COURSE SYLLABUS AND COURSE REQUIREMENTS
ACADEMIC YEAR 2023/2024 SEMESTER FALL

Course title	*Engineering Timber Structures*
Course Code	EPB393ANEP
Hours/Week: le/pr/lab	1/1/0
Credits	2
Degree Programme	Civil Engineer BSc
Study Mode	Full time
Requirements	Exam
Teaching Period	7th semester
Prerequisites	Timber and Masonry Structures
Department(s)	Civil Engineering
Course Director	
Teaching Staff	*Tibor Bakó Dr., (responsible lecturer), András Dormány (lecturer)*

COURSE DESCRIPTION

Neptun: Instruction/Subjects/Subject Details/Basic data/Subject description

Advanced knowledge of timber structures and design of timber connections

SYLLABUS

Neptun: Instruction/Subjects/Subject Details/Syllabus

1. GOALS AND OBJECTIVES

Short description: This course is aimed to provide basic and advanced knowledge on the principles of the design timber structures.
Topics covered by the course include:
1- Design of Glued Laminated Members

2- Design of Metal Dowel Type Connections

3- Design of Joints with Connectors

Methodology:

Theoretical knowledge about different types of timber structures with design examples and practice.

2. COURSE CONTENT

Neptun: Instruction/Subjects/Subject Details/Syllabus/Subject content

	TOPICS
LECTURE	*1st topic: Design of Glued Laminated Members* *2nd topic: Design of Metal Dowel connections* *3rd topic: Design of Joints with connectors* *4th topic: Moment capacity of connections* *5th topic: Exam*
PRACTICE	*1st topic: Glued Laminated cross section analysis* *2nd topic: Glued Laminated beam design* *3rd topic: Design of metal dowel connection (nails)*

4th topic: Design of metal dowel connection (bolts)
5th topic: Design of joints with connectors

DETAILED SYLLABUS AND COURSE SCHEDULE

ACADEMIC HOLIDAYS INCLUDED

LECTURE

week	**Topic**	**Compulsory reading; page number (from … to …)**	**Required tasks (assignments, tests, etc.)**	**Completion date, due date**
1.				
2.	Design of Glued Laminated Members	chapter 6		
3.				
4.	Design of Metal Dowel connections	chapter 10		
5.				
6.	Design of Joints with connectors	chapter 11		
7.				
8.	National Holiday			
9.				
10.	Moment capacity of connections	chapter 12		
11.				
12.	Exam			During lecture time, 90 minutes
13.				
14.				
15.				

PRACTICE, LABORATORY PRACTICE

week	**Topic**	**Compulsory reading; page number (from … to …)**	**Required tasks (assignments, tests, etc.)**	**Completion date, due date**
1.				
2.	Glued Laminated cross section analysis			
3.				
4.	Glued Laminated beam design			
5.				
6.	Design of metal dowel connection (nails)			
7.				
8.	National Holiday			
9.				
10.	Design of metal dowel connection (bolts)			
11.				
12.	Design of joints with connectors			
13.				
14.				
15.				

3. ASSESSMENT AND EVALUATION

(Neptun: Instruction/Subjects/Subject Details/Syllabus/Examination and Evaluation System)

ATTENDANCE

In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.

Method for monitoring attendance *(e.g.: attendance sheet / online test/ register, etc.)*

Attendance sheet

ASSESSMENT

Course resulting in mid-term grade *(PTE TVSz 40§(3))*

Mid-term assessments, performance evaluation and their ratio in the final grade

Type	Assessment	Ratio in the final grade
Written Exam	*max 30 points*	*100%*

Opportunity and procedure for re-takes (PTE TVSz 47§(4))

The specific regulations for improving grades and resitting tests must be read and applied according to the general Code of Studies and Examinations. E.g.: all tests and assessment tasks can be repeated/improved at least once every semester, and the tests and home assignments can be repeated/improved at least once in the first two weeks of the examination period.

Every unsuccessful exam can be repeated only 1 time during the semester and retake exam can be taken in order to improve the successful exam grade. The final grade is given by the result of the retake exam, even if the retake exam grade is worse.

Grade calculation as a percentage

based on the aggregate performance according to the following table

Course grade	Performance in %
excellent (5)	85 % …
good (4)	70 % ... 85 %
satisfactory (3)	55 % ... 70 %
pass (2)	40 % ... 55 %
fail (1)	below 40 %

The lower limit given at each grade belongs to that grade.

4. SPECIFIED LITERATURE

In order of relevance. (In Neptun ES: Instruction/Subject/Subject details/Syllabus/Literature)

COMPULSORY READING AND AVAILABILITY

[1.] STRUCTURAL TIMBER DESIGN to Eurocode 5 (Jack Porteous&Abdy Kermani)