

Code: 43,,Strength and Structures of Ships - part 1”

ECTScredits: 5	Number of hours per week: 2+0+1
Forms of assessments:Exam	Types of assessment: Exam - written with oral discussion
Department, providinginstruction on the discipline: Department: <i>NAVAL ARCHITECTURE AND MARINE ENGINEERING</i> <i>FACULTY OF SHIPBUILDING</i>	

Lecturer: Assoc. Prof. Dr. Hristo Trendafilov

Department: NAVAL ARCHITECTURE AND MARINE ENGINEERING

Tel..+359 52 383 364

e-mail:h.trendafilov@tu-varna.bg

Annotation:The discipline teaches the main issues related to the determination of the external forces acting on the ship and marine structures. The course includes issues of the working ability of structural elements, the external loading norms and the materials used

Main issues of the syllabus content:

- Introduction. Classification of ships and marine structures;
- External forces;
- External loads norms;
- Physical strength models of the ship and marine structures
- Capacity of the structural elements ;
- Concentration of stresses in the structural elements ;
- Materials used ship and marine structures.

Content presentation:

- Lectures
- Laboratory exercises