

COURSE SYLLABUS AND COURSE REQUIREMENTS

ACADEMIC YEAR 23/24 SPRING

<i>Course title</i>	COMPLEX DESIGN II
<i>Course Code</i>	MSB389ANEP
<i>Hours/Week: le/pr/lab</i>	2/0/0
<i>ECTS</i>	2
<i>Degree Programme</i>	Civil Engineer BSc
<i>Study Mode</i>	Full-time, in-person
<i>Requirements</i>	Mid-term grade
<i>Teaching Period</i>	22/23 Spring
<i>Prerequisites</i>	Complex Design I
<i>Department(s)</i>	Department of Civil Engineering
<i>Teaching Staff</i>	Tamas Juhasz juhasz.tamas@mik.pte.hu

COURSE DESCRIPTION

The course aims to summarize and unify competencies, skills, and abilities the students gained throughout their previous studies of 7 semesters in structural and architectural design. By continuing their Complex Design I take-home project, upon completion of this course, the students will be able to create complex reconstruction plans for existing building structures implying inter alia existing condition survey reports, and structural strengthening design proposals. The course develops an ability to function effectively as a member as well as a leader on technical teams. The course also serves as a preparation for the final exam.

SYLLABUS

1. GOALS AND OBJECTIVES

Upon completion of this course, the student should be able to create complex reconstruction plans for existing building structures implying inter alia existing condition survey reports, and structural strengthening design proposals.

2. COURSE CONTENT

DETAILED SYLLABUS AND COURSE SCHEDULE, TENTATIVE

ACADEMIC HOLIDAYS INCLUDED

LECTURE, PRATICE, LAB				
<i>week</i>	Topic	Compulsory reading	Required tasks	Completion date
1.	Registration, introduction in general			
2.	Definition of tasks to be carried out		TBD	TBA
3.	Structural Rehabilitation of Buildings		TBD	TBA
4.	Strengthening Methods, Consultation		TBD	TBA
5.	Formal Requirements of Structural Plans, Consultation		TBD	TBA
6.	Engineering Communication, Consultation		TBD	TBA
7.	Engineering Ethics, Consultation		TBD	TBA
8.	Sustainability, Consultation		TBD	TBA
9.	Humanitarian Engineering, Consultation		TBD	TBA
10.	Consultation		TBD	TBA
11.	Consultation		TBD	TBA
12.	Consultation		TBD	TBA
13.	Consultation		TBD	TBA
14.	Presentation and Assessment,			
15.	Presentation and Assessment,			

3. ASSESSMENT AND EVALUATION

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. Online attendance is not available.

Method for monitoring attendance

Attendance will be monitored by attendance lists. All relevant university regulations apply.

ASSESSMENT

The course is practice-oriented. Students will be assessed based on the take home assignment.

Course resulting in mid-term grade

Type	Assessment	Weighting as a proportion of the pre-requisite for taking the exam
1. Take-home assignment	max 100 points	100 %

Requirements for the course completion

- Take-home assignment must score 40 points or beyond.

Re-takes for the end-of-semester signature

- N/A

Calculation of the grade (TVSz 47§ (3))

Calculation of the final grade based on aggregate performance in percentage.

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