Study programmes: BACHELOR STUDIES - Mathematics				
Course name: Differential equations A				
Lecturers: Nebojša Lažetić, Đorđe Krtinić, Darko Milinković, Jelena Katić				
Status: Compulsory				
ECTS: 5				
Attendance prerequisites: No prerequisites.				
Course aims: Acquiring general and specific knowledge from differential equations.				
Course outcome: By the end of the course, the student has basic knowledge of differential equations (ordinary, partial, etc.). Furthermore, he understands the concepts of differential equations. It is capable of solving various types of differential equations, basic and known equations of application. It is able to apply knowledge in applications (dynamic systems, etc.) in order to solve the problem.				
Course content: First order differential equations, higher order different equations, normal systems of differential equations, analytic theory of differential equations.				
Literature: 1. R. Šćepanović, J. Knežević-Miljanović, Lj. Protić, Diferencijalne jednačine, 2005. 2. S. Janković, J. Knežević-Miljanović, Diferencijalne jednačine (zadaci sa elementima teorije I deo), 2000. 3. S. Janković, J. Knežević-Miljanović, Diferencijalne jednačine II (zadaci sa elementima teorije II deo), 2003.				
Number of hours: 4	**Lectures**: 2	**Tutorials**: 2	**Laboratory**: -	**Research**: -
Teaching and learning methods: Frontal / Tutorial				

Assessment (maximal 100 points)			
Course assignments	**points**	**Final exam**	**points**
Lectures	10	Written exam	30
Exercises / Tutorials	-	Oral exam	40
Colloquia	20	Written-oral exam	-
Essay / Project	-		