

## COURSE SYLLABUS AND COURSE REQUIREMENTS

### ACADEMIC YEAR 24/25 SEMESTER FALL

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

## 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, PRACTICE, LAB	TOPICS
	1. <i>Building Surveying</i>
	2. <i>Strengthening of structures</i>
	3. <i>Structural Assessment of Existing Buildings</i>
	4. <i>Structural Modeling</i>
	5. <i>Engineering Writing</i>

## DETAILED SYLLABUS AND COURSE SCHEDULE, TENTATIVE

UNFORESEEABLE CIRCUMSTANCES MIGHT AFFECT THE SCHEDULE BELOW.

### **PRACTICE**

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

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#### ***Course resulting in mid-term grade***

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

#### ***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 %