Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering Mechanical Engineering Department 2024-2025 Fall Semester SYLLABUS

Code/Name							
Туре	Required						
Credit/ECTS	2/2						
Hour per Week 2 (1+1+0)							
Level/Year Undergraduate/1							
Semester	Fall						
Classroom	L 308						
ContentComputer systems and components, input/output, and storage. Interr data, and file transfer. Wired and wireless communication. Text edit spreadsheets, equation solvers, and their applications using common so and writing a petition in a text editor program, basic and adva applications, and presentation preparation techniques. Introduction to solving through algorithms, and common programming software. Comp							
Prerequisites							
Textbooks	 Primary JG Brookshear, D Brylow, Computer Science: An Overview, 12th edition, Pearson, 2014. GM Schneider, J Gersting, Invitation to Computer Science (Introduction to CS), 6th edition Cengage, 2012. Supplementary P Donham, Introduction to Computer Science, 1stedition, Cognella Academic Publishing 2018. J Havill, Discovering Computer Science: Interdisciplinary Problems, Principles, and Phytom Programming, 2nd edition, CRC Press, 2020. 						
Objectives	 To introduce the basics of computers To introduce the basic architecture and technologies of the Internet To practice in the basic software applications such as text editors and spreadsheets To practice for presentation with applications To introduce the computational error 						
Course Outcomes	In this course you will be able to: CO1 Understand how a computer and its peripheral devices operate CO2 Understand the importance of the Internet technologies in daily life CO3 Organize basic text documents at an intermediate level CO4 Use spreadsheet programs effectively CO5 Use written presentation effectively CO6 Awareness of the computational error						

Weekly Schedule of Topics

W	Торіс
1	Basic computer knowledge, input/output, storage, and data processing
2	Introduction to operating systems, the web, networks, Internet, wired/wireless communication
3	Introduction to basic skills on common computer software (Word processing)
4	Introduction to basic skills on common computer software (Word processing)
5	Introduction to basic skills on common computer software (Spreadsheet applications)
6	Introduction to basic skills on common computer software (Spreadsheet applications)

7	Introduction to basic skills on common computer software (Spreadsheet applications)
8	Introduction to basic skills on common computer software (Spreadsheet applications)
9	Introduction to basic skills on common computer software (Spreadsheet applications)
10	Introduction to basic skills on common computer software (Spreadsheet applications)
11	Introduction to basic skills on common computer software (Presentation preparation)
12	Introduction to basic skills on common computer software (Presentation preparation)
13	Introduction to scientific problem solving, and common programming software
14	Common programming software and computational error

ProfessionalUnderstand the place and importance of computer science and programming in
mechanical engineering

Contribution to Program Outcomes*

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
C01	5	3	3	5	0	0	5	4	1	4	0
CO2	5	3	3	5	0	0	5	4	1	4	0
CO3	1	0	0	0	1	2	5	3	1	5	2
C04	3	2	5	5	0	0	0	5	1	5	3
C05	3	3	3	5	0	0	5	4	1	5	0
C06	5	3	3	5	0	0	5	4	1	4	0

* Contribution Level | 0: None | 1: Very Low | 2: Low | 3: Medium | 4: High | 5: Very High

Special Conditions	Students work in groups for presentations.					
-	• The consequence of violation of the attendance rule is to receive a grade of NA.					
Requirements						
Evaluation	Midterm Exam 30%					
	Quiz, Assignment 30%					
	<u>Final Exam 40%</u>					
	Total 100%					
Rubric						
Course Policy	1. You must attend at least 80% of the sessions including add-drop period.					
	2. Be in the class on time.					
	3. English should always be used to communicate with one another.					
	4. Mobile phone should be switched off and put away during the class.					
Cheating & Plagiarism	• Copying or letting someone to copy your work on exams, assignments, or reports is cheating.					
	• Cutting and pasting text, figures and tables from the web sources or any other electronic source is plagiarism.					

Instructor

Name/Surname	Alparslan Topcu	Email	alparslan.topcu@alanya.edu.tr
Room	230	Office Hours	Monday : 13:30 – 14:30
			Wednesday : 13:30 – 14:30

Prepared by Alparslan Topcu on August 28, 2024