Study program: Road Traffic 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:
1. Real functions
2. Indefinite and definite integrals
3. Differential equations of the first and second order
4. Elements of probability

Literature:
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 theoretical lectures	max 5	Written exam	50
Practical training	max 5		
Written test(s)	max 40		
Minimum requirement for the final exam	30		