NEAR EAST UNIVERSITY
EDUCATION UNIT
COORDINATION OF COMMON COURSES
SYLLABUS

Course Code GEC435	Course Name Accessibility	Class (All year 1,2,3,4 undergraduate/graduate students)	Credits 2	ECTS 3	Weekly Lesson Program

Prerequisite: None					

Course Language: English	Lesson Type: Elective General Online Common Courses	Year: 2023-2024		Term: Spring

Weekly Lesson Times	Class Time	Laboratory	Application	Learning Groups			
				PS	C	R	T
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Course Coordinator: Assoc. Prof. Dr. İpek Danju
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Web: https://odk.neu.edu.tr/

Learning Outcomes	1. Understanding Accessibility Concepts: • Defining the concept of accessibility and understanding its importance. • Grasping the necessity of accessibility by understanding different types of disabilities and user groups 2. Understanding Accessibility Standards and Legal Regulations: • Understanding national and international accessibility standards and legal regulations. • Acquiring the ability to implement these standards to meet accessibility requirements. 3. Recognizing Types of Disabilities and Their Needs: • Identifying different types of disabilities (e.g., visual impairments, hearing impairments, mobility impairments) and understanding each one's specific needs. • Developing the ability to design for accessibility by considering these needs. 4. Conducting Accessibility Tests and Evaluations: • Being able to conduct accessibility tests and evaluations. • Gaining the ability to make existing materials and applications accessible. 5. Accessibility Design and Implementation Skills: • Acquiring the ability to apply accessibility principles and techniques to increase the accessibility of digital content and applications. • Developing the skill to create accessible content and tools for individuals with specific needs. 6. Accessibility Awareness and Responsibility: • Understanding social and ethical responsibilities related to accessibility. • Increasing societal contributions and enhancing awareness of accessibility.
Course Definition	This is an educational program aimed at teaching students the concept, principles, and practices of accessibility. The course emphasizes the necessity of providing equal access in both digital and physical environments, teaching students design and applications that meet the needs of different types of disabilities and user groups. Additionally, it covers fundamental topics related to accessibility such as accessibility standards, legal regulations, tests, and evaluations. The purpose of this course is to raise awareness, translate knowledge into practice, and instill a sense of social responsibility in students regarding accessibility matters.
Course Aims	• Creating awareness among students about the concept and importance of accessibility, emphasizing the need for equal access in digital and physical spaces. • Enabling students to understand accessibility standards and legal regulations, and teaching them how to design and implement solutions that meet accessibility

		requirements.
- Developing students' ability to design accessibility solutions that address the diverse needs of various user groups by increasing awareness of different needs for individuals with special requirements.
- Enhancing students' skills in making existing materials and applications accessible using accessibility tests and evaluations.
- Increasing students' capabilities to conduct research on the accessibility of digital technologies and identify best practices in this field.
- Encouraging students to put accessibility principles into practice by creating content and tools designed for accessibility.
- Boosting students' opportunities to work as accessibility experts in public and private sector organizations with the aim of providing better access for individuals with special needs.
- Emphasizing the social and ethical responsibilities of accessibility to increase students' societal contributions and awareness.
Course Books and/or Resources	1	
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Course Methods	Asynchronous Educational Video Presentation, Question-Answer, Project	

WEEKLY LESSON PROGRAM

Module	Module Heading and Details	Lecturer	Reference/ Resource
1	**Accessibility:** - The concept and importance of accessibility. - Types of disabilities and current challenges. - Accessibility standards and laws. - Accessibility requirements for individuals with special needs.	Mukaddes Sakallı Demirok mukaddes.sakalli@neu.edu.tr Serap Meral serap.meral@neu.edu.tr	1

