

NEU, Department of Computer Information Systems

Course Unit Title	Introduction To Computer Information Systems	
Course Unit Code	CIS 131	
Type of Course Unit	Compulsory	
Level of Course Unit	Bachelor's degree	
National Credits	3	
Number of ECTS Credits Allocated	7 ECTS	
Theoretical (hour/week)	2	
Practice (hour/week)	-	
Laboratory (hour/week)	2	
Year of Study	1	
Semester when the course unit is delivered	1	
Course Coordinator	Umut Zeki	
Name of Lecturer (s)	Umut Zeki	
Name of Assistant (s)	Bora Oktekin	
Mode of Delivery	Lecturing E-learning activities	
Language of Instruction	English	
Prerequisites and co-requisites	-	
Recommended Optional Programme Components	Basic Background on Algorithms	
Objectives of the Course:		
This course provides an overview of information systems. Topics include hardware and software fundamentals, use of software packages, effective use of networks, Internet, and other communication tools, the design of management information systems, as well as the ethical use of computers in business and society.		
Learning Outcomes		
When this course has been completed the student should be able to		Assessment.
1	Learn the IT history	1
2	Learn parts of a computer	1
3	Learn various number systems	1
4	Learn the basic principles of IT	1
Assessment Methods: 1. Written Exam, 2. Assignment 3. Project/Report, 4.Presentation, 5 Lab. Work		
Course's Contribution to Program		
		CL
1	Apply computer technology to address business information system needs.	5
2	Demonstrate a deeper understanding of at least one area of computing, such as programming, networking, technical support or web technology, enabling the student to gain employment in the information systems field.	4
3	Demonstrate critical thinking in understanding, evaluating and applying technology solutions to real life problems.	5
4	Demonstrate familiarity with e-commerce resources, tools, including web programming, publishing, database management tools.	4
5	Articulate ethical and professional standards to the use of computer information systems and computer based data.	3
6	Effectively use personal, interpersonal and communication skills in team work, time management in	4
7	Grow professionally through continuing education, research and development, and involvement in professional activities to recognize the need to engage in continuing professional development and lifelong learning.	5
8	Identify, analyze and develop solutions for information systems-related business problems/opportunities.	4
9	Demonstrate knowledge of current information, theories and models, and techniques and practices in all of the major business disciplines including the general areas in information technologies.	4
CL: Contribution Level (1: Very Low, 2: Low, 3: Moderate 4: High, 5:Very High)		

Course Contents			
Week	Chapter		Exams
1.	1	Definition of information and computer, and history	
2.	1	Definition of information and computer, and history	
3.	2	Computer number systems and data representation	
4.	3	Hardware of a computer system	
5.	3	Hardware of a computer system	
6.	3	Hardware of a computer system	
7.	3	Hardware of a computer system	
8.			Midterm
9.	4	Software of a computer systems	
10.	4	Software of a computer systems	
11.	5	Introduction to information systems	
12.	5	Introduction to information systems	
13.	5	Introduction to information systems	
14.			Quiz
15.			Final
Recommended Sources			
Textbook: Computers, L Long & N. Long, ISBN 0-13-083190-5, Publisher: Prentice Hall			
Supplementary Material (s): Introduction to Computer Information Systems 1 st , STEINBERG GEOFFREY and SANGHERA KAMALJEET, 2008 ISBN-13: 978-0757551918			
Assessment			
Attendance & Assignment	10%		
Midterm Exam (Written)	30%		
Quiz (Written)	10%		
Final Exam (Written)	50%		
Total	100%		
ECTS Allocated Based on the Student Workload			
Activities	Number	Duration (hour)	Total Workload(hour)
Course duration in class (including the Exam week)	15	4	60
Tutorials	8	7	56
Assignments	6	4	24
Project/Presentation/Report Writing	1	10	10
E-learning Activities	-	-	-
Quizzes	2	1	2
Midterm Examination	2	1	2
Final Examination	1	2	2
Self-Study	6	9	54

Total Workload	210
Total Workload/30 (h)	7
ECTS Credit of the Course	7