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## YOZGAT BOZOK UNIVERSITY FACULTY OF ARTS AND SCIENCES CHEMISTRY DEPARTMENT COURSE PLAN

2006									
Cours Code	e Course Title	Semes ter	Course Type (C/E)	T+A+L (Time/Week)	Credi t	ECT S	Course Language		
SIB00 <sup>-</sup>	1 Cyber Security Fundamentals	Fall	C	2+0+0		2	Turkish		
		COURSE	INFORMAT	ION					
Course (Conte	e Catalog Description nt)	This course vulnerabilitie defense me attacks, info	This course; It consists of basic cyber security concepts, threats, vulnerabilities, attacks, cybercriminals and security experts, cyber defense methods, detection, mitigation and prevention techniques of attacks, information security and privacy.						
The Aim of the Course		The main a about cyber to lay a four	The main aim of this course is to teach students the basic concepts about cyber security, to develop students' perspectives in this field and to lay a foundation for further studies in the field of cyber security.						
Course	e Level	Bachelor de	Bachelor degree						
Course	e Language	Turkish							
Teaching method		(X) Formal	(X) Formal () Online () Mixed/Hybrid						
Teaching Staff of the Course		Related Lec	Related Lecturers						
Prerequisite Course(s) of the Course									
Course		<ol> <li>It can dev vulnerabil</li> <li>Explain th</li> <li>Explain th</li> <li>Explain th</li> <li>Explain th</li> <li>Explain th</li> </ol>	<ol> <li>It can develop a solution proposal against different security vulnerabilities.</li> <li>Explain the detection methods against different attacks.</li> <li>Explain the mitigation methods against different attacks.</li> <li>Explain the prevention methods against different attacks.</li> <li>Explain the prevention methods against different attacks.</li> <li>Explain the concepts of confidentiality, integrity and usability.</li> </ol>						
			DURSE CON	IENI					
Week	Theory	_0/1	Pra	ctice/Laboratory					
1	Introduction to cyber security	747							
2	Cyber criminals and security experts				_				
3	Cyber security cube								
4	Cyber security threats								
5 6	Vulnerabilities and attacks								
0	Privacy concept								
	Protecting privacy								
0									
	Ensuring integrity								
11	Usability concept								
12	Ensuring availability								
13	Protecting the cybersecurity space 1								

## **Course Learning Resources**

Final Exam

## 1. Lecture Notes

2. Cisco Networking Academy

ASSESSMENT CRITERIA						
Work Activities During the Semester	Number	Contribution				
Homework	1	%30				
Practice						
Forum/ Discussion Application						
Short Exam (Quiz)	2	%35				
Ratio Of Semester Studies To Semester Success (%)		%40				
Ratio of Final to Success (%)	1	%60				
Total		%100				

		COURSE WORKLOAD TA	BLE					
Activit	У	Total Weeks Duration (Weekly Hours)		eekly	Total Workload			
Theory		14		2		28		
Practic	ce la							
Forum	/ Discussion Application							
Reading		10		1		10		
Internet Scanning, Library Study		10		1		10		
Materia	al Design, Application							
Report	t Preparation							
Presen	ntation Preparation							
Presen	ntation							
Final Exam		1		1		1		
Prepar	ation for the Final Exam	1		6		6		
Other(s) (Specify:)								
Total V	Vorkload							
Total Workload / 25 (s)					55/25			
ECTS Credits of the Course					55/25≌2			
Note: TI	he workload of the course will be d	etermined by the instructor on	a per-cou	rse bas	is.			
No	PROGRAM LE	ARNING OUTPUTS CONT	RIBUTIC		ELS	3	1	5
				•	-	5	-	5
1	1 Gains extensive knowledge about the basic chemical properties of matter and uses this knowledge in daily life, industrial scale, and X practical chemistry and shares them with the society.							
2	2 Performs experiments, collects data, interprets, evaluates results,							
defines problems parallel to current technological developments, <b>X</b>								
3	3 Calculates and processes chemical information and data. X							
4	4 Applies her/his knowledge and understanding of chemistry to the							
	solution of unconventional qualitative and quantitative problems.			~				

8	Brings a chemical approach to the solution of environmental problems, makes environmental analyzes and reports.	x		
9	Knows a foreign language at a level to read and understand the basic terms and processes of the chemist profession.	x		
10	Can use computer software and information and communication technologies at the level required by the field.	x		
11	Adapts and transfers the knowledge gained in the field to secondary education.	x		
12	Apart from the field of chemistry, she/he gains knowledge in different branches of science that she feels close to.	x		
13	Carries out a study independently, makes group work and gains the awareness of taking responsibility.	x		
14	They can develop a positive attitude towards lifelong learning and constantly renew their professional knowledge and skills.	x		
15	Have sufficient awareness of the universality of social rights, social justice, quality culture and protection of cultural values, environmental protection, occupational health and safety.	x		

