Level: bachelor				
Course title: Graph Theory (M4-32)				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives Basic concepts and proof techniques. Graph algorithms and applications.				
Learning outcomes: Students are expected to be able to prove most of standard theorems in Graph Theory and to solve related problems.				
Syllabus: *Theoretical instruction* Terminology and basic concepts. Trees. Eulerian and Hamiltonian graphs. Matchings. Planar graphs. Graph colourings. Digraphs. *Practical instruction* Solving various problems using theoretical results.				
Weekly teaching load				Other: 0
Lectures: 2	Exercises: 2	Other forms of teaching: 0	Student research: 0	