


Discipline	MATHEMATICS Part 2	code: 6	summer semester
Specialty	Software and Internet Technologies		
ECTS credits: 9	Form of assessment: exam		
Lecturer	<p>Assoc. Prof. Dr. Vsevolod Ivanov Ivanov Room: 808 E Phone: +359 878 148 179 E-mail: vsevolodivanov@yahoo.com</p>		
Department	Mathematics and Physics		
Faculty	Faculty of Electrical Engineering		

Learning objectives:

- acquisition of knowledge in the basic sections of mathematics (analytic geometry, number theory, combinatorics, algebraic structures, probability theory and statistics);
- acquisition of potential skills to apply the methods of mathematical analysis in solving applied problems;
- development of logical and algorithmic thinking.

ANNOTATION

Mathematics Part 2 is a fundamental discipline, which is an upgrade of Mathematics Part 1. The aim of the course is to provide future engineers with the necessary mathematical knowledge to study special engineering disciplines. More over, it introduces students to the mathematical equipment needed to solve theoretical and practical problems and develops their logical and algorithmic thinking.

CONTENTS:

Training Area	Hours lectures	Hours seminars	Hours laboratory seminars
Analytic Geometry	6	6	3
Number Theory	6	6	3
Combinatorics	4	4	2
Algebraic Structures	6	6	3
Probability Theory and Statistics	8	8	4
TOTAL: 75 h	30	30	15