COURSE DESCRIPTION FORM	
Course Code and Name	BM495 COMPUTER ENGINEERING PROJECT I
Course Semester	7
Catalogue Data of the Course (*Course Content*)	Defining, planning, executing, concluding, and reporting activities for an individual or team-based computer project
Course Textbooks	Applied Software Project Management 1st Edition by Andrew Stellman, Jennifer Greene, 2005.
Supplementary Textbooks	Software Project Management 5th Revised Edition by Bob Hughes, Mike Cotterell, 2009. Software Project Management in Practice 1st Edition by Pankaj Jalote, 2002.
Credit (*ECTS*)	5
Prerequisites for the Course (*Attendance Requirements*)	-
Course Type	Compulsory
Language of Instruction	Turkish
Course Objectives	To provide the ability to define, plan, execute, conclude, and report on projects; gaining experience in project documentation and presentation; developing the ability to anticipate and evaluate the societal implications of computer engineering applications.
Course Learning Outcomes	1.Acquires the capability to define, plan, execute, conclude, and report on computer projects. 2.Gains experience in project documentation and presentation. 3.Can plan time, budget, and human resources for the realization of the identified solution. 4.Becomes knowledgeable about practical applications in the business environment, such as project management, risk management, and change management. 5.Understands intellectual and industrial property rights and protects ideas. 6.Knows and applies a collaborative working culture. 7.Recognizes the importance of innovation and technology, incorporating it into their life. 8.Respects ethical values.
Instruction Method *(Face-to-face, Distance education etc.)*	Face-to-face
Weekly Schedule of the Course	Week 1. Project definition Week 2. Project management plan preparation Week 3. Project work Week 4. Project work Week 5. Project requirement specification preparation Week 6. Project work Week 7. Midterm report preparation Week 8. Project work Week 9. Project work Week 10. Project design document preparation Week 11. Project work Week 12. Project work Week 13. Project test document preparation Week 14. Final report and presentation preparation
Teaching Activities *(The time spent for the activities listed here will determine the amount of credit required)*	Weekly theoretical course hours:2 Weekly practical course hours:2 Reading activities Internet search and library work Designing and implementing materials Making a report Preparing and making presentations

Assessment Criteria

	Number(s)	Weight (%)
Midterm exam		
Assignment		
Application		
Project	1	100
Practice		
Quiz		
Final exam		
Total	1	100

Workload of the Course

Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload
Weekly theoretical course hours	14	2	28
Weekly practical course hours	14	2	28
Reading activities	14	1	14
Internet search and library work	14	1	14
Designing and implementing materials	14	2	28
Making a report	4	2	8
Preparing and making presentations	1	5	5
Midterm and revision for midterm			
Final exam and revision for final exam			
Total workload			125
Total workload/ 25			5
Course Credit (ECTS)			5

Contribution Level between Course Outcomes and Program Outcomes

No	Program Outcomes	1	2	3	4	5
1	Knowledge of mathematics, science, basic engineering, computing, and computer engineering; ability to use this knowledge in solving complex engineering problems.					X
2	Ability to define, formulate and analyze complex engineering problems using basic science, mathematics and engineering knowledge and considering the UN Sustainable Development Goals relevant to the problems addressed.				X	
3	Ability to design creative solutions to complex engineering problems; ability to design complex systems, processes, devices, software, algorithms or products to meet current and future requirements, considering realistic constraints and conditions.					X
4	Ability to select, use and develop appropriate techniques, resources and modern engineering and informatics tools, including estimation and modeling, for the analysis and solution of complex engineering problems while being aware of their limitations.				X	
5	Ability to use research methods to examine complex engineering problems or research topics in computer engineering, including reviewing the literature, designing experiments, conducting experiments, collecting data, analyzing and interpreting results.					X
6	Knowledge of the effects of engineering practices and the standards used in these			X		

		practices on society, health and safety, economy, sustainability and environment within the scope of the UN Sustainable Development Goals; awareness of the consequences of engineering solutions in the fields of information security and law.					
	7	Acting in accordance with engineering professional principles and knowledge on ethical responsibility; awareness of acting impartially, without discrimination on any issue, and being inclusive of diversity.				X	
	8	Ability to work effectively individually and as a team member or leader in intradisciplinary and multidisciplinary teams (face-to-face, remote, or hybrid).					X
	9	Ability to conduct effective verbal and written communication on technical issues in Turkish or English, prepare reports, make effective presentations and prepare software documentation, considering the various differences of the target audience (such as education, language, profession).					X
	10	Knowledge of business practices such as project, risk and change management and economic feasibility analysis; awareness of entrepreneurship and innovation.				X	
	11	Lifelong learning skill that includes the ability to learn independently and continuously, to adapt to new and developing scientific practices and technologies, and to think inquisitively about technological changes.				X	
Lecturer(s) and Contact Information	Lecturer's First/Last Name: Asst. Prof. Dr. Feyza YILDIRIM OKAY E-mail address: feyzaokay@gazi.edu.tr						