

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
NEW MEDIA and INFORMATION SECURITY	YMİ4214917	Spring Semester	3+0	3	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assoc.Prof. Başak GEZMEN				
<b>Name of Lecturer(s)</b>					
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of the course is to have information about the data we have, to address the importance of data security in preventing unauthorized use of data and identifying risks related to data.				
<b>Course Content</b>	This course contains; Data security and its importance, Types of data security, Types of data that need to be secured, Threats to data security, Information Security Management, Information Security Management System Steps and Solutions, Advantages of Information Security Software, Protection of Data, Protection of Physical Data, Encryption of Electronic Data, Protection and Destruction of Electronic Data, Authorization and Encryption, Symmetric Encryption systems, Network Usage Policies, Security with Virtual Private Networks.				
<b>Course Learning Outcomes</b>		<b>Teaching Methods</b>	<b>Assessment Methods</b>		
Defines network and information security concepts		16, 6	A		
Define the security system design process and perform security risk analysis.		16, 6	A		
Information security management analyzes the changing risks and threats of organizations		10, 9	A		
<b>Teaching Methods</b>	10: Discussion Method, 16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Data security and its importance	Reading the topics mentioned from relevant sources			
2	Types of data security	Reading the topics mentioned from relevant sources			
3	Types of data that need to be secured	Reading the topics mentioned from relevant sources			
4	Threats to data security	Reading the topics mentioned from relevant sources			
5	Information Security Management	Reading the topics mentioned from relevant sources			
6	Information Security Management System Steps and Solutions	Reading the topics mentioned from relevant sources			
7	Advantages of Information Security Software	Reading the topics mentioned from relevant sources			
8	Protection of Data	Reading the topics mentioned from relevant sources			
9	Protection of Physical Data	Reading the topics mentioned from relevant sources			
10	Encryption of Electronic Data	Reading the topics mentioned from relevant sources			
11	Protection and Destruction of Electronic Data	Reading the topics mentioned from relevant sources			
12	Authorization and Encryption, Symmetric Encryption systems	Reading the topics mentioned from relevant sources			
13	Network Usage Policies	Reading the topics mentioned from relevant sources			
14	Security with Virtual Private Networks	Reading the topics mentioned from relevant sources			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

Resources	
Kamil Burlu, Bilişimin Karanlık Yüzü , Nirvana yayınları, 3.baskı, 2010.	
2.G. Canbek, Ş. Sağıroğlu, Bilgi ve Bilgisayar Güvenliği: Casus Yazılımlar ve Korunma Yöntemleri, Grafiker Ltd. Şti. Aralık 2006.	
3.Türkey HENKOĞLU, Adli Bilişim : Dijital Delillerin Elde Edilmesi ve Analizi, Pusula Yayınları, 2011.	
4.Veri ve Ağ Güvenliği Ders Notları, İ.Soğukpınar, G.Y.T.E.Bilg.Müh.Bölümü	