

Study programmes: MASTER STUDIES - Mathematics			
Course name: Selected topics of geometry B			
Lecturers: Vladica S. Andrejić, Miroslava Ž. Antić, Srđan N. Vukmirović, Mirjana Đ. Đorić, Zoran S. Lučić, Zoran P. Rakić			
Status: Optional			
ECTS: 8			
Attendance prerequisites: No prerequisites.			
Course aims: Expanding and upgrading previous knowledge from geometry.			
Course outcome: Upon completion of the course, the student mastered some special topics in geometry. Students are qualified for individual work and use of acquired knowledge.			
Course content: Some of the following topics: Euclidean geometry, projective geometry, hyperbolic geometry, elliptic geometry, theory of curves and surfaces.			
Literature:			
1. H.S.M. Coxeter, S.L. Greitzer: Geometry Revisited, MEA, 1967.			
2. H.S.M. Coxeter, Non-Euclidean geometry, The Mathematical Association of America, 6ed., 1998.			
3. D.W. Henderson, Experiencing Geometry on Plane and Sphere, Prentice Hall, Upper Saddle River, 1996.			
4. D. A. Brannan, M. F. Esplen, J. J. Gray, Geometry, Cambridge University press, 1999.			
5. M. Audin, Geometry, Springer, 2003.			
Number of hours: 7	Lectures: 3	Tutorials: 2	Laboratory: -
Research: 2			
Teaching and learning methods: Frontal / Tutorial			
Assessment (maximal 100 points)			
Course assignments	points	Final exam	points
Lectures	-	Written exam	-
Exercises / Tutorials	-	Oral exam	60
Colloquia	-	Written-oral exam	-
Essay / Project	40		