

## COURSE SYLLABUS AND COURSE REQUIREMENTS 2025-2026 II.

<i>Course title</i>	<i>Project Work</i>
<i>Course Code</i>	MSM619AN
<i>Hours/Week: le/pr/lab</i>	0/0/4
<i>Credits</i>	4
<i>Degree Programme</i>	Biomedical Engineering MSc
<i>Study Mode</i>	Full Time
<i>Requirements</i>	Mid term exam
<i>Teaching Period</i>	2 <sup>nd</sup> semester
<i>Prerequisites</i>	
<i>Department(s)</i>	Informatics and Electrical Engineering
<i>Course Director</i>	Dr. Adam Schiffer
<i>Teaching Staff</i>	

## COURSE DESCRIPTION

A short description of the course (max. 10 sentences).

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

During the course of the semester, students will solve a complex biomedical engineering problem as a project, resulting in a technical creation in which the student's individual contribution can be clearly identified. In doing so, they will become familiar with all the essential phases of biomedical engineering and will carry out each subtask as independently as possible. The task is to select the topic, specify the task in detail, prepare a system design and progress through the solution in a time-phased manner.

## SYLLABUS

Neptun: Instruction/Subjects/Subject Details/Syllabus

### 1. GOALS AND OBJECTIVES

Goals, student learning outcome.

Neptun: Instruction/Subjects/Subject Details/Syllabus/Goal of Instruction

Topic/project selection (by the end of week 3)

Literary research, literary survey, exploration of the topic (end of week 5)

Summary (1 page document, according to a template, by the end of week 14)

Documentation of project work (min. 15 pages + annexes, end of week 14)

presentation of the independent project (10 min + 5 min discussion)

### 2. COURSE CONTENT

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

## TOPICS

### LECTURE PRACTICE

1. *Project definition*
2. *Project Selection*
3. *Pre-presentation*
4. *Final presentation*
5. *Documentation*

### LABORATORY PRACTICE

## DETAILED SYLLABUS AND COURSE SCHEDULE

ACADEMIC HOLIDAYS INCLUDED

### PRACTICE, LABORATORY PRACTICE

week	Topic	Compulsory reading; page number (from ... to ...)	Required tasks (assignments, tests, etc.)	Completion date, due date
1.	Definition of the projects, requirements			
2.	Selecting projects			
3.	Selecting projects			
4.	Selecting projects			
5.	Literary research			
6.	Literary research			
7.	Literary research			
8.	Literary research			
9.	Project job			
10.	Project job			
11.	Spring break			
12.	Project job			
13.	Presentation			

## 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.)

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### ASSESSMENT

Cells of the appropriate type of requirement is to be filled out (course-units resulting in mid-term grade or examination). Cells of the other type can be deleted.

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

**Mid-term assessments, performance evaluation and their ratio in the final grade** (The samples in the table to be deleted.)

Type	Assessment	Ratio in the final grade
Literary research document	50	50 %
Presentation	50	50 %

**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.

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### 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 %

#### **4. SPECIFIED LITERATURE**

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

##### **COMPULSORY READING AND AVAILABILITY**

[1] According to the project and the research

##### **RECOMMENDED LITERATURE AND AVAILABILITY**

[3] According to the project and the research