COURSE DESCRIPTION FORM	
Course Code and Name	CENG493 INTRODUCTION TO DATA PRIVACY (TECH.ELECT.)
Course Semester	7
Catalogue Data of the Course (*Course Content*)	1. Security issues related to protecting sensitive personal and corporate information from disclosure 2. The value of security and privacy regulations 3. Policy and societal questions about the real-world impacts of data breaches on individuals and businesses and balancing interests between individuals, government, and businesses 4. Existing and proposed laws and regulations governing information security and privacy 5. Emerging technologies that may impact security and privacy concerns 6. Issues related to the development of corporate data security programs, policies and procedures that take into account the needs of all relevant parties
Course Textbooks	1. Introduction to Privacy-Preserving Data Publishing: Concepts and Techniques, Hall/CRC, 2010. 2. Data Privacy: Principles and Practice 1st Edition by Nataraj Venkataramanan, Ashwin Shriram, 2016.
Supplementary Textbooks	Practical Data Privacy, O'Reilly, 2023.
Credit (*ECTS*)	6
Prerequisites for the Course (*Attendance Requirements*)	There is no prerequisite or co-requisite for this course.
Course Type	Technical Elective
Language of Instruction	English
Course Objectives	1. Explaining the general history of data privacy concepts in the world and in Turkey 2. Teaching the laws and regulations regarding information security in terms of both data protection and law enforcement
Course Learning Outcomes	1. Examines legal, policy, and organizational issues and issues related to data privacy, security, and confidentiality. 2. Teaches general data protection regulations and privacy principles.
Instruction Method (*Face-to-face, Distance education etc.*)	This course will only face-to-face training.
Weekly Schedule of the Course	Week 1: The information life cycle Week 2: Personal data Week 3: Common privacy principles Week 4: Common privacy principles Week 5: Privacy considerations in the information life cycle Week 6: Privacy considerations in the information life cycle Week 7: Online threats and privacy issues Week 8: Specific requirements for the online environment Week 9: Privacy challenges in social media Week 10: EU General Data Protection Regulations Week 11: EU General Data Protection Regulations Week 12: Understanding cookies, beacons and other tracking technologies Week 13: Machine-readable privacy policy languages Week 14: Web browser privacy and security features
Teaching Activities (*The time spent for the activities listed here will determine the amount of credit required*)	Weekly theoretical course hours: 3 Reading activities Internet search and library work Midterm and revision for midterm Final exam and revision for final exam

Assessment Criteria

	Number(s)	Weight (%)
Midterm exam	1	40
Assignment	4	20

	Application	0	0
	Project	0	0
	Practice	0	0
	Quiz	0	0
	Final exam	1	40
	Total	6	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	0	0
	Reading activities	14	3	42
	Internet search and library work	14	3	42
	Designing and implementing materials	0	0	0
	Making a report	0	0	0
	Preparing and making presentations	0	0	0
	Midterm and revision for midterm	1	12	12
	Final exam and revision for final exam	1	12	12
	Total workload			150
	Total workload/ 25			6
	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 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.						
	8	Ability to work effectively individually and as a team member or leader in intradisciplinary and multidisciplinary teams (face-to-face, remote, or hybrid).						
	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).						
	10	Knowledge of business practices such as project, risk and change management and economic feasibility analysis; awareness of entrepreneurship and innovation.						
	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 Dr. Bilgehan Arslan bilgehanarslan@gazi.edu.tr							