINARY CALL

For those students who have actually attended the seminar but failed, the same assignment will have to be presented in the extraordinary call.

## HORARIOS DE ATENCIÓN



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Prof. Jose M. Cabrero ([jcabrero@unav.es](mailto:jcabrero@unav.es))

- Office A112. School of Architecture
- Use the following link for a direct appointment: <https://calendly.com/jcabrero/strdesign>

## BIBLIOGRAPHY AND RESOURCES

- **Timber Construction Manual.** Herzog, Natterer, Winter [Localízalo en la Biblioteca](#)
- **Manual of multi-storey timber construction.** Hermann Kaufmann, Stefan Krötsch, Stefan Winter. [Localízalo en la Biblioteca](#)