



| Course Code | Course Name | Year/Semester | Theory | Practice | Credits | ECTS |
|-------------|---------------------------|------------------|--------|----------|---------|------|
| IAED 3161 | Revit for Interior Design | 2023-2024 / Fall | 3 | 0 | 3 | 3 |

Level of Course: Undergraduate

Course Type: Elective

Language of Instruction: English

Course time: 09.00-12.00 Friday

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: This course aims to provide intermediate-level knowledge of Revit for interior design with practices. Practises ease to understand the logic of Revit and its usage for projects.

Course Description: Gaining ability to detail 3D models by using Revit is the main purpose of the course. Preparing sheets that include both drawings and schedules to communicate with stakeholders and exploring areas of usage of Revit for interior design contribute students to strengthen their presentation and communication skills. This course requires basic knowledge of Revit.

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

- Students will be able to recognize Revit interface
- Students will be able to create detailed 3D models by using model elements (walls, furniture, doors, windows, etc.)
- Students will be able to create different views (plans, sections, elevations, 2D and 3D details, etc.) and schedules
- Students will be able to convert 3D models into renovation models and mark model elements as existing, to be demolished and new construction
- Students will be able to create sheets and will be able to place views onto these sheets to print them as PDF files

Language: The class and discussions will be in English.

Text Books: -

Recommended Text Books:

- Hamad, Munir. (2019). Autodesk Revit 2020 Architecture, Mercury Learning & Information (Downloadable E-Book).

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 20% for the practice and %30 for the theory, 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 Autodesk Revit.

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 |
|------------|------|--|---|
| 06.10.2023 | 1 | Introduction to Revit -User Interface (Ribbon, tabs, palettes) -Project units -File types (.rvt, .rfa, .rte) | Further Research, online tutorials |
| 13.10.2023 | 2 | Creating Revit Template File -Customizing menus, tools -Adding objects for future use | Further Research, online tutorials |
| 20.10.2023 | 3 | Basics of Parametric Object Modeling -Revit family templates -Creating objects -Assigning different parameters to objects | Ass 1: Will be announced during the course Further Research, online tutorials |
| 27.10.2023 | 4 | Creating Parametric Furniture -Furniture family template -Creating furniture -Assigning different parameters to furniture -Placing options | Further Research, online tutorials |
| 03.11.2023 | 5 | Customizing Basic Walls and Stacked Walls -Customizing layers of basic walls -Creating profiles and using these profiles for wall sweeps and skirtings -Creating stacked walls based on basic walls | Ass 2: Will be announced during the course Further Research, online tutorials |
| 10.11.2023 | 6 | Customizing railings and their subcomponents -Creating custom balusters, panels | Further Research, online tutorials |
| 17.11.2023 | 7 | Creating Parametric Doors and Windows -Family templates for doors and windows -Creating doors and windows -Assigning different parameters to doors and windows General Practice before Midterm | Further Research, online tutorials |



| | 8 | MIDTERM EXAM WEEK | |
|------------|----|--|---|
| 01.12.2023 | 9 | Setting Lineweights, Line Patterns, Fill Patterns -Logic of lineweights in Revit -Creating of lineweights for different scales -Creating or customizing line patterns -Fill Pattern Types (Drafting, Model Fill Patterns) -Importing Fill Patterns and converting them into Model Patterns | Ass 3: Will be announced during the course Further Research, online tutorials |
| 08.12.2023 | 10 | Creating 2D Details (Dimensioning, Tagging) -Creating and placing automated tags -Placing dimensions | Further Research, online tutorials |
| 15.12.2023 | 11 | Creating 3D Details (Dimensioning, Tagging) -Creating different 3D views for detailings -Creating exploded perspective views -Tagging model elements | Further Research, online tutorials |
| 22.12.2023 | 12 | Phasing and Renovation -Creating views that reflect existing status and new construction -Graphic Overrides for different phases | Ass 4: Will be announced during the course Further Research, online tutorials |
| 29.12.2023 | 13 | Creating Schedules -Creating material quantity take off lists and furniture schedules | Further Research, online tutorials |
| 05.01.2024 | 14 | Creating Sheets -Placing drawings onto sheets -Creating PDF files of sheets General Review before Final | Further Research, online tutorials |
| | | | 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. Assignments will be evaluated for content, quality of ideas and clarity of presentation (including both writing; and graphics). If total assessment grade is lower than 50, student will fail.

Assessment Methods and Criteria :

| METHODS | EFFECTS ON GRADING |
|---------------|--------------------|
| Assignments | %20 |
| Midterm Exam | %30 |
| Final Project | %50 |
| | %100 |

ECTS Workload Table :

| ACTIVITIES | NUMBER | HOUR | WORKLOAD |
|------------|--------|------|----------|
|------------|--------|------|----------|



DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

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|--------------------------------|----------|----------|--------------|
| Course Teaching Hours | 13 | 3 | 39 |
| Assignments | 4 | 3 | 12 |
| Self-study for Midterm Project | 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 |