



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

Adres: Ul. Major C. Filiposki No.1, Gostivar – Kuzey Makedonya  
tel: +389 42 222 325, www.vizyon.edu.mk, [info@vizyon.edu.mk](mailto:info@vizyon.edu.mk)

### SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
COMPUTER AIDED DESIGN 1	ARC-2004	3	150	5

<b>Prerequisite(s)</b>	None
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<b>Course Language</b>	Macedonian, Turkish, English
<b>Course Type</b>	Elective
<b>Course Level</b>	First Cycle
<b>Course Lecturer</b>	
<b>Course Assistants</b>	
<b>Classroom</b>	
<b>Extra Curricular Office Hours and Location</b>	<b>Meeting:</b> <b>Consultancy:</b>

<b>Course Objectives</b>	Teaching the principles of technical drawing and the methods of drawing, using software packages.
<b>Course Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Having the ability to generate architectural designs that satisfy aesthetic and technical requirements.</li> <li>• Having the sufficient knowledge for architectural history and the theory of architecture-related art.</li> <li>• Having the sufficient knowledge for urban planning, urban design and planning processes.</li> <li>• To prepare reports on project designs and become familiar with research methods.</li> </ul>
<b>Course Contents</b>	AutoCAD drawing, creation and editing environments, technical drawing on standard paper used in geometric drawings, the lines, articles, letters and scales that are used in technical drawings, alternative views, averaging views, size perspective drawing.

## WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

<b>Week</b>	<b>Subjects</b>	<b>Related Preparation</b>
1	Technical Drawing. Standarts. Projections and view	Related Chapters of Course Sources
2	The introduction of computer-aided drawing programs. Coordinated of AutoCAD input methods. Line Command	Related Chapters of Course Sources
3	Methods for entering coordinates and angular drawing aids, Osnap, Ortho, Dyn, Lwt,... Drawing Applications.	Related Chapters of Course Sources
4	Types of circle and arc commands. Help to start drawing with Base Point. Circles and spring applications.	Related Chapters of Course Sources
5	Polygon, points, command of divide, measure, command of trim and extend.	Related Chapters of Course Sources
6	Commands of fillet and chamfer. Commands of Scale. Commands of Rectangular array and Polar array.	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Properties: color, line weight and line type.	Related Chapters of Course Sources
9	The sample of project drawing	Related Chapters of Course Sources
10	AutoCAD drawing methods with a view, Construction line, view applications.	Related Chapters of Course Sources
11	Apparently drawing applications	Related Chapters of Course Sources
12	Scaling rules. Tolerances. Applications	Related Chapters of Course Sources
13	Available clock constructions on AutoCAD. Addiong drawings and the design center to a block.	Related Chapters of Course Sources
14	Calling of the block from the design center	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
<b>Total Work Load</b>			
<b>ECTS</b>			<b>5</b>

**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	AutoCAD 2010 2B Çizim Uygulamaları	Feridun Karakoç
2	Вовед во компјутерски помогнато проектирање	д-р Косто. Мангароски
3	ArchiCAD: Best Practice: The Virtual Building Revealed	Herbert Peter

**ADDITIONAL LITERATURE**

No	Name of the book	Author's Name, Publishing house, Publication Year
1	Mimaride İzdüşüm ÇizimYöntemleri	Türkçü, H. Ç,BirsenYayınevi
2	Mimarlıkta Teknik Resim	Şahinler, O., Kızıl F., 1990, Yay Yayıncılık, İstanbul
3		

## EVALUATION SYSTEM

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

## 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.