2	**Accessibility in Education:** • Accessible educational materials. • Special education strategies for students with special needs. • Pedagogical approaches in accessibility.	Alper Karabacak alper.karabacak@neu.edu.tr	2
3	**Accessibility Awareness and Consciousness:** • Increasing awareness of accessibility. • Social awareness and sensitivity. • Future developments and trends in accessibility.	Zehra Altınay Gazi zehra.altinaygazi@neu.edu.tr	3
4	**Accessible Technology and Assistive Tools:** • Assistive technologies and devices. • Screen readers, Braille devices, hearing aids. • Accessible applications and software. • Accessibility settings offered by operating systems like Windows and browsers like Chrome.	Şahin Akdağ sahin.akdag@neu.edu.tr	4
5	**Internet Accessibility and Digital Content:** • Accessibility of websites and digital content. • Accessibility of multimedia content. • Internet accessibility errors and corrections.	Gülsüm Aşıksoy gulsum.asiksoy@neu.edu.tr	5
6	**Web Accessibility Fundamentals:** • Principles of web accessibility. • Web Content Accessibility Guidelines (WCAG). • Principles of accessible web design.	Aydogan Erkan aydogan.erkan@neu.edu.tr Seren Başaran seren.basaran@neu.edu.tr	6
7	**Mobile Application Accessibility:** • Accessibility requirements for mobile applications. • Accessibility on iOS and Android platforms. • Mobile application testing tools. • Keyboard navigation and alternative input methods. • User experience (UX) design in accessibility.	Gülsüm Aşıksoy gulsum.asiksoy@neu.edu.tr	7
8	**Accessibility Testing and Evaluations:** • Accessibility audits and tests. • Accessibility evaluation tools. • Strategies for identifying and correcting accessibility errors.	İslam Suiçmez islam.suicmez@neu.edu.tr Nasim Ahmadzadeh	8

				nasim.ahmadzadeh@neu.edu.tr	

9	**Accessibility Design and Usability:** • Relationship between accessibility and usability. • Principles of good usability design. • User interface (UI) and user experience (UX) design.	Fuat Boğaç Evren fuat.evren@neu.edu.tr	9
10	**Building and Infrastructure Accessibility:** • Physical accessibility and accessible buildings. • Accessibility in public spaces. • Transportation accessibility for individuals with special needs.	Ümran Duman umran.duman@neu.edu.tr	10
11	**Accessibility Laws and Standards:** • Accessibility laws and regulations. • Accessibility audits and compliance requirements. • Legal responsibilities and penalties.	Aysun Beydola aysun.beydola@neu.edu.tr	11
12	**Different Accessibility Areas:** • Accessibility in **Sports** Services.	Günay Kibrit gunay.kibrit@neu.edu.tr	12
13	**Different Accessibility Areas:** • Accessibility in **Health** Services.	Murat Özgören murat.ozgoren@neu.edu.tr Dudu Özkum Yavuz dudu.ozkum@neu.edu.tr	13
14	**Different Accessibility Areas:** • Accessibility in **Tourism** Services.	Nesrin Menemenci nesrin.menemenci@neu.edu.tr	14

		Module	**Process Oriented Performance-Based Assessment(s)**	**% 70 + % 30 lecture videos**	**Reference/Resource**
Evaluation:	1	**Accessibility**		5	1
	2	**Accessibility in Education**		5	2
	3	**Accessibility Awareness and Consciousness**		5	3
	4	**Accessible Technology and Assistive Tools**		5	4
	5	**Internet Accessibility and Digital**		5	5

		Content			
	6	**Web Accessibility Fundamentals**		5	6
	7	**Mobile Application Accessibility**		5	7
	8	**Accessibility Testing and Evaluations**		5	8
	9	**Accessibility Design and Usability**		5	9
	10	**Building and Infrastructure Accessibility**		5	10
	11	**Accessibility Laws and Standards**		5	11
	12	**Different Accessibility Areas (Sports)**		5	12
	13	**Different Accessibility Areas (Health)**		5	13
	14	**Different Accessibility Areas (Tourism)**		5	14

Learning Program					
Learning Tool	**Amount**	**Student Workloa5d (Hours)**	**Education Tool**	**Amount**	**Student Workload (Hours)**
Pre course preparation	14	14*1=14			
			Total		
		Perceived ECTS Credits (Total Workload / 30) :	90/30 = ~ 3		