



DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 2157	Basics of ArchiCAD for Interior Design	2023-2024 / Spring	3	0	3	3

Level of Course: Undergraduate

Course Type: Elective

Language of Instruction: English

Course time: Wednesday 10.00-13.00

Course classroom: BG-04

Mode of Delivery: Presentation, Assignments

Prerequisites and None

Co-requisites:

Course Coordinator:

Name of Lecturer(s): Lec. Kadir Emre BAKIR

Course Teaching

Assistant:

Course Objectives: Introduction and providing fundamental knowledge with practices to Graphisoft ArchiCAD BIM software.

Course Description: The aim is to furnish students with fundamental knowledge of 3D modelling with ArchiCAD. Models that consist of basic parametric objects provided from ArchiCAD ease students to create and present their designs. The course focuses on mainly spatial design rather than object modelling.

Learning Outcomes: **Upon successful completion of the course, students will be able to:**

- Students will be able to recognize ArchiCAD interface
- Students will be able to use design tools of ArchiCAD.
- Students will be able to create different views (plans, elevations, sections, 3D views etc.) directly from model
- Students will be able to create simple renovation models through "Renovation Tool".
- Students will be able to create presentation boards, layouts by using ArchiCAD.

Language: The class and discussions will be in English.

Text Books: -

Recommended Text Books:

- MacKenzie, S. H., Rendek, A. (2015). ArchiCAD 19 – The Definitive Guide, Packt Publishing.

For the terminology: -

Reading Text books: -

Planned Learning Activities and Teaching Method: **Learning/Teaching Method:** The expected learning outcomes for the course will be assessed through: Class hour submissions, a Midterm Exam, Final Project and Class discussions and feedback.

Assignments: Students are required to complete and submit assignments for both in class exercise and home works according to syllabus.

Class Participation: Regular attendance of all enrolled classes is expected. Do not be late to the class. Attendance will be taken through your signature within the first 15 minutes of the class; if you come later you will be considered absent. At the end of the Semester, your attendance will be reported on UBS system. Attendance is compulsory and in case of absenteeism of more than 30%, the system will automatically grade you "FX". If you miss a class, it is your responsibility to 'make up' all work, including items discussed in class. Class contribution will be measured in terms of quality not quantity. If you need to leave early for whatever reason, you should exercise politeness and notify your professor at the commencement of the session.

Academic integrity & plagiarism: Academic integrity is the pursuit of scholarly activity based on the values of: honesty, trust, fairness, respect and responsibility. Practicing academic integrity means never plagiarizing or cheating, never misrepresenting yourself, never falsifying information, never deceiving or compromising the work of others. Basically this means, either intentionally or unintentionally, using the words or ideas of someone else without giving credit, it's strictly forbidden.

Course Text books: There is no specific textbook for this course.

Key Works: In this course lectures and assignments mainly focuses on preparing students to the professional life and creating a 3D model by using ArchiCAD.

Specific Rules:

1. **Be punctual. Punctuality is a sign of respect toward yourself and the others.**
2. Show respect for all the people and property around you.
3. Be responsible for your actions and meet all expectations.

4. Follow directions the first time they are given.
5. Students should raise their hand to signal a question or to answer a question.
6. Students should use the Internet at school for academic purposes only.
7. It is forbidden to record classes with any type of device.

Communication: Students are encouraged to visit the lecturer during his/ her office hours. If you cannot make it to announced office hours, please make individual arrangements via e-mail. However, do not expect the lecturer and the research assistant to respond at length via e-mail to questions of content, definition of terms, grading questions etc. If you have a question that requires a substantive response, please set up an appointment to speak with one of us.

**Course Contents*:
(Weekly Lecture Plan)**

Date	Week	Chapter Topic	Take-home exercise
14.02. 2024	1	Introduction to ArchiCAD -User Interface (Menus, tools and tabs) -Working units	Further Research, online tutorials
21.02. 2024	2	Wall Tool -Walls -Editing Walls -Wall Openings	Further Research, online tutorials
28.02. 2024	3	Slab Tool -Slabs -Editing Slabs -Slab Openings for staircases and elevators	Ass 1: Will be announced during the course Further Research, online tutorials
06.03. 2024	4	Door, Window and Skylight Tools -Adding doors, windows and skylights	Further Research, online tutorials
13.03. 2024	5	Stair Tool -Creating a stair -Types and shapes of stairs	Further Research, online tutorials
20.03. 2024	6	Column, beam and railing tools -Adding columns and beams -Adding railings	Further Research, online tutorials
27.03. 2024	7	Object Tool -Adding furniture, casework from ArchiCAD embedded library. -Changing parameters of objects General Practice before Midterm	Further Research, online tutorials
	8	MIDTERM EXAM WEEK	
10.04. 2024	9	National Holiday	
17.04. 2024	10	Curtain Wall, Roof and Shell Tools -Basics of curtain walls, roofs and shells	Ass 2: will be announced during the course

24.04.2024	11	Creating Views and Using Renovation Tool -Creating plans, sections and elevations -Marking elements for renovation stages	Further Research, online tutorials
01.05.2024	12	National Holiday	
08.05.2024	13	Creating Layouts -Placing drawings onto layouts -Creating PDF files of layouts	Further Research, online tutorials
15.05.2024	14	Pre Final critiques	
			FINAL PROJECT

* PLEASE NOTE: Details of the syllabus and course schedule are subject to minor changes that will be announced in class and posted on Blackboard website.

Grading: Midterm and final exam responses will be evaluated for accuracy, thoughtfulness and clarity be evaluated for content, quality of ideas and clarity of presentation (including both writing and graphics). **Pass mark is 50. If total assessment grade is lower than 50, student will be failed.**

Assessment Methods and Criteria :

METHODS	EFFECTS ON GRADING
Assignments	%20
Midterm Submission	%30
Final Project	%50
	%100

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	13	3	39
Assignments	2	6	12
Self-study for Midterm Submission	1	10	10
Self-study for Final Project	1	14	14
Total Workload	0	0	75
Total workload/30			75/25
ECTS			3

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester.

Grade Scale:

GRADE	MARKS	VALUE
A+	-	-
A	95-100	4.00
A-	85-94	3.70
B+	80-84	3.30
B	75-79	3.00
B-	65-74	2.70

GRADE	MARKS	VALUE
C+	60-64	2.40
C	55-59	2.20
C-	50-54	1.70
D+	45-49	1.30
D	40-44	1.00
F	0-39	0.00