



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

<b>Effective date</b>	10 October 2019	<b>This Subject Datasheet is valid for</b>	Inactive courses
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