

Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering		Insitute of Mechatronics and Vehicle Engineering			
Subject title and code: Full-time study		Precision Mechanics <i>BMEFMY4BNE</i> <i>ac. semester</i> <i>year</i>			Credits: 2
The course is available at:		mechatronical engineering			
Supervised by: Vera Stein		Instructors: Balázs Molnár			
Prerequisite (neptun code):					
Weekly number of lessons					
Lecture: 0	Group seminar: 0	Lab: 0	Consultation: 1		
Way of assessment: Signature (Online)					
Online consultation (in case it's required): https://bbb2.banki.hu/b/mol-xzt-p5e-oii... (BBB link)					
Edu. goal: <i>The students should lget to know the fine mechanical elements, production tools and machines, and the finished products</i>					
Schedule					
Education week	Topics				
1.	Introduction. Requirements. About the Precision Mechanics				
2.					
3.	Presentations by students				
4.					
5.	Presentations by students				
6.					
7.	Presentations by students				
8.					
9.	Presentations by students				
10.					
11.	Presentations by students				
12.					
13.	Presentations by students				
14.	Writing a test in the Moodle				
Mid-semester requirements					
Test		Assignment to be submitted		Lab measurement	
amount	dates	amount	deadlines	amount	dates
<i>According to the TVSZ attendance of group seminars and lab exercises are mandatory.</i>					
Other requirements for participation in sessions not covered by the regulations and restrictions on substitutions:					
Test		Assignment to be submitted		Lab measurement	
maximum points available	minimum score required to pass /test	maximum points available	minimum score required to pass / assignment	maximum points available	minimum score required to pass /lab
50points	26points	50points	26points	...points	...points
Total number of points achievable in semester: ...points					
Grading thresholds	satisfactory 60... points and above	average 71... points and above	good 81... points and above	excellent ...91 points and above	

Other evaluation criteria:

1. Presentation of a specific topic during the online consultation

- Each student chooses the date (see the excel in Moodle).
- Each presentation 15-20 minutes maximum (duration).
- At the end of the performances, everyone evaluates themselves.
- The other students evaluate the presentator as well.

Students choose their own date for the presentation based on the list which is in the Moodle.

2. Preparation of a 10-12 pages essay with references.

- Every student chooses a structure made of fine mechanical elements (for example watch, camera, telephone etc.) which will be disassembled.
- Student presents the disassembled parts and connections, joints, and the operation of the structure. Make photographic documentation. It is the part of essay also.
- Deadline: the last consultation.

3. Writing a test for the last week in the semester in the Moodle system.

- The test material is based on the presentations and articles.

Date of test: Last week of the semester

Final mark: Average of the 3 task (Presentation, Essay and Moodle Test) / $(P+E+T)/3$

Remark: The optional topics for the presentation are in the Moodle

Receive a signature denied entry: Tasks have not been completed in time

Required references:

Recommended references: Articles, presentations in the system Moodle

Quality assurance methods of the subject:

Things, that are not included, can be found within the regulations of Óbuda University.