Code : 04 Fundamentals of shipbuilding and naval technique

ECTS Credits 6 Number of hours per week: 2+0+1

Forms of assessments: Types of assessment:

Exam Exam – written

Department : Naval Architecture and Marine Engineering

Lecturer : Assoc. Prof. P. Georgiev

Annotation :

The discipline is a part of education Plan of students Naval Architecture and Marine Technology, Bachelor degree in 1-st semester. The main target of the subject to make students familiar with basic definitions and characteristics of complex technical systems, classification of ships, vessels capabilities on sea, exploitation parameters of ship constructions and systems. The accent falls upon mathematical and physical principles. During laboratory exercises some practical problems are solved using also multimedia equipment and software.

Main parts of content :

* Basic mathematical principles, physical quantities
* Classification and features of ships and marine facilities
* Main dimensions of the ship
* Ship theory
* Ship parameters
* Stages in ship project realization
* Technology of shipbuilding.

Structure of educational process: Lectures and laboratory exercises with a lot of materials, short movies in order to assimilate the terminology and physics of the processes.