Discipline	STRUCTURE and STRENGHT of SHIPS	S - PROJECT	code: 40	2nd Semester Third Year
Specialty	NAVAL ARCHITECTURE AND MARINE TECHNOLOGY			
ECTS credits: 4	Form of assessment: Project defense			
Lecturer	Assist. prof. Yordan Denev Room 418a M Phone: +359 52 383 384 E-mail: y.denev@tu-varna.bg			
Department	Department of Naval Architecture, Marine Engineering			
Faculty	Faculty of Shipbuilding			

Learning objectives:

/ANNOTATION/

Students are introduced to ship structure, hull, elements as well as to their calculation, sizing, design. Students must be familiar with the first part of the discipline under consideration in order to be able to finish successfully this course also.

The project provides opportunities and consolidates gained knowledge in both parts of the discipline – students take decision on design and materials as well as calculate, size and draw the midship section of ship's hull and calculates forces and stresses exerted by ship's hull.

CONTENTS:

Shear stress forces calculations

Design of ship's arrangement

Scaling of ship's structure elements

Drawing of the midship section of hull

Total: 30 hours. ECTS credits: 4