Cours	e Description Form				
Course Code and Name	5341329 Counter Forensics				
Course Semester	Fall-Spring				
	Providing security by developing attacks against the science of				
Catalog Data of the Course (Course Content)	forensic science, basics of counter forensics, counter-criminal				
	techniques, protection methodologies and mechanisms				
	Counter Hack Reloaded: A Step-by-Step Guide to Computer				
Textbook of the Course	Attacks and Effective Defenses (2nd Edition) by Edward Skoudis				
	(Author), Tom Liston (Author)				
	Investigating the Cyber Breach: The Digital Forensics Guide for				
Supplementary Textbooks	the Network Engineer 1st Edition				
Credit (ECTS)	by Joseph Muniz (Author), Aamir Lakhani (Author)				
Prerequisites of the Course					
(Attendance Requirements)	There is no prerequisite or co-requisite for this course.				
Type of the Course	Elective				
Instruction Language of the Course	Turkish				
Instruction Language of the Course	Establishing security by developing attacks against the science of				
Course Objectives	forensic science, establishing the necessary infrastructure for				
23222	cyber warfare				
	Student who pass this course will:				
	1. Having a basic knowledge about counter forensic				
	2. To be able to understand and analyze literature including				
	forensic and counter-forensic topics in the literature				
	3. To be able to understand and use the operation of algorithms				
	and methods used in the study of counter-forensic knowledge				
Learning Outcomes	4. To have the knowledge and equipment to implement and develop the methods necessary for effective use of counter-				
Learning Outcomes	criminal techniques in homeland security,				
	5. To understand the functioning of the instruments to be used in				
	order to prevent the acquisition of data, information and				
	knowledge to develop proper protection methodology and				
	mechanism,				
	6. To be able to fulfill the requirements in the homework and				
	reports and to present them in accordance with the content				
Instruction Method	The mode of delivery of this course is Face to face				
	1. Week: An Overview of Counter Forensic				
	 Week: Forensic and Counter Forensic Relation Week: Counter-Forensic Methods and Processes 				
	4. Week: Counter-Forensic and Homeland Security				
	5. Week: Counter-Forensic and Information Security				
Weekly Schedule of the Course	6. Week: Counter-Forensic and Secure Data Deletion				
	7. Week:Counter-Forensic Applications and Tools				
Treesily deficulte of the Course	8. Week:Mid-term exam				
	9. Week: Counter-Forensic and Steganography				
	10. Week: Counter-Forensic and Cryptology				
	11. Week: Counter-Forensic and Digital Content Protection 12. Week: Counter-Forensic and Buffer Overflow				
	13. Week: Student Presentations				
	14. Week: Final Exam				
	Weekly theoretical course hours				
Assesment Tasks	Reading Activities				
Assesment Tasks	Internet browsing, library work				
(The time spent for the activities listed here will	Designing and implementing materials				
determine the amount of credit required.)	Report preparing				
	Preparing a Presentation				
	Presentations Preparation of Midterm and Midterm Exam				
	Final Exam and Preparation for Final Exam				
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Assesment Criteria		Number		Total Veighting (%)	
	Midterm Exams		1	40)
	Assignment		5	20	
	Application		0		
	Projects		1	40	
	Practise		0		
	Quizes		0		
	Percent of In-term Studies to Year- to Year (%)			60	
	Percentage of Final Exam to Total Score (%)		40	
	Attendance				
	Activity	Total Number of Weeks	Duration (weekly hour)		Total Period Work Load
	Weekly Theoretical Course Hours	14		3	42
	Hours Per Week				0
	Reading Tasks	8		3	24
Workload of the Course	Internet Browsing, Library Work	8		3	24
	Designing and Implementing Materials	8		3	24
	Report Preparing	1		1	1
	Preparing a Presentation	14		2	28
	Presentations	14		3	42
	Midterm Exam and Preperation for Midterm Exam	1		1	1
	Final Exam and Preperation for Final Exam	1		1	1
	Other	1		1	1
	Total Workload				188
	Total Workload / 25				7.52
	Course Credit (ECTS)			<u> </u>	8
Contribution Level Between Course Outcomes and Program Outcomes	No Program Outcome	s		1 2	3 4 5
	conducting scient 1 field of engineer				X
	including the lates	Has extensive and in depth knowledge including the latest techniques, methods applied and their limitations in engineering.			X
	Completes and a using scientific limited or missing information from a	methods by g data and in	usin tegrate	ig es	X

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	4	Be aware of new and developing practices of the profession, examines and learns when needed.	·
	5	Defines and formulates problems related to the field, develops methods to solve them and applies innovative methods in solutions.	
	6	Develops new and / or original ideas and methods, designs complex systems or processes and develops innovative / alternative solutions in their designs.	
	7	Designs and applies theoretical, experimental and modeling based researches, examines and solves the complex problems encountered in this process.	,
	8	Works effectively in disciplinary and multidisciplinary teams, leads such teams and develops solution approaches in complex situations, works independently and takes responsibility.	
	9	Communicates oral and written using a foreign language at least at the level of European Language Portfolio B2.	
	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.	
	11	Knows the social, environmental, health, security, legal aspects of engineering applications; project management, and business lifeX applications and be aware of the constraints of these engineering applications.	
	12	Considers social, scientific and ethical values in the stages of data collection, interpretation and announcement and in all professional activities.	
The Course's Lecturer(s) and Contact Informations		, Surname: Asst. Prof. Dr. Uraz Yavanoğlu I address: uraz@gazi.edu.tr	