

Discipline	BASIC MATHEMATICS	code: 01	winter semester
Specialty	Computer Systems and Technologies		
ECTS credits: 7	Form of assessment: exam		
Lecturer	Assoc. Prof. Zlatka Mateva, PhD Room 807E Phone: +359 52 383 228 E-mail: mateva@tu-varna.bg		
Department	Software and Internet Technologies		
Faculty	Faculty of Computing and Automation		
Learning objectives:			
The discipline "Basic Mathematics" provides fundamental preparation for the students of the specialty "CST" at the Technical University - Varna. The aim is to develop students' mathematical knowledge and skills to create correct mathematical models and effective algorithms to solve practical problems in the field of computer engineering.			
CONTENTS:			
	Training Area	Hours lectures	Hours seminar exercises
	Complex numbers	5	5
	Linear algebra	5	5
	Analytical geometry	5	5
	Number theory	5	5
	Differential calculus of the function of one variable	5	5
	Numerical methods	5	5
	TOTAL:	60 h	30
		30	30