

Code: 47 „Strength and Structure of Ships - project”

ECTS credits: 2

Forms of assessments: Course project

Number of hours per week:

0+0+0(30)

Types of assessment: Project defense

Department, providing instruction on the discipline:

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

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**Annotation:** The preparation of course project requires from the student to apply the gained knowledge during the lectures and laboratory exercises on the subject

There are several design task connected with ship structure for a given ship type, theoretical lines, ship speed, type of cargo etc.

**Main issues of the syllabus content:**

- Estimation of the Rule based bending moment
- General arrangement of the ship
- Design of the geometry of midship section – spacing, height of DB, double side etc.
- Scantling elements of the midship section
- Strength evaluation of transversal section subjected to longitudinal bending

**Content presentation:**

Course project