

<b>Course Description Form</b>	
<b>Course Code and Name</b>	CENG493 INTRODUCTION TO DATA PRIVACY (TECH.ELECT.)
<b>Course Semester</b>	7
<b>Catalog Content</b>	The information life cycle, personal data, common privacy principles, privacy considerations in the information life cycle, online privacy issues, specific requirements for the online environment, social media and websites that present a higher level of privacy challenges, online threats and privacy issues, e-commerce personalization, understanding cookies, beacons and other tracking technologies, machine-readable privacy policy languages, web browser privacy and security features, EU General Data Protection Regulations
<b>Textbook</b>	Introduction to Privacy-Preserving Data Publishing: Concepts and Techniques, by Benjamin C.M. Fung, Ke Wang, Ada Wai-Chee Fu, Philip S. Yu, Chapman and Hall/CRC, 2010, ISBN 9781420091489
<b>Supplementary Textbooks</b>	Computer Security Fundamentals, Prentice Hall Security Series by Chuck Easttom, 2005  Data Privacy: Principles and Practice 1st Edition by Nataraj Venkataramanan, Ashwin Shriram, 2016.
<b>Credit</b>	6
<b>Prerequisites of the Course</b> ( Attendance Requirements)	There is no prerequisite or co-requisite for this course.
<b>Type of the Course</b>	Elective
<b>Instruction Language</b>	English
<b>Course Objectives</b>	The object of this course is to teach overlaps and differences of data security and privacy concepts. Additionally, teaching general data protection regulations and common privacy principles are among the target of this course.
<b>Course Learning Outcomes</b>	At the end of this course, the students will be able to  1. identify the overlaps and differences of security and privacy concepts. 2. identify different types of privacy management considerations. 3. understand EU General Data Protection Regulations
<b>Instruction Methods</b>	The mode of delivery of this course is face to face
<b>Weekly Schedule</b>	1. Week: The information life cycle 2. Week: Personal data 3. Week: Common privacy principles 4. Week: Common privacy principles 5. Week: Privacy considerations in the information life cycle 6. Week: Privacy considerations in the information life cycle 7. Week: Online threats and privacy issues 8. Week: Specific requirements for the online environment 9. Week: Privacy challenges in social media 10. Week: EU General Data Protection Regulations 11. Week: EU General Data Protection Regulations 12. Week: Understanding cookies, beacons and other tracking technologies 13. Week: Machine-readable privacy policy languages 14. Week: Web browser privacy and security features

<p><b>Teaching and Learning Methods</b></p> <p><i>(These are examples. Please fill which activities you use in the course)</i></p>	<p>Weekly theoretical course hours: 3  Reading Tasks  Internet browsing, library work  Preparation for Midterm and Midterm Exam  Final Exam and Preparation for Final Exam</p>					
<p><b>Assessment Criteria</b></p>		<p><b>Numbers</b></p>	<p><b>Total Weighting (%)</b></p>			
	Midterm Exams	1	30			
	Assignment	5	10			
	Application					
	Projects	1	20			
	Practice					
	Quiz					
	Percent of In-term Studies (%)		60			
	Percentage of Final Exam to Total Score (%)		40			
	Attendance					
<p><b>Workload</b></p>	<p><b>Activity</b></p>	<p><b>Total Number of Weeks</b></p>	<p><b>Duration (weekly hour)</b></p>	<p><b>Total Period Work Load</b></p>		
	Weekly Theoretical Course Hours	14	3	42		
	Weekly Tutorial Hours					
	Reading Tasks	10	4	40		
	Studies	10	4	40		
	Material Design and Implementation					
	Report Preparing					
	Preparing a Presentation					
	Presentations					
	Midterm Exam and Preparation for Midterm Exam	1	13	13		
	Final Exam and Preparation for Final Exam	1	15	15		
	Other ( should be emphasized)					
	Total Workload			150		
	Total Workload / 25			6		
	Course Credit (ECTS)			6		
<p><b>Contribution Level Between Course Learning Outcomes and Program Outcomes</b></p>	<p>No</p> <p>Program Outcomes</p>	<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>
	1	Sufficient knowledge on mathematics, science and computer engineering; ability to apply theoretical and practical knowledge in these areas to model and			X	
	2	Ability to identify, define, formulate and solve complex engineering problems; ability to choose and apply appropriate analysis and modelling methods for these		X		

	3	Ability to design a complex system, process, device, software, algorithm, or product under realistic constraints and circumstances to meet certain requirements; ability to apply modern					X
	4	Ability to choose, develop and use modern techniques and tools necessary for engineering applications; ability to effectively use computing technologies					X
	5	Ability to design and implement systems or experiments to solve engineering problems, collect and interpret data to evaluate and analyze the results of					X
	6	Ability to work effectively in intradisciplinary and interdisciplinary				X	
	7	Ability to efficiently prepare, evaluate and interpret reports				X	
	8	Ability to make presentations and conduct effective verbal and written communication in Turkish and English				X	
	9	Awareness of the necessity of lifelong learning; ability to access information, follow scientific and technological developments; ability to perpetually					X
	10	Awareness of professional and ethical responsibility, ability to act in accordance with ethical principles					X
	11	Ability to apply knowledge on project management, risk management and change management			X		
	12	Awareness of entrepreneurship and innovation, ability to design and build	X				
	13	Ability to devise local and global solutions to contemporary issues considering the effects of engineering applications on health environment and				X	
	14	Awareness of the legal consequences of engineering solutions					X
	15	Ability to apply knowledge on software development process and documentation	X				
	16	Knowledge on standards used in engineering applications					X
	17	Awareness of occupational health and security, information security and privacy					X
<b>The Course's Lecturer(s) and Contact Information</b>	Prof. Dr. Şeref SAĞIROĞLU ss@gazi.edu.tr						