

Level: bachelor				
Course title: Linear Algebra (M4-09)				
Status: obligatory				
ECTS: 8				
Requirements: none				
Learning objectives Acquiring basic knowledge and skills in linear algebra.				
Learning outcomes Average student will be able to understand and apply elementary assertions of linear algebra. Successful student will be able to prove more sophisticated theorems and to apply them in practical problems.				
Syllabus <i>Theoretical instruction</i> Vector spaces. Inner product spaces. Linear transformations. Matrices. Polynomial matrices. Canonical forms. Quadrics. <i>Practical instruction</i> Solving basic problems of linear algebra through exercises and applications of techniques of linear algebra in algebra and geometry.				
Weekly teaching load				Other: 0
Lectures: 4	Exercises: 3	Other forms of teaching: 0	Student research: 0	