


Discipline	PHYSICS	code: 6	summer semester
Specialty	Naval Architecture and Marine Technology Navigation		
ECTS credits: 5	Form of assessment: exam		
Lecturer	Assoc. Prof. DSc. Alexander Ogoyski Room: 818 E Phone: +359 894 207 818 E-mail: ogoyski@abv.bg		
Department	Mathematics and Physics		
Faculty	Faculty of Electrical Engineering		

Learning objectives:

The General Physics course provides basic knowledge in Classical and Relativistic Mechanics, Electrodynamics, Thermodynamics, Classical and Quantum Optics and Atomic and Nuclear Physics.

ANNOTATION

General Physics is a fundamental discipline, the basis of all applied technical sciences. Physical knowledge is of crucial importance for the future engineer- manager. The purpose of this course is not only to acquaint students with basic physical laws, but also to establish a common philosophic idea about the modern concept of the Universe creation and recent tendencies of development of Physical Science.

CONTENTS:

Training Area	Hours lectures	Hours lab exercises
Classical Mechanics	4	3
Relativistic Mechanics	4	2
Classical Electrodynamics	5	3
Thermodynamics	5	2
Classical and Quantum Optics	5	3
Atomic and Nuclear Physics	7	2
TOTAL: 45 h	30	15