COURSE PROFILE

Course Name	Code	Semester	Term	Theory+PS+Lab (hour/week)	Local Credits	ECTS
Introduction to Computing	IT101	Fall	1	2 + 0 + 2	3	5

Prerequisites	None

Course Language	English
Course Type	Required
Course Lecturer	Assoc. Prof. Dr. Vedat Coskun
Course Assistant	Kerem Ok
Course Objectives	The course aims to provide basic computer literacy, which is the foundation for higher-level courses. To this end, the course covers conceptual as well as practical skills, including: • Terminology and fundamentals of information technology. • Familiarity with computer hardware and peripheral devices. • Familiarity with popular operating systems, file management, and productivity software. • Searching for information on the web. • Principles of programming languages and software development.
Course Learning Outcomes	Upon successful completion of the course, students will: • understand the terminology and fundamentals of information technology • become aware of different operating systems such as Windows, Linux, and Unix • work with Office programs • create basic HTML pages
Course Content	Information technology concepts; Computer and its peripheral units; Widely used software, storing and retrieving information, information input and output; Networks and networking, Internet, Windows environment, Linux environment, HTML, computer graphics and multimedia; computer security.

COURSE CONTENT

Week	Subjects	Related Preparation
1	Computers & You	Chapter 1
2	Inside the System Unit	Chapter 2
3	Input / Output and Storage	Chapter 3
4	System Software	Chapter 4
5	Application Software	Chapter 5
6	Wired and Wireless Communication	Chapter 8
7	Networks	Chapter 7
8	The Internet & the WWW	Chapter 6
9	Privacy and Security	Chapter 9
10	Careers & Certification	Chapter 10
11	Databases and Information Systems and Program	Chapter 12
12	Programming Languages	Chapter 11
13	System Analysis and Design	Chapter 13
14	Enterprise Computing	Chapter 14

Course Textbook	Computers Are Your Future Complete, Catherine LaBerta, Pearson Prentice Hall
Recommended References	

Semester Requirements	Number	Percentage of Grade
Attendance/Participation		
Laboratory	14	20
Application		
Special Course Internship (Work Placement)		
Quizzes/Studio Critics		
Homework Assignments		
Presentation		
Project		
Seminar/Workshop		
Midterms/Oral Exams	1	35
Final/Resit Exam	1	45
Total		100

PERCENTAGE OF SEMESTER WORK		55
PERCENTAGE OF FINAL WORK		45
Total		100

Course Category	Core Courses	X
	Major Area Courses	
	Supportive Courses	
	Media and Management Skills Courses	
	Transferable Skill Courses	

COURSE'S CONTRIBUTION TO PROGRAM

#	Program Qualifications / Outcomes	* Level of Contribution				
		1	2	3	4	5
1	A foundation in mathematics and basic sciences and ability to apply acquired knowledge as they relate to the study and practice of information technology		X			
2	An ability to analyze a problem, identify and define the computing requirements appropriate to its solution, to understand, select and use appropriate technology, tools, standards, protocols, building blocks, and components to solve the problem					X
3	An ability to propose, analyze, design, develop, test and maintain an information technology system including software solutions, security model, computer and network infrastructure, information systems etc. to solve information technology problems			X		
4	An ability to analyze local and global impact of computing on individuals, organizations and society; and the ability to apply information technology techniques, skills, and tools for regular computing practices as well as to improve effectiveness of current methodologies	X				
5	An ability to effectively communicate in oral and written media with all kinds of related audiences; and prepare documentation for this purpose as required	X				
6	An understanding of professional, ethical, legal, and social issues and responsibilities of information technology profession				X	
7	A taste and breadth of knowledge across several social topics outside the immediate requirements of the information technology profession, and the ability to work within heterogeneous teams to accomplish a common goal including people from the information technology area as well as other disciplines		X			
8	An ability to engage in life-long learning and professional development for personal improvement to follow contemporary information technology issues					X

*1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION

Activities	Number	Duration	Total Workload
Course Hours (Including Exams)	14	2	28
Tutorials			
Laboratory	14	2	28
Application			
Special Course Internship (Work			
Field Work			
Study Hours Out of Class	14	3	42
Presentations / Seminar			
Project			
Preparatory reading	14	2	28
Homework Assignments			
Quizzes			
Midterm Exams	1	2	2
Final / Resit Exam	1	2	2
		Total Workload	130

COURSE CATEGORY

ISCED GENERAL AREA CODES	GENERAL AREAS	ISCED BASIC AREA CODES	BASIC EDUCATIONAL AREAS	
1	Education	14	Teacher Training and Educational Sciences	0
2	Humanities and Art	21	Art	0
2	Humanities and Art	22	Humanities	0
3	Social Sciences, Management and Law	31	Social and Behavioural Sciences	0
3	Social Sciences, Management and Law	32	Journalism and Informatics	0
3	Social Sciences, Management and Law	38	Law	0
4	Science	42	Life Sciences	0
4	Science	44	Natural Sciences	0
4	Science	46	Mathematics and Statistics	0
4	Science	48	Computer	100
5	Engineering, Manufacturing and Civil	52	Engineering	0
5	Engineering, Manufacturing and Civil	54	Manufacturing and Processing	0
5	Engineering, Manufacturing and Civil	58	Architecture and Structure	0
6	Agriculture	62	Agriculture, Forestry, Livestock, Fishery	0
6	Agriculture	64	Veterinary	0
7	Medicine and Welfare	72	Medical	0
7	Medicine and Welfare	76	Social Services	0
8	Service	81	Personal Services	0
8	Service	84	Transport Services	0
8	Service	85	Environment Protection	0
8	Service	86	Security Services	0