

Study Programme: LANDSCAPE ARCHITECTURE			
Course Unit Title: Descriptive geometry			
Course Unit Code: 19.URV003			
Name of Lecturer(s): Milan D. Tomić			
Type and Level of Studies: Undergraduate (8 semesters, 240 ECTS)			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): winter			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: -			
Course Aims: The aim of the course is that students learn to draw and use technical documentation landscape area and that they develop a sense for the graphical representation of ideas and concepts of these areas.			
Learning Outcomes: Students will have theoretical and practical knowledge of descriptive geometry necessary for the development and use of technical and technological design documentation of landscape area. Students will have theoretical and practical knowledge of descriptive geometry necessary for the development and use of technical and technological design documentation landscape area. After passing the course, students will be able to unambiguously define the landscape area on drawing from the idea to the design solution; to visualize objects in space and on drawing and acquired knowledge monitor and analyze other subjects.			
Syllabus: <i>Theory lessons</i> Angled and orthogonal projections of points, lines, planes and their relationships. Application of the transformation and rotation. Angled and orthogonal projection of angular and rounded body. Mutual sections of the plane and the body. Projection with points, lines and planes and their relationships. Contours level and field. The intersection of the surface topography. Application quoted projections. Drawing terrain, roads, canals, plateau etc. Path and the boundaries of embankments and gulches. Types of drawings. Orthogonal and axonometric drawings. The central projection. Application of central projection in the drawing of large spaces. Schematic drawings. Graphical symbols for drawing schematic drawings. <i>Practical teaching: Exercise, Other modes of teaching, Study research work</i> Preparation of drawings during exercises. Independent production of graphic works. View and defense graphic works.			
Required Reading: 1. Gligorić Radojka: Descriptive geometry – application, Faculty of Agriculture, University of Novi Sad, 2015. 2. Томић М., Глигорић Радојка, Collection of solved tasks in descriptive geometry, Faculty of Agriculture, University of Novi Sad, 2017 3. Skala A. Descriptive geometry, University of Novi Sad, 1988. 4. Gligorić R. Engineering communications, Faculty of Agriculture, University of Novi Sad, 2015. 5. Симикић М., Глигорић Радојка: Collection of tasks from engineering communications, Faculty of Agriculture, University of Novi Sad, 2016 6. Dovniković L, Descriptive geometry, University of Novi Sad, 1994			
Weekly Contact Hours: 6	Lectures: 3	Practical work: 3	
Teaching Methods: The method of oral presentations and discussions. Method of presentations, demonstrations, simulations and illustrations on the board and using computers and via video presentation. Method of drawing and illustrating.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	6	written exam	48
Practical work	30		
Preliminary exam(s)	16	
Seminar(s)	-		