Course: Linear partial differential equations	
Course instructors: Marko Nedeljkov	
Course type: elective	
Credit points ECTS: 12	
Prerequisites: none	
Course objectives: Invite students into the theory of linear PDEs	
Learning outcomes: Understanding of the basic principles of linear PDEs analysis	
Course description (outline): *Theoretical classes* *Characteristics. Holmgrens Theorem , harmonic analysis with applications. Distributions, Sobolev spaces. Wave, heat, Laplace, Schroedinger equations. Energy inegral, maximum principles*	
References: 1. *J. Rauch. Partial Differential Equations, Springer 1992.* 2. L.C. Evans, Partial Differential Equations, II ed, AMS 2012	

Active teaching hours : 5	Theoretical classes: 5	Practice classes:

Methods of teaching: Lectures and independent work of students	
Grading structure (100 points) 50 Colloquia, 50 Exam	