DEPARTMENT OF ARCHITECTURE

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
ARC 3056	UNIVERSAL DESIGN IN ACCESIBILITY	2019-2020/FALL	3	0	3	3

Level of Course: Undergraduate

Course Type: Elective Course

Language of the Course: English

Course time: Monday 13.00-16.00

Course Classroom: A2/11-12

Office Hours: Tuesday 09.00-17.00

Mode of Delivery: Blog loads, presentations, final submission, attandance

Prerequisites and Co-requisites: None

Course Coordinator: Lect. Nil Kokulu

Name of Lecturer(s): Lect. Nil Kokulu

Course Teaching Assistant:

Course Objectives: To gain ability to and apply accurate terminology relating to Universal Design, Aging-in-Place and Healthcare-related facilities. To gain an awareness and sensitivity to differences in abilities to independently function in the built environment. Analyze existing spaces (and working drawings) for best practices in Universal & Evidence-Based Design.

Course Description: The course provides a detailed introduction to the Universal Design philosophy and a theoretical understanding of design tools and techniques. In a growing and aging society, where the need for sustainable (both social and environmental) design solutions is critical, Universal Design has been accepted globally as a means of meeting existing and future needs. More than a set of practical design rules or prescriptive design guidelines, Universal Design is a way of thinking, requiring the designer to consider the consequences of design, and placing the needs of all people at the very heart of the process.

Learning Outcomes: Upon successful completion of the course, students will be able to:
- Be familiar with, and have a theoretical understanding of Universal Design;
- Have a complete understanding of the legislative requirements for Universal Design;
- Have a complete understanding of the business and social benefits of Universal Design;
- Be aware of the development and application of new research concepts and advances in the field;
- Appreciate the benefit of consulting with end users.
- Have an understanding of design as it is applied in Industry;
- Have applied, demonstrated or translated a Universal Design approach;
- Have developed team work and interpersonal skills

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Language: English, every blog load should be english and turkish.

Recommended Text Books:

1. Universal Design Handbook: Preiser and Ostroff Building for Everyone 2010: National Disability Authority, Ireland.
2. Inclusive Design for the Population: Keates and Clarkson
3. Countering Design Exclusion: Keates and Clarkson
4. Centre for Excellence in Universal Design website www.Universaldesign.ie
5. Mimari Erişilebilirlik Klavuzu, Özlem Belir, Özürlüler Vakfı Yayınları, 2009, İstanbul.
6. Story, M. F., Mueller, J.L., Mace, R.L. 1998. "The Universal Design File: Designing for People of All Ages and Abilities". NC State University, The Center for Universal Design. 128 s.
7. Sürmen, Ş. 1995. Özürlüler ve Yaşlılarla İlgili Mimari Ölçüler, Standartlar, Uygulamalar. İ.T.Ü. Çevre ve Şehircilik Uygulama Araştırma Merkezi, İstanbul. 61 s.
8. Sürmen, Ş. 2004. Ben Sakatlandım... : Sakatlık, Özürlülük Üzerine Yazılar. Nüans Yayınevi, Ankara. 309 s.
9. Tasarım ve Özgürlük: Engelli İnsanlar ve Herkes için Tasarım, 2007, TMMOB, Ankara Şubesi, Bülten 46, Dosya 04, Ocak.
10. Tasarım Rehberi, Engelsiz Kent org.
11. WHO (Dünya Sağlık Örgütü). 2001. International Classification of Functioning Disability and Health (çev. Kabakçı, E. ve Göğüş, A., İşlevsellik, Yetiyitimi ve Sağlığın Uluslararası Sınıflandırılması: ICF, T.C. Başbakanlık Özürlüler İdaresi Başkanlığı, Ankara, 148 s.)
12. Wijk, M.(ed.).1995. European Manual for Accessibility, Draft Revision 1, CCPT, Hollanda, 97 s.
13. World Report on Disability, 2011.
14. Ulaşılabilirlik Klavuzu, İzmir Mimarlar Odası, 2001, İzmir.
15. ltınok, M., Kars, M.M., 2010. "Tekerlekli Sandalye Kullanan Engellilere Yönelik Islak Mekan Düzenlemelerinde Fonksiyonel Yaklaşımlar", Dumlupınar Üniversitesi, Fen Bilimleri Dergisi, Sayı 21, Nisan.

Planned Learning Activities and Teaching Method: This is an elective course and students learn about universal design by getting directly involved in the process with the workshops. The lecture is supported by workshops, blog writings, posters made by the student and group/one-to-one critic sessions.

Lecture necessities: The expected learning outcomes for the course will be assessed through: Group/one to one presentation, submissions, class assignments, blog writings, posters, workshops, which are the indicators of a successful project process. Blog adress will be sent to the students at the second week.

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 half-attended.** 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 "FF"**. If you miss a class, it is your responsibility to 'make up' all work, including items discussed in class.

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 textbooks.

Key Words: Universal design, disability, accessibility, design for everyone, design for elderly.

