

Code: 46 „Strength and Structure of Ships - part 2”

ECTS credits: 6

Number of hours per week: 2+0+2

Forms of assessments: Continuous assessment

Types of assessment: Continuous assessment mark - Achievement tests

Department, providing instruction on the discipline:

Department: *NAVAL ARCHITECTURE AND MARINE ENGINEERING*
FACULTY OF SHIPBUILDING

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Annotation: The aims of the subject is the study the functions and elements of the hull structures. The course is based on the knowledge from part 1 of the same subject and study characteristics of strength dimensioning

The course will provide the students with a sufficient theoretical knowledge about the ship structures and the implementation of scantling rules

Main issues of the syllabus content:

- bending the ship on still water;
- bending the ship on wave;
- overall ship strength;
- structure systems;
- hull structures;
- workability of the hull structures;
- ship shell;
- bottom structures;
- side structures;
- deck structures;
- bulkheads
- superstructures and trunks;
- foundations, bulwarks, pillars;
- structures of oil and gas platforms.

Content presentation:

- Lectures
- Laboratory exercises