DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

| Course Code | Course Name | Year/Semester | Theory | Practice | Credits | ECTS |
|---|---|---|---|---|---|---|
| IAED 1101 | TECHNICAL DRAWING I | 2022-2023/Spring | 2 | 2 | 3 | 4 |

**Level of Course:** Undergraduate

**Course Type:** Core Course

**Language of Instruction:** English

**Course Time:** Monday 09:00-13:00

**Course Classroom:** Online Course

**Office Hours:**

**Mode of Delivery:** Class Teaching, Presentation, Assignments

**Prerequisites and Co-requisites:** Prerequisites: None
IAED 1102 Technical Drawing II

**Course Coordinator:** Asst. Prof. Dr. M. Uğur Kahraman

**Name of Lecturer(s):** Asst. Prof. Dr. M. Uğur Kahraman

**Course Teaching Assistant:** Lec. Ekin Elinç
Res. Asst. Ferhat Koyuncu
Lec. Kadir Emre Bakır

**Course Objectives:** The aim of this course is to introduce the architectural communication starting from the basic essentials of technical drawing through professional standards.

**Course Description:** This course is providing the basic drawing skills and perspective for the interior architecture and environmental design discipline through the needs of a higher level drawing for various design projects.

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

1. Students can apply the scenarios, thoughts and terms about the product and process graphically .
2. Students can show signs and symbols on the drawing.
3. By learning the basic elements of drawing, students can draw and write by freehand.
4. Students can make dimensioning by learning the term of scale in technical drawing.
5. Students learn the basic principles of projection and can draw sections and elevations of structural and environmental elements.

**Language:** The studio classes and discussions will be in English. Developing your verbal language skills will be very important in acquiring the disciplinary terminology as well as daily communication at the class.

**Text Books:**

1. Engineering Design Graphics, J.H. Earle, Addison-Wesley Publ., 1994.Francis D.K.
2. Ching, Mimarlık ve Sanatta Yaratıcı bir Süreç: Çizim; çev. Çelen Birkan, YEM, 2003

**Recommended Text Books:**

1. Francis D.K. Ching, Architectural Graphics, Architectural Press, 1984
2. Francis D.K. Ching, Architecture, Form, Space & Order, 1979
3. David A. Davis, Theodore D. Walker, Plan Graphics, Wiley, 2000
4. Orhan Şahinler, Fehmi Kızıl, Mimarlık'ta Teknik Resim, YEM, 2004
5. John Berger, Görme Biçimleri, Metis Yayınları, 1995
6. Engineering Design Graphics, J.H. Earle, Addison-Wesley Publ.,1994.
7. Engineering Graphics, F.E.Giesecke, et.al., MacMillan Publ, 2004.
8. Technical Graphics Communication, G.R. Bertoline, et.al., McGraw-Hill, 2003.

**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: Studio drawings, homeworks, final exam.

**Homeworks:** Students are required to submit throughout the semester.

**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 quarter 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% in practice and 30% in theoric, the system will automatically grade you "F". 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 but topics will mainly follow the chapters in the book 'Engineering Design Graphics'.

**Key Works:** In this studio course lectures and assignments mainly focuses on following course content.

**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 use the Internet at school for academic purposes only.
6. It is forbidden to record classes with any type of device.

**Communication:** Students are encouraged to visit the professor during their Office Hours. If you cannot make it to announced office hours, please make individual arrangements via e-mail. However, do not expect the professor 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 |
|---|---|---|---|
| **20.02.2023** | **1** | - Layout and Line Exercises<br>- Line Weights/Types | N/A |
| **27.02.2023** | **2** | - Geometry 2D/3D and Scale | N/A |
| **06.03.2023** | **3** | - Parallel Projection and views | N/A |
| **13.03.2023** | **4** | - Parallel Projection and views | N/A |
| **20.03.2023** | **5** | - Parallel Projection and views | N/A |
| **27.03.2023** | **6** | - Cut & Slice | N/A |
| **03.04.2023** | **7** | - Cut & Slice | N/A |
| | **8** | **- Midterm** | N/A |
| **17.04.2023** | **9** | - Introduction to Plan & Site Plan | N/A |
| **24.04.2023** | **10** | - Basics of Architectural Plan (Scale & Dimension) | N/A |
| **01.05.2023** | **11** | - Public Holiday | N/A |
| **08.05.2023** | **12** | - Interior Plan Structural Elements Expressions | N/A |
| **15.05.2023** | **13** | - Introduction to Section & Elevation | N/A |
| **22.05.2023** | **14** | - Basics of Section & Elevation | N/A |
| | | **FINAL EXAM** | |

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

**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 all necessary materials). **If total assessment grade is lower than 50, student need to repeat the course.**

**Assessment Methods and Criteria :**

| METHODS | EFFECTS ON GRADING |
|---|---|
| In-Class Drawings | 40% |
| Midterm | 20% |
| Final Exam | 40% |

**ECTS Workload Table :**

| ACTIVITIES | NUMBER | HOUR | WORKLOAD |
|---|---|---|---|
| Course Teaching Hours | **13** | **2** | **26** |
| Studio Drawings | **13** | **2** | **26** |
| Midterm Preparation | **1** | **15** | **15** |
| Midterm Exam | **1** | **4** | **4** |
| Final Preparation | **1** | **25** | **25** |
| Final exam | **1** | **4** | **4** |
| **Total Workload** | **0** | **0** | **100** |
| **Total workload/25** | | | **100/25** |

**GRADING AND EVALUATION**

The students' progress will be evaluated throughout the semester.
Grade Scale:

| MARK | GRADE | VALUE | MARK | GRADE | VALUE |
|---|---|---|---|---|---|
| A+ | - | | C+ | 60-64 | 2,40 |
| A | 95-100 | 4.00 | C | 55-59 | 2,20 |
| A- | 85-94 | 3,7 | C- | 50-54 | 1,70 |
| B+ | 80-84 | 3,3 | D+ | 45-49 | 1,30 |
| B | 75-79 | 3.00 | D | 40-44 | 1,00 |
| B- | 65-74 | 2,7 | F | 0-39 | 0.00 |