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
16.09.2019	1	The definition of the course, the subjects to be discussed, presentation of general information on the method and the homework	
23.09.2019	2	The definition, history, scope and the target of the universal design	For the next week class: Poster workshop (designing a poster from the texts given by the lecturer as a group.) Bring newspaper, scissors, A3 paper and glue.
30.09.2019	3	Poster workshop and presentation The definition of disability and disability terms. Factors that have an impact on the physical disability will be explained.	*Poster workshop blog load. For the next week class: Wabi-Sabi homework and blog load (individual investigation of natural inspirational object observing with all five senses; studying and perceiving the known and unrealized aspects of the object. Peer presentations are expected.
07.10.2019	4	Wabi-sabi presentation Place of the people that have disabilities in the world and in Turkey. Disable people rights.	For the next week class: Building criticism homework and blog load (Find a buiding in Turkey except Antalya and its picture which is not proper for the universal design and criticise it)

Date	Week	Topic	Homework
14.10.2019	5	Building criticism presentation (Turkey) Anthropometric measurements and the necessary room for disabled.	For the next week class: Postcard homework and blog load (Find a postcard either from inside of the building or outside of the building, criticise it within the scope of universal design and find a solution)
21.10.2019	6	Postcard presentation Design for all examples in the urban scale, public and private buildings.	For the next week class: A letter to an architect homework and blog load (Find a new building which is not proper for the universal design and write a letter to the architect about the problems).
28.10.2019	7	Letter discussion Short videos about universal design	For 11.11.2019: Route Antalya Poster homework and blog load (Choose a street at least 1 km, mark the areas that has problems. Write a letter about it to the mayor)
04.11.2019	8	**No-class**	
11.11.2019	9	Route Antalya Poster homework presentation	For the next week class: Building criticism homework and blog load (Find a buiding in Europe and its picture which is not proper for the universal design and criticise it)
18.11.2019	10	Building criticism presentation (Europe) Elderliness, living environment and universal design	For the next week class: Sketch criticism homework and blog load (Criticise Antalya Işıklar Öğretmen Evi within the scope of Universal Design by sketch)
25.11.2019	11	Sketch criticism presentation Difficulties that old people have in daily life. Anthropometric measurements and the necessary room for old people.	For the next week class: Gender variation homework and blog load (Produce 5 diagrams about gender variation in universal design)
02.12.2019	12	Gender variation presentation Design for all examples in the urban scale, public and private buildings.	For the next week class: Journal reading poster homework and blog load (Find a journal about universal design and make a poster)
09.12.2019	13	Journal poster presentation Final submission critics	For the next week class: Movie model making homework and blog load (Watch a movie about disability and make a small model of the most impressive scene)
16.12.2019	14	Movie model presentation Final submission critics	
Will be announced		**FINAL SUBMISSION**	**Design a small town and a two storey house either for an old couple or a disabled person.**

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

Grading: Final submission, attandance and blog loads 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 pictures). It is strictly forbidden to delete any post from the blog. If total assessment grade is lower than CC, student need to repeat the course.

The final grading will be as follows:
- Attandance to the lesson. Not only being there as a member but participating to the class and to the workshops actively (20%)
- Blog loads. Every homework should be loaded to the system before the class. Student should be ready for the presentation. (40%)
    - Poster workshop and presentation (%2)
    - Wabi-sabi presentation (%4)
    - Building criticism presentation (Turkey) (%2)
    - Postcard presentation (%4)
    - Letter discussion (%4)
    - Route Antalya Poster homework presentation (%4)
    - Building criticism presentation (Europe) (%4)
    - Sketch criticism presentation (%4)
    - Gender variation presentation (%4)
    - Journal poster presentation (%4)
    - Movie model presentation (%4)
- Final submission (%40)
    - 09.12.2019 critics (%10)
    - 16.12.2019 critics (%10)
    - Submission (%20)

FINAL SUBMISSION: Design a small town and a two storey house either for an old couple or a disabled person (A plan at least 225 m^2). Show dimensioning both inside and outside.

Assessment Methods and Criteria :	METHODS	EFFECTS ON GRADING
	Attendance and Participation	20%
	Blog loads	40%
	Final submission	40%

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ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	14	1.5	21
Presentation-workshop	11	1	11
Blog writing	11	2	22
Final submission preparation at uni	2	2	4
Final submission preparation at home	4	4	16
Final submission	1	1	1
Total workload/25			**75/25**
ECTS			**3**

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester. Students' grades lower than CC will be considered as failed.

Grade Scale:

90 - 100	AA	4,00
85 - 89	BA	3,50
80 - 84	BB	3,00
75 - 79	CB	2,50
65 - 74	CC	2,00
55 - 64	DC	1,50
50 - 54	DD	1,00
45 - 49	FD	0,50
0 - 44	FF	0,00

Course outline and evaluation criteria can be changed according to weekly progress by course instructor. If any change will occur, it will announce to students via e-mail.