



1. Subject name	Design of pleasure craft				
2. Subject name in Hungarian	Kishajó tervezés				
3. Code	BMEKOVRM625	4. Evaluation type	exam grade	5. Credits	4
6. Weekly contact hours	2 (9) Lecture	1 (5) Practice	0 (0) Lab		
7. Curriculum	Vehicle Engineering MSc (J)	8. Role	Specialization (sp) at Vehicle Engineering MSc (J)		
9. Working hours for fulfilling the requirements of the subject					120
Contact hours	42	Preparation for seminars	8	Homework	15
Reading written materials	40	Midterm preparation	0	Exam preparation	15
10. Department	Department of Aeronautics and Naval Architectures				
11. Responsible lecturer	Dr. Simongáti Győző				
12. Lecturers	Dr. Simongáti Győző				
13. Prerequisites					
14. Description of lectures					
General arrangement of pleasure craft. Hull form optimisation. Design and specification of sail plan and machinery. Aesthetics. Documentation. Case studies.					
15. Description of practices					
Practice of sub-tasks for pleasure craft design.					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge					
<ul style="list-style-type: none">• know and understand the theory and practice of pleasure craft design,• know the input parameters and boundary conditions, and the calculations and procedures for the preliminary design					
B. Skills					
<ul style="list-style-type: none">• based on the knowledge above the student is able to determine the main dimensions of a vessel for a given generally described scope of work• able to prepare a general arrangement drawing, preliminary technical description, lines plan and other drawings repateed to preliminary design• able to use the Internet and CAD software for his/her work					
C. Attitudes					
<ul style="list-style-type: none">• interested, responsive, take care for the deadlines					
D. Autonomy and Responsibility					
<ul style="list-style-type: none">• the student makes responsible decisions• asks for the professional opinions of others• takes care of the challenges responsibly					
18. Requirements, way to determine a grade (obtain a signature)					
Requirements for signature: 1 semestrial home work 1 exam measuring the theoretical knowledge, the final result is the average of the parts					
19. Opportunity for repeat/retake and delayed completion					
Second exam and delayed submission of the homework					
20. Learning materials					
Dr. Simongáti: Kishajók (in Hungarian)					
Dr. Simongáti: Kishajók II. (2018)(in Hungarian)					

Sailing Yacht design: Theory
Sailing Yacht design: Practice
Larson: Principles of Yacht Design

Effective date	10 October 2019	This Subject Datasheet is valid for	Inactive courses
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