Study Programme: LANDSCAPE ARCHITECTURE

Course Unit Title: Computer Technology in Design

Course Unit Code: 19.PEJ011

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): summer

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 use a computer for graphic presentation of ideas and concepts for the purposes of making and using technical documentation and projects in the field of landscape architecture.

Learning Outcomes:

Students will acquire the necessary knowledge and skills for independent use of a professional program for designing, creating and presenting project technical documentation for landscaping.

Syllabus:

Theory:

Introduction to the AutoCAD environment. Introduction to working with tools and techniques in AutoCAD. Introduction to the StartUP dialog. Elements of drawing, modifying and dimensioning (dimensioning) 2d drawings. Prepress and printing. Introduction to 3d modeling, creation of basic full models, creation of 2d profile models, creation of complex full models, object conversion, position change and model duplication. Getting information from a 3d object. Creating cross-sections of models and technical drawings. Visualization of 3d models.

Practical classes:

Creating drawings of parts that are processed in a lecture. Independent of seminar paper application software that processing the lectures. View and defense seminar studies.

Required Reading:

1. Gligorić R., Milojević Z. Technical drawing - engineering communications, Faculty of agriculture, Novi Sad 2004.
2. Letić D. Engineering Graphics for Auto CAD, (Computerized library, Edition Stvarni Svet, Cacak, 2005.
3. Letić D. CAD mechanical elements and structures, Computerized library, Edition Stvarni Svet, Cacak, 2005.
4. Gligorić R., Tomić M., Anđelković S. (Introduction to computer graphics, Handout, Faculty of agriculture, Novi Sad, 2007

Weekly Contact Hours: 4	**Lectures:** 2	**Practical work:** 2

Teaching Methods:

Method of oral presentation and conversation. Methods of presentation, demonstration, simulation, drawing and illustration using computers. Consultations and seminar papers. Method of practical work (computer methods).

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation	5	written exam	50
Practical work	10		
Preliminary exam(s)	35	…….	
Seminar(s)	-		