

School of Health Sciences / Nursing
2023 - 2024 Academic Year
INFORMATION TECHNOLOGIES and TOOLS II
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFORMATION TECHNOLOGIES and TOOLS II	HEM1211900	Spring Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Lect. Serpil AYDIN				
Name of Lecturer(s)	Lect. Serpil AYDIN				
Assistant(s)	Research Assistant Yaşar Gökalp				
Aim	is to teach student fundamentals of hardware, operating systems, office programs and especially spreadsheet program (excel) in order to have them ability to use them for management and operational levels.				
Course Content	This course contains; Computer Hardware and Troubleshooting, Social Networks and Social Media, "Custom Application Software", "Multimedia Applications", "EndNote Program", "Information Law and Ethics", "E-Learning (EdModo)", "E-Government Applications", "Computer and Network Security", "Network Security Practices", "Today's Strategic Technologies of Information Technology", "Cloud Computing and Types", "Cloud Computing Applications", BigData.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Explains computer types.			23, 8, 9	A	
Lists basic computer-related problems.			23, 8, 9	A	
Identifies internal and external units of the computer.			23, 8, 9	A	
Explains the importance of new communication technologies and the internet.			23, 8, 9	A	
Describes the use of social networks.			23, 8, 9	A	
Explains the importance of social media.			23, 8, 9	A	
Defines basic concepts used in multiple environments.			23, 8, 9	A	
Explains the reasons for using PDF software.			23, 8, 9	A	
Defines the concepts of Information Systems and Expert Systems.			23, 8, 9	A	
Explain the Web Design process.			23, 8, 9	A	
Defines the concepts of Virtual Reality and Robots.			23, 8, 9	A	
Explains concepts related to cyber law and cyber crimes.			23, 8, 9	A	
Defines the concept of intellectual rights and regulations related to the field of informatics.			23, 8, 9	A	
Explains the relationship between personal rights, personal data and IT law.			23, 8, 9	A	
Defines the concept of IT ethics.			23, 8, 9	A	
Explains Law No. 5651 and its regulations.			23, 8, 9	A	
Explains the development of the use of electronic technology in learning.			23, 8, 9	A	
Interprets content, interaction and evaluation components.			23, 8, 9	A	
Defines learning management system and virtual learning environments.			23, 8, 9	A	
Explains the open source movement.			23, 8, 9	A	
Explains personal learning environments and social learning concepts.			23, 8, 9	A	
Explains malicious software and precautions that can be taken against them.			23, 8, 9	A	
Explains firewall-related settings by defining the role and function of the antivirus software.			23, 8, 9	A	
Explains the precautions to be taken regarding the security of smartphones.			23, 8, 9	A	
Describes the applications required for a secure wireless network connection.			23, 8, 9	A	
Explain the challenges and opportunities of computing as it matures over time.			23, 8, 9	A	
Explains notice the clues of user-oriented computing.			23, 8, 9	A	
Teaching Methods	23: Concept Map Technique, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Computer Hardware and Troubleshooting	Relative Course Notes			
2	Social Networks and Social Media	Relative Course Notes			
3	"Custom Application Software"	Relative Course Notes			
4	"Multimedia Applications"	Relative Course Notes			
5	"EndNote Program"	Relative Course Notes			
6	"Information Law and Ethics"	Relative Course Notes			
7	"E-Learning (EdModo)"	Relative Course Notes			
8	"E-Government Applications"	Relative Course Notes			
9	"Computer and Network Security"	Relative Course Notes			
10	"Network Security Practices"	Relative Course Notes			
11	"Today's Strategic Technologies of Information Technology"	Relative Course Notes			
12	"Cloud Computing and Types"	Relative Course Notes			
13	"Cloud Computing Applications"	Relative Course Notes			
14	BigData	Relative Course Notes			
Evaluation Methods			Weight(%)		

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Midterm Exam	20
General Exam	80

Resources
Anadolu Üniversitesi Temel Bilgi Teknolojileri-II https://www.acikakademi.com/portal/egitimler/t/ ; Information Technology Law The Law and Society