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Discipline	HIGHER MATHEMATICS Part 2	code: 8	<b>summer semester</b>
Specialty	Naval Architecture and Marine Technology Navigation		
ECTS credits: 5	Form of assessment: exam		
Lecturer	Assoc. Prof. Dr. Vsevolod Ivanov Ivanov Room: 118 NUK Phone: +359 878 148 179 E-mail: vsevolodivanov@yahoo.com		
Department	Mathematics and Physics		
Faculty	Faculty of Electrical Engineering		

Learning objectives:

Higher Mathematics Part 2 provides basic knowledge in Integral Calculus, Multivariable Integral Calculus, Ordinary Differential Equations, Infinite Series, Complex Numbers and Functions of a Complex Variable, Theory of Probability.

#### ANNOTATION

Higher Mathematics Part 2 is a fundamental discipline, which is a continuation of Higher Mathematics Part 1. The aim of the course is to provide the future engineer with the necessary knowledge in mathematics to study special disciplines and physics. It also teaches the students how to think using the causal link between the objects.

#### CONTENTS:

Training Area	Hours lectures	Hours seminar exercises
Integral Calculus of a Function of a Single Variable	7	8
Double and Line Integrals	5	4
Ordinary Differential Equations	4	4
Number Series, Power Series and Fourier Series	6	7
Complex Numbers and Functions of a Complex Variable	3	2
Theory of Probability	5	5
<b>TOTAL: 60 h</b>	<b>30</b>	<b>30</b>