

Study program: Industrial Engineering – Mechanical Engineering			
Course title: Mathematics 2			
Professor/assistant: Olga D. Miljković			
Type of course: Compulsory			
ECTS credits: 6			
Prerequisites: none			
Aims of the course: Mastering logical thinking and applying it on solving problems in professional practice and engineering. Competence for solving mathematical problems in engineering.			
Learning outcomes: The student independently applies real functions, integrals, differential equations, and probability elements in solving engineering problems.			
Syllabus: <ol style="list-style-type: none"> 1. Real functions 2. Indefinite and definite integrals 3. Differential equations of the first and second order 4. Elements of probability 			
Literature: <ol style="list-style-type: none"> 1. O. Miljković, M. Lazić, Matematika za menadžere, Fakultet za inženjerski menadžment, Beograd, 2010 2. Grupa autora, Matematika za više tehničke škole, Savremena administracija, Beograd, 1990 			
Total number of active classes: 90		Lectures: 45	Practical classes: 45
Teaching methods: Lectures and practical exercises.			
Grading system (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.			
Pre-exam obligations:	Points:	Final exam:	Points:
Activity during lectures	max 5	Written exam	50
Practical training	max 5		
Written test(s)	max 40		
Minimum requirement for the final exam	30		