

Faculty of Transportation Engineering and Vehicle Engineer

#### 1. Subject name Design of pleasure craft 2. Subject name Kishajó tervezés in Hungarian **BMEKOVRM625** 4 3. Code 4. Evaluation type exam grade 5. Credits 6. Weekly contact 2 (9) Lecture 1 (5) Practice 0 (0) Lab hours Vehicle 7. Curriculum 8. Role Specialization (sp) at Vehicle Engineering MSc (J) **Engineering MSc** (J) 9. Working hours for fulfilling the requirements of the subject 120 **Contact hours** 42 **Preparation for** 8 **Homework** 15 seminars **Reading written** 40 **Midterm** 0 Exam preparation 15 materials preparation **10. Department Department of Aeronautics and Naval Architectures** 11. Responsible Dr. Simongáti Győző lecturer Dr. Simongáti Győző **12. Lecturers 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 labortory practices

### 17. Learning outcomes

#### A. Knowledge

- 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
  - 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 arangement 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
  - interested, responsive, take care for the deadlines
- D. Autonomy and Responsibility
  - · 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 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