COURSE SYLLABUS AND COURSE REQUIREMENTS
ACADEMIC YEAR 23/24 SEMESTER FALL

Course title	*Complex Design I*
Course Code	*MSB388AN*
Hours/Week: le/pr/lab	0/2/0
ECTS	2
Degree Programme	Civil Engineer BSc
Study Mode	*Full-time, in-person*
Requirements	Mid-term grade
Teaching Period	23/24 Fall
Prerequisites	MSB390ANEP, Steel Structures 3., MSB394ANEP, Reinforced Concrete Structures 3.
Department(s)	Department of Civil Engineering
Course Director	
Teaching Staff	*Tamas Juhasz, Dr. Magdolna Horvath*
Schedule	*T 1:15-2:45pm*

COURSE DESCRIPTION

The objective of this course is to consolidate and enhance the proficiencies, abilities, and skills that students have acquired in the preceding six semesters in the areas of structural design, construction design, and construction finishing.

SYLLABUS

1. GOALS AND OBJECTIVES

Specific, measurable student behavioral learning objectives.
After finishing the course, students will have the ability to create complex renovation plans for existing buildings. This may require evaluating the current condition of the building and suggesting ways to strengthen its structure. Additionally, students will be able to collaborate with others as a team leader or member.

2. COURSE CONTENT

	TOPICS
LECTURE, PRATICE, LAB	1. *Building Surveying* 2. *Strengthening of structures* 3. *Structural Assessment of Existing Buildings* 4. *Structural Modeling* 5. *Engineering Writing*

DETAILED SYLLABUS AND COURSE SCHEDULE, TENTATIVE

UNFORESEEABLE CIRCUMSTANCES MIGHT AFFECT THE SCHEDULE BELOW.

PRACTICE

week	**Topic**	**Compulsory reading**	**Required tasks**	**Completion date, due date**
1st	Registration	N/A		
2nd	Introducing the Project and Forming Teams	N/A		
3rd	Introduction to building surveying and on-site personal protection	N/A		
4th	Field trip for on-site building survey	N/A		
5th	Evaluation of survey reports	N/A	Turning in survey reports	No later than the beginning of the class
6th	Overview of Techniques for Strengthening Structures	N/A		
7th	Team Discussion	N/A		
8th	Team Discussion	N/A		
9th	Structural Modeling	N/A		
10th	Writing Structural Engineering Reports	N/A		
11th	Team Discussion	N/A	Turning in structural models	No later than the beginning of the class
12th	Submitting projects	N/A	Submitting the completed project documents	No later than the beginning of the class
13th	Project presentation and grading	N/A	Submitting the presentation files	No later than the beginning of the class

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 lists will monitor attendance. All relevant university regulations apply.

ASSESSMENT

The evaluation criteria for the project include the quality of the submitted project documents and the performance in the presentation.
No works under 40% can be accepted and must be repeated.
Neatness is part of the grade for all student work.

Course resulting in mid-term grade

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

Requirements for the course completion

- Project 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 %