Меѓународен Универзитет Визион - International Vision University Universiteti
NdërkombëtarVizion - Uluslararası VizyonÜniversitesi

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SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
COMPUTER AIDED DESIGN 2	**ARC-2010**	**4**	**150**	**5**

Prerequisite(s)	None

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

Course Objectives	Giving information's about ArchiCAD, the most used application for two-dimensional drawing and three-dimensional modeling. It will be covered for modeling and designing, tissue, rendering the object position and animations.
Course Learning Outcomes	• Having the ability to generate technical and aesthetic requirements for architectural designs. • To have the sufficient knowledge about Architectural history, theory of architecture-related art, technology and humanities. • To have the sufficient knowledge about urban planning, planning processes and urban designs. • To prepare report on project design and become familiar with research methods. • To have the sufficient information's about building technology, the the physical problems in order to provide comfort indoors and climate protection..
Course Contents	Issues related to the geometric modeling and image processing techniques will be studied. Issues related to three-dimensional modeling and visualization techniques will be studied.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction in Two and Three-Dimensional Modelling	Related Chapters of Course Sources
2	Basic drawing and editing commands	Related Chapters of Course Sources
3	Basic drawing and editing commands	Related Chapters of Course Sources
4	Basic drawing and editing commands	Related Chapters of Course Sources
5	Basic drawing and editing commands	Related Chapters of Course Sources
6	Scaling Tools	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Design	Related Chapters of Course Sources
9	Introduction to Visualization	Related Chapters of Course Sources
10	Texture and material assignment	Related Chapters of Course Sources
11	Light sources	Related Chapters of Course Sources
12	Rendering	Related Chapters of Course Sources
13	Camera animation	Related Chapters of Course Sources
14	Camera animation	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	**5**		

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	Моделирање на процеси со обликување, умножени предавања	А.Кочов, Ј.Чалоска, МФС, 2005
2	Modeling of Metal Forming and Machining Processes	Dixit, Prakash Mahadeo, Dixit, Uday Shanker, by Finite Element and Soft Computing Methods, 2008
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	Digital Design and Computer Architecture 2nd Edition	David Harris, Sarah Harris, Amazon, 2010
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.