

COURSE DESCRIPTION FORM	
Course Code and Name	CENG485 DISTANCE LEARNING TECHNOLOGIES (TECH.ELECT.)
Course Semester	7
Catalogue Data of the Course <i>(Course Content)</i>	Introduction to distance education; instructional environments used by distance education; the technologies used in distance education; techniques and methods used in the planning, preparation and implementation of distance education technologies; Basic concepts related to Internet, Purposes of Internet use in education; Internet ethics (netiquette); learning objects; international standards for the upper data of learning objects.
Course Textbooks	Handbook of Distance Education 3rd Edition by Michael Grahame Moore, 2012.
Supplementary Textbooks	Lexicon of Online and Distance Learning by Lawrence A. Tomei, 2010. Quality in Distance Education: Focus on On-Line Learning by Katrina A. Meyer, Adrianna J. Kezar, 2002.
Credit (ECTS)	6
Prerequisites for the Course <i>(Attendance Requirements)</i>	There is no prerequisite or co-requisite for this course.
Course Type	Elective
Language of Instruction	English
Course Objectives	To be able to explain the conceptual structure of open and distance learning technologies. To be able to discuss application examples of open and distance learning technologies. To be able to evaluate the usage areas of open and distance learning technologies in various countries.
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Define and explain the key concepts and components of open and distance learning (ODL) technologies. 2. Identify and classify the different types of ODL technologies available. 3. Explain the underlying principles and theoretical frameworks supporting ODL technologies. 4. Analyze the impact of technological advancements on the evolution of ODL technologies.
Instruction Method <i>(Face-to-face, Distance education etc.)</i>	The mode of delivery of this course is face to face.
Weekly Schedule of the Course	<ol style="list-style-type: none"> 1.Week Distance Learning Technologies, techniques and applications 2.Week Distance education approaches 3.Week Data exchange 4.Week Data exchange 5.Week Data transmission between satellite, video, voice use and remote geographies 6.Week Data transmission between satellite, video, voice and remote geographies 7.Week Human computer interaction 8.Week Human computer interaction 9.Week Development of educational material 10.Week Development of educational material 11.Week Set up and manage distance learning infrastructures 12.Week Establishing and managing distance learning infrastructures 13.Week System and material tests 14.Week Learning management systems
Teaching Activities <i>(The time spent for the activities listed here will determine the amount of credit required)</i>	<p>Weekly theoretical course hours</p> <p>Reading activities</p> <p>Internet search and library work</p> <p>Midterm and revision for midterm</p> <p>Final exam and revision for final exam</p>

Assessment Criteria		Number(s)	Weight (%)			
	Midterm exam	1	30			
	Assignment	5	30			
	Application					
	Project					
	Practice					
	Quiz					
	Final exam	1	40			
Total	7	100				

Workload of the Course	Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload
	Weekly theoretical course hours	14	3	42
	Weekly practical course hours			0
	Reading activities	14	3	42
	Internet search and library work	14	3	42
	Designing and implementing materials			
	Making a report			
	Preparing and making presentations			
	Midterm and revision for midterm	1	10	10
	Final exam and revision for final exam	1	15	15
	Total workload			151
	Total workload/ 25			6.04
	Course Credit (ECTS)			6

Contribution Level between Course Outcomes and Program Outcomes	No	Program Outcomes	1	2	3	4	5	
	1	Knowledge of mathematics, science, basic engineering, computing, and computer engineering; ability to use this knowledge in solving complex engineering problems.						x
	2	Ability to define, formulate and analyze complex engineering problems using basic science, mathematics and engineering knowledge and considering the UN Sustainable Development Goals relevant to the problems addressed.					x	
	3	Ability to design creative solutions to complex engineering problems; ability to design complex systems, processes, devices, software, algorithms or products to meet current and future requirements, considering realistic constraints and conditions.					x	
	4	Ability to select, use and develop appropriate techniques, resources and modern engineering and informatics tools, including estimation and modeling, for the analysis and solution of complex engineering problems while being aware of their limitations.					x	
	5	Ability to use research methods to examine complex engineering problems or research topics in computer engineering, including reviewing the literature, designing experiments, conducting experiments, collecting data, analyzing and interpreting results.						x
	6	Knowledge of the effects of engineering practices and the standards used in these					x	

		practices on society, health and safety, economy, sustainability and environment within the scope of the UN Sustainable Development Goals; awareness of the consequences of engineering solutions in the fields of information security and law.					
	7	Acting in accordance with engineering professional principles and knowledge on ethical responsibility; awareness of acting impartially, without discrimination on any issue, and being inclusive of diversity.				x	
	8	Ability to work effectively individually and as a team member or leader in intradisciplinary and multidisciplinary teams (face-to-face, remote, or hybrid).				x	
	9	Ability to conduct effective verbal and written communication on technical issues in Turkish or English, prepare reports, make effective presentations and prepare software documentation, considering the various differences of the target audience (such as education, language, profession).				x	
	10	Knowledge of business practices such as project, risk and change management and economic feasibility analysis; awareness of entrepreneurship and innovation.			x		
	11	Lifelong learning skill that includes the ability to learn independently and continuously, to adapt to new and developing scientific practices and technologies, and to think inquisitively about technological changes.				x	
Lecturer(s) and Contact Information	Lecturer's First/Last Name: Assoc. Prof. Dr. Murat YILMAZ E-mail address: my@gazi.edu.tr						