Discipline	MATHEMATICS Part 1 code: 1 **winter semester**	
Specialty	Naval Architecture and Marine Technology Marine Engineering Navigation	
ECTS credits: 7	Form of assessment: exam	
Lecturer	Assoc. Prof. Dr. Vsevolod Ivanov Ivanov Room: 808 E Phone: +359 878 148 179 E-mail: vsevolodivanov@yahoo.com	
Department	Mathematics and Physics	
Faculty	Faculty of Electrical Engineering	

Learning objectives:

- acquisition of knowledge in the basic sections of mathematics (linear algebra, analytical geometry, differential calculus of functions of one variable, spherical trigonometry);
- acquisition of potential skills to apply the methods of mathematical analysis in solving applied problems;
- development of logical and algorithmic thinking.

ANNOTATION

The aim of the course is to provide future engineers with the necessary mathematical knowledge to study special engineering disciplines. It introduces the students to the main concepts of linear algebra, analytical geometry and calculus. The course develops the ability of enrich mathematical knowledge and conduct mathematical analysis of applied problems.

CONTENTS:

Training Area	Hours lectures	Hours seminar exercises
Linear Algebra	7	10
Analytical Geometry	7	10
Differential Calculus of functions of one independent variable	10	15
Spherical Trigonometry	6	10
TOTAL: **75** h	**30**	**45**