Course title: Descriptive Geometry 2

Course Basic Information					
Academic Unit:	Faculty of Civil Engineering				
Course title:	Descriptive Geometry 2				
Level:	Bachelor				
Course Status:	Elective				
Year of Study:	1 st Year 2 nd Semester				
Number of Classes per Week:	2+1				
ECTS Credits:	3 ECTS				
Time /Location:	According to the announced timetable				
Teacher:	Prof.asoc.Dr. Arta Basha-Jakupi				
Contact Details:	Email: arta.jakupi@uni-pr.edu www.fn.uni-pr.edu				
Course Description:	Design methods. Interference of polyhedric bodies, Geometric				
	design of regular geometric roofs, Design of irregular geometric				
	roofs with restrictions,				
Course Goals:	Basic preparation for professional and technical presentation of				
	architectural projects as well as development of skills for				
	understanding three-dimensional space and spatial thinking. Basic				
	preparation for the professional and technical presentation of				
	three-dimensional forms, namely construction and architectural				
	projects, development of skills for understanding three-				
	dimensional space and spatial thinking in the context of articulating				
	the basic notions in the construction profession. The course is part				
	of the group of preparatory courses and enables the acquisition of				
	basic knowledge for further study in the field of Construction and				
	Spatial Problems.				
Expected Learning Outcomes:	-To provide students with the basic content of descriptive				
	geometry and its application in order to enable them to translate				
	the geometric patterns of the three dimensions of architecture into				
	normatively correct representations.				
	- be able to make a two-way connection between reality and its				
	measurable graphical model. This knowledge is essential to				
	understanding space and its representation in two dimensional				
	support. The student will also possess the basic knowledge to				
	master all drawing tools.				
	- the application of the various methods of representation made by				
	the study of descriptive geometry and the practice of manual				
	mapping will allow the learner to develop their own graphic				
	language and expression in the specific field of architecture.				
	- developing skills for understanding two-dimensional and three-				
	dimensional space and spatial thinking.				
Student Workload (should be in compliance with student's Learnign Outcomes)					

Activity		Hours	Day/ Week	Total		
Lectures		2	14	28		
Theory/ Lab Work/Exercises		2	14	28		
Practical Work						
Consultations with the teacher		0.3	10	3		
Field Work						
Test, seminar paper		1	11	1/		
Self-ctudy (library or homo)		L	14	14		
Prenaration for final exam		1	2	2		
Assessment time (test, guiz, final						
exam)						
Projects, presentations, etc.						
Total				75		
Teaching Methods:		The method of learning the subject of Descriptive Geometry 2 consists of giving lectures and holding exercises for special weekly				
		certain teaching units.				
Assessment Methods:		First assessment; Second assessment; Assessment of exercises;				
		Assessment of models; Regular follow-up; Final exam; Total				
(average percentage) 100%.						
Primary Literature:		Lecture prepared by Prof.asoc.dr.Arta Basha-Jakupi				
		Flamur DOLI, Gjeometria Deskriptive, Prishtinë,				
Additional Literature:		Pottmann, H, Andreas A., (2007) et al. Architectural Geometry. Bentley				
		Institute Press.				
		G.R. Bertoline, E.W. Wie	ebe, C.L. Miller, L.O. Nasn	nan, (1995) Engineering		
		Graphics Communication. R.D. Irwin Inc., Chicago, Chapter 11, pp. 597–				
		695.				
		The Projective Cast: Architecture and Its Three Geometries. MIT Press,				
Designed teaching plan		2000				
Week Title of the Lecture						
Week 1:	Introduction					
Week 2:	Rotary body intersection. Flat cone cutout					
Week 3:	Intersection of polyhedric troops					
Week 4:	Pyramid intersection with prism					
Week 5:	Prism intersection with prism.					
Week 6	Pyramid intersection with pyramid					
Week J.	Potony body intersections. Cloning constitutes with line					
Week 7:	Kotary body intersections. Sloping cone intersection with line.					
vveeк 8:	Sloping cylinder intersection with line.					
Week 9:	Sphere intersection with vertical prism.					
Week 10:	Intersection of regular vertical cylinder with horizontal prism in steep					
	projection.					
Week 11:	Geometric Root Solution					
Week 12:	Geometric solution of multi-aquatic roofs.					
Week 13:	Geometric solution of composite roofs - with barriers					
Week 14:	Geometric solution of composite roofs					
Week 15: Preparation for the exam.						
Academic Policies and Code of Conduct						

We start and finish class on time.

Tools used during class must be cleaned and stored away at the end of class.

Mobile/smart phones, and other electronic devices (e.g. iPods) must be turned off (or on vibrate) and hidden from view during class time.

Laptop and tablet computers are allowed for quiet use only; other activities such as checking personal e-mail or browsing the Internet are prohibited.

Note | If a student has more than 3 class assignments evaluated below 50% he/she loses the right on taking the final exam. Evaluation is done from 0-100 %.