

Course Description Form	
Course Code and Name	BDA5109 Big Data Law
Course Semester	Fall/Spring
Catalog Content	Personal Data Definition, Security, Privacy, Protection and Anonymous
Textbook	<ol style="list-style-type: none"> <li>1. Designing for Privacy and its Legal Framework (2018). Tamò-Larrieux, Aurelia.</li> <li>2. Data Privacy Law: An International Perspective (2014). Lee A. Bygrave.</li> <li>3. New Technology, Big Data and the Law (2017), Nikolaus Forgó, Mark Fenwick, Marcelo Corrales.</li> </ol>
Supplementary Textbooks	Big Data and Law: A Practitioner's Guide (2020),Joachim Schrey, Maria Cristina Caldarola.
Credit	8
Prerequisites of the Course ( Attendance Requirements)	There is no prerequisite or co-requisite for this course. 80% attendance is required.
Type of the Course	Elective
Instruction Language	English
Course Objectives	<ol style="list-style-type: none"> <li>1. To increase knowledge about big data and personal data security and to teach both theoretical and practical solutions to problems that may be encountered in these issues.</li> <li>2. Assessing the security of big data and personal data from the legal framework</li> </ol>
Course Learning Outcomes	At the end of this course, the student will be able to identify and identify personal data by evaluating data sources, and will be able to comprehend how personal data security can be provided on the legal basis.
Instruction Methods	This course is carried out only in the form of face to face training.
Weekly Schedule	<ol style="list-style-type: none"> <li>1. Big Data and Personal Data</li> <li>2. Big Data and Personal Data Security</li> <li>3. Security and Privacy Measures</li> <li>4. Confidentiality Issues in Big Data</li> <li>5. Data Protection in Big Data</li> <li>6. Big Data Anonymity</li> <li>7. Big Data and the Future of Privacy</li> <li>8. AI, ML and Data Analytics in the Age of Confidentiality Regulations</li> <li>9. Open Privacy</li> <li>10. General Data Protection Regulations and Confidentiality Procedures</li> <li>11. Data protection laws</li> <li>12. Determination of National and International Policies</li> <li>13. Week Research and application projects</li> <li>14. Week Research and application projects</li> </ol>
<b>Teaching and Learning Methods</b>  <i>(These are examples. Please fill which activities you use in the course)</i>	Weekly theoretical course hours: 3 Weekly applied course hours: 0 Reading Activities: 2 Internet browsing, library work: 1 Designing and implementing materials: 0 Report preparing: 3 Preparing a Presentation: 8 Presentations: 2 Preparation of Midterm and Midterm Exam : 10 Final Exam and Preparation for Final Exam: 18

Assessment Criteria									
Workload									
Contribution Level Between Course Learning Outcomes and Program Outcomes									
	No	Program Outcomes			1	2	3	4	5
	1	Reaches the expansion of knowledge by conducting scientific research in the field of engineering and evaluation, interpretation and application of information.							X
	2	Has extensive and in depth knowledge including the latest techniques, methods applied and their limitations in engineering.					X		
	3	Completes and applies knowledge by using scientific						X	

		methods by using limited or missing data and integrates information from different disciplines.					
	4	Be aware of new and developing practices of the profession, examines and learns when needed.		X			
	5	Defines and formulates problems related to the field, develops methods to solve them and applies innovative methods in solutions.					X
	6	Develops new and / or original ideas and methods, designs complex systems or processes and develops innovative / alternative solutions in their designs.			X		
	7	Designs and applies theoretical, experimental and modeling based researches, examines and solves the complex problems encountered in this process.				X	
	8	Works effectively in disciplinary and multidisciplinary teams, leads such teams and develops solution approaches in complex situations, works independently and takes responsibility.				X	
	9	Communicates oral and written using a foreign language at least at the level of European Language Portfolio C1.				X	
	10	Conveys the process and results of the studies in written and oral form in a systematic and clear manner in national and international environments within or outside the field.					X
	11	Knows the social, environmental, health, security, legal aspects of engineering applications; project management, and business life applications and be aware of the constraints of these engineering applications.					X
	12	Considers social, scientific and ethical values in the stages of data collection, interpretation		X			

	and announcement and in all professional activities.					
<b>The Course's Lecturer(s) and Contact Informations</b>	Computer Engineering Department Chair bmabb@gazi.edu.tr					