ANTALYA BİLİM ÜNİVERSİTESİ

DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 3502	INNOVATIVE CONSTRUCTION TECHNIQUES AND MATERIALS IN INTERIOR SPACE	2019-2020 / SPRING	3	0	3	3

Level of Course: Undergraduate
Course Type: Core Course
Language of Instruction: English
Course time: Wednesday, 09.00 – 12.00
Course classroom:
Mode of Delivery: Class Teaching, Presentation, Assignments
Prerequisites and Co-requisites: IAED 2503
Course Coordinator:

Name of Lecturer(s): Asst. Prof. Dr. Mustafa Küçüktüvek
Course Teaching Assistant:

Course Objectives: The aim of the course; to provide students with knowledge about the new construction systems of the students and to have knowledge about the carrier and other building elements that make up the structure, to help them to gain system selection and system building skills during design, to be able to look at building systems as a whole, to inform about various building damages.

Course Description: The course focuses on introducing “Intelligent and Interactive Space” concept and definitions. Providing the idea of interdisciplinary working and the latest technologies used to create this kind of space designs are introduced by defining in different application areas.

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

1. Students may have knowledge about new construction technologies.
2. Students will learn new building elements and materials.
3. Students will be able to gain knowledge about the bearing system.
4. Students will learn new structural techniques in interior space.

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: --

Recommended Text Books:

1. Basics Interior Architecture 01: Form and Structure: The Organisation of Interior Space. Graeme Brooker, Sally Stone, 2007.
2. Form and Structure in Interior Architecture, Brooker, Sally Stone, 2005.

For the terminology:

3. Designing Interior Architecture: Concept, Typology, Material, Construction. Sylvia Leydecker, 2013.

Reading Text books:

4. Structure as design: 23 projects that wed structure and interior design. Isabel Allen, 2000Architectural Model making (Portfolio Skills: Architecture) by Nick Dunn
5. Innovation Spaces: The New Design of Work. Julie Wagner and Dan Watch, 2017.

Planned Learning Activities and Teaching Method:

Learning/Teaching Method: This is a theory course and students time to time will be engaged to basic challenges for a better understanding about the content of the course. Course will be supported by short verbal lectures at the and later individual short presentations of the students.

Assignments: two presentations and one project will be given to students. Students will start doing the assignments in the classroom and continue the assignment at home.

Class Participation: Regular attendance of all enrolled classes is expected. **For this course minimum 80% attendance is expected.** 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.

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. Students are required to study the recommended reading text books and also do researches on the variety of architectural presentation techniques.

Key Works: In this course assignments mainly focuses on learning the new developments in interior space structure and materials.

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. No candies or gums are allowed in the classroom during classes.
6. Students should raise their hand to signal a question or to answer a question.
7. Students should use the Internet at school for academic purposes only.
8. It is forbidden to record classes with any type of device.
9. Each student has a different learning style. Please create your own strategy to learn the topics mentioned in Syllabus.
10. If you request, the instructor may repeat the lecture in the class or in the office and explain the subjects that you do not understand.
11. Students will be prepared for market conditions and their professional life during education period. Everyone will be treated equally and fairly. Please do not expect a privileged or special treatment from your instructor.
12. Please send your requests about the course to the instructor without delay. When the training process is completed, it is not possible to fulfill any demand.

Communication:

If you have any questions about the syllabus, your responsibilities in the course and assessment procedures please ask your instructor without any delay.
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, the definition of terms, grading questions, etc. If you have a question that requires a substantive response, please set up an appointment to speak with us.

Course Contents*: (Weekly Lecture Plan)

Date	Week	Chapter Topic	Take-home exercise	
12.02.20	**1**	Introduction to the course	Preparing the materials (Model making equipment) for Ass. 1 Sketch a composition	
19.02.20	**2**	**Understanding the rise of innovative spaces** Natural structures		
26.02.20	**3**	**Understanding the rise of innovative spaces** Natural structures	Sustainable Interior Architecture Gr. 1 Presentation	
04.03.20	**4**	**Innovative seating element structures**	Preparing for midterm project	
11.03.20	**5**	**Innovative dividing walls**	Responsive Interiors Gr. 2 Presentation	
18.03.20	**6**	**Innovative stairs**		

25.03.20	**7**	**Innovative suspended systems**	Preparing for midterm project
	8	**Midterm**	
08.04.20	**9**	**Innovative roof systems**	High-tech and smart Interiors Gr. 3 Presentation
15.04.20	**10**	**Innovative building materials**	
22.04.20	**11**	**Innovative construction systems** Build-up project	Wood, Glass and Coating in Interiors Gr. 4 Presentation
29.04.20	**12**	**Exposed Materials**	
06.05.20	**13**	**Exposed Materials**	Aluminum, Plastic and composites in Interiors Gr. 5 Presentation
13.05.20	**14**	Last feedback for Final Project	Final Project Preparation
	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 projects will be evaluated based on the requirements that will be announced in the classroom. Assignments will be evaluated based on the quality of presentation. Students' progress also will be evaluated throughout the semester based on their performance in classroom. Students with the Final Grade below D- (40) are required to repeat the course.

Assessment Methods and Criteria :

METHODS	**EFFECTS ON GRADING**
Presentations	20%
Midterm Project	30%
Final Project	50%

ECTS Workload Table :

ACTIVITIES	**NUMBER**	**HOUR**	**WORKLOAD**
Course Teaching Hours	13	3	39
Presentations	2	5	10
Midterm Project Preparation	1	5	5
Build-up Project	1	11	11
Final Project Preparation	1	10	10
Total Workload	0	0	75
Total workload/25			75/25
ECTS			3

GRADING AND EVALUATION

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	2.30
C	55-59	2.00
C-	50-54	1.70
D+	45-49	1.30
D	40-44	1.00
F	0-39	0.00