

Study programme(s): Master in Mathematics Teaching (MP)				
Level: master				
Course title: Descriptive Geometry (MP-09)				
Lecturer: Nevena V. Pušić				
Status: obligatory				
ECTS: 5				
Requirements: none				
Learning objectives Learning methods of orthographic projection on one, two and three mutually orthogonal planes, elements of other methods of parallel and central projecting.				
Learning outcomes Better understanding of spatial geometric relationships, development of inner eye, ability of simplifying of complicated plane and spatial geometric problems.				
Syllabus <i>Theoretical instruction</i> Systems of parallel projecting. Traces. Rotating a straight line around its trace. Rotating a plane about its trace. Real size of objects. Principal lines. Mutual position of a point, straight line and a plane. Peak elevation in projection. Perspectively collinear and affine transformations. Section. Shadows., Normal axonometry. Central projection. <i>Practical instruction</i> Solving problems from the upper content.				
Literature 1. Милош и Војна Радојчић: Нацртна геометрија 2. Лазар Довниковић: Нацртна геометрија 3. Загорка Шнајдер: Нацртна геометрија 4. E. Watts, S. Rule: Descriptive Geometry				
Weekly teaching load				Other:
Lectures: 2	Exercises: 2	Other forms of teaching:	Student research:	
Teaching methodology Blackboard.				
Grading (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Practical activities	60	Oral exam	40	