



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Information and Computer Security							
Course Code		BPR160		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach basic methods and approaches in data and information security management.							
Course Content		Learning technical approaches on information security and information systems security							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Project Based Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Information and Computer Security Gürol Canbek, Şeref Sağiroğlu
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Week	Weekly Detailed Course Contents	
1	Laboratory	Introduction to Information Security
2	Theoretical	Introduction to information security management
3	Theoretical	Introduction to information security management
4	Theoretical	Information security management standards
5	Theoretical	Security-based classification of data
6	Theoretical	Classification of information system users
7	Theoretical	Access permissions
8	Theoretical	Monitoring and controlling access
9	Intermediate Exam	Midterm
10	Theoretical	Information security management policies
11	Theoretical	Risk Analysis methods
12	Theoretical	NETWORK SECURITY CONCEPTS, DOS ATTACK
13	Theoretical	ATTACK DETECTION SYSTEMS
14	Theoretical	Computer Viruses
15	Theoretical	Firewalls
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	7	3	2	35
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Including information security and system security issues in the literature have the skills to understand and analyze the literature
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2	Algorithms and methods used in system security analysis to understand and use its functioning
3	Necessary methods to use system security techniques effectively knowledge and equipment that can apply and develop to understand and use
4	Data will be used to prevent the acquisition of Information and Self-knowledge understanding the functioning of tools and developing methodology,
5	To have sufficient knowledge about network security issues, attacks and solutions

Programme Outcomes (Computer Programming)

1	Having knowledge and skills in web project preparation and publishing
2	Having the knowledge and skills necessary for proper use management of database applications
3	Having knowledge and skills for software development, testing and installation
4	Be able to use the hardware necessary for computer programming and solve the basic problems they have with hardware
5	To be able to use information and communication technologies at the level required by computer programming
6	To be able to produce solutions to problems encountered in the field
7	Having the competencies to make job planning in the profession
8	Communicating with colleagues and clients based on knowledge and skills
9	Be able to take responsibility as an individual or as a team member and to fulfill the responsibility
10	To be able to express written and oral expressions related to the study topic
11	Be able to adapt the winning information to new situations

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	2	2	1	2	2
P2	1	2	1	1	2
P3	2	2	1	1	2
P4	2	2	2	1	2
P5	2	2	2	2	2
P6	2	2	2	2	1
P7	1	2	2	2	1
P8	1	2	1	2	2
P9	2	2	1	1	2
P10	2	2	1	1	1
P11	1	2	2	1	1

