Меѓународен Универзитет Визион - International Vision University
Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
DESIGN GEOMETRY	**CIV-1001**	**1**	**210**	**7**

Prerequisite(s)	None

Course Language	Macedonian, Turkish, English
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	Reading projects, explaining designs through drawing, drawing perspective
Course Learning Outcomes	1- Students will be able to learn the concept of projection, which forms the basis of project drawing. 2- Students will be able to develop their three-dimensional thinking skills. 3- Students will be able to make three-dimensional drawings. 4- Students will be able to draw three-dimensional drawings by reducing them to two dimensions. 5- Students will learn the dimensioning rules used in civil engineering and architecture. 6- Students can draw horizontal and vertical sections in buildings.
Course Contents	Drawing materials and the use of materials to be used in the lesson, Definition of Technical Drawing and Design Geometry, Concept of Projection, Projection types, Perspective, Obtaining Epur, Point projections, Line types and projections, Projections of 3D objects, Line types and thicknesses, Scale concept, Dimensioning rules, Thickening methods; Concept of plan and section, definition of Autocad and drawing environment, Opening files, merging files; commands for collaborating with different types of files, Two-dimensional drawings; Drawing commands, Object editing and editing commands, Image control commands, Layers, Dimensioning settings and dimensioning, Block preparation, library creation and use commands, Text and scanning commands, Output.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Meaning of Technical Drawing and Design Geometry, Introduction of Technical Drawing tools, Projection; Projection types	Related Chapters of Course Sources
2	Projection rules, Point projections, Obtaining the Epure, Lines; Description of the line, various positions and projections of the lines	Related Chapters of Course Sources
3	Using drawing tools, Removing the projections of a geometric object, Perspective drawing, Line types and thicknesses	Related Chapters of Course Sources
4	Dimensioning Rules in Views, Thickening Methods, Scale concept, Application 1; Drawing, dimensioning, thickening of the aspects of a structure	Related Chapters of Course Sources
5	Concept of Plan and Section, Dimensioning Rules in Plans and Sections, Practice 2; Drawing, dimensioning, thickening of plan and vertical sections of a structure	Related Chapters of Course Sources
6	Application 3; Drawing, dimensioning, thickening of plans, sections and views of a building	Related Chapters of Course Sources
7	Definition of AutoCAD, AutoCAD drawing environment, AutoCAD Screen, Toolbars, Shortcut keys, Command and data entry, opening and storing drawing file, working with saved file, output. Object capture commands	Related Chapters of Course Sources
8	MIDTERM EXAM	Related Chapters of Course Sources
9	Selection commands, Drawing commands and its application: Line, ray, construction line, multiline, multiline style, rectangle, line, polygon, arc, circle, donut, spline, ellipse, point, point style	Related Chapters of Course Sources
10	Image control commands; Zoom, pan, view, hide, shade, redraw, regen. Object Editing and Correction Commands; Erase, copy, move, offset, trim, rotate, scale, mirror, array. Writing; Text commands, text correction commands	Related Chapters of Course Sources
11	Object Editing and Correction Commands; Explode, stretch, break, extend, fillet, chamfer, lengthen, edit, properties, match prop, change, undo, redo, Layers	Related Chapters of Course Sources
12	Dimensioning; Dimensioning commands, dimension styles, dimensioning correction commands, dimensioning in accordance with civil engineering drawing rules.	Related Chapters of Course Sources
13	Block and reef commands, OLE object; block editor, design center, tool palettes window Scan commands Query commands; Status, list, area, distance. Drawing commands.	Related Chapters of Course Sources
14	Application 4; Drawing, dimensioning and thickening of plans, views and sections of a structure according to Technical Drawing rules with AutoCAD	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS	**7**		

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	Mimarlık'ta Teknik Resim, 1997	Orhan Şahinler, Fehmi Kızıl
2	Mimari Tasarıma Temel Tasarı Geometri, 1988	Ali Düzgün
3	Her Yönüyle AutoCAD 2012	Gökalp Baykal

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1		
2		
3		

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	**17**	**%100**

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.