

TED UNIVERSITY, COURSE SYLLABUS

Faculty	Engineering	Department	Software Engineering
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Course Code & Number	SENG 313/SENG456	Course Title	C-Software Project Management
Type of Course	☒ Compulsory ☐ Elective	Semester	2025-26 ☒ Fall ☐ Spring ☐ Summer
Course Credit Hours	(3+0+0) 3	Number of ECTS Credits	5
Pre-requisite	CMPE 114	Co-requisite	N/A
Mode of Delivery	☒ Face-to-face ☐ Distance learning	Language of Instruction	☒ English ☐ Turkish
Course Coordinator	Dr. Elif KURTARAN ÖZBUDAK	Course Lecturer(s)	Dr. Elif KURTARAN ÖZBUDAK
Required Reading	Software Project Management Bob Hughes&Mike Cotterel	Recommended Reading	Software Engineering by Ian Sommerville 10th Edition, Pearson Education Limited 2016, ISBN: 978-0-13-394303-0 Coursera : Course #1 : Software Processes and Agile Practices, University of Alberta Course #2 : Agile Planning for Software Products, University of Alberta

Course Catalog Description	Software project management: introduction to project planning, team organization, software cost estimation, software metrics, risk analysis and management, resource management, project monitoring and control, contract management, personnel management, software quality assurance, software configuration management, software project management tools, project management processes, assessing development standards.
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Course Objectives	Give students an understanding of basic principles and techniques for planning, scheduling and managing a software development project.		
Course Learning Outcomes	Upon successful completion of this course, the students will be able to: 1. Understand software project management fundamentals. 2. Develop and apply project scheduling and estimation techniques: 3. Compare and evaluate various software development methodologies to select appropriate strategies for different project scenarios. 4. Develop software project management plans 5. Manage project quality, risks, and changes throughout the project life cycle.		
Learning Activities & Teaching Methods¹	☒ Brainstorming ☒ Case Study/Scenario Analysis ☐ Collaborating ☐ Concept Mapping ☒ Demonstrating ☒ Discussions / Debates ☐ Drama / Role Playing ☐ Experiments ☐ Field Trips ☐ Guest Speakers	☒ Hands-on Activities ☐ Inquiry ☐ Microteaching ☒ Oral Presentations / Reports ☐ Peer Teaching ☐ Predict-Observe-Explain ☒ Problem Solving ☐ Questioning ☒ Reading	☐ Scaffolding / Coaching ☐ Seminars ☐ Service Learning ☐ Simulations & Games ☒ Telling / Explaining ☐ Think-Pair-Share ☐ Video Presentations ☐ Web Searching ☒ Other(s)

Assessment Methods & Criteria²	☐ Case Studies / Homework	(...%)	☐ Presentation (Oral, Poster)	(0 %)
	☐ Lab Assignment	(...%)	☒ Project	(20 %)
	☐ Observation	(...%)	☒ Quiz	(10%)
	☐ Oral Questioning	(...%)	☐ Self-evaluation	(...%)
	☐ Peer Evaluation	(...%)	☒ Test/Exam	(65 %)
	☐ Performance Project (Written, Oral)	(...%)	☒ Other(s): Class Activities/Active Class Participation	(5%)
	☐ Portfolio	(...%)		

Student Workload³	☒ Case Study Analysis	(10 hrs)	☐ Online Discussion	(... hrs)
	☒ Course Readings	(25 hrs)	☐ Oral Presentation	(...hrs)
	☐ Debate	(... hrs)	☐ Poster Presentation	(... hrs)
	☐ Demonstration	(... hrs)	☐ Report on a Topic	(... hrs)

¹ Multiple options possible.

² Multiple options possible. A percentage must be stated for the selected assessment method & criteria.

³ Multiple options possible. The student workload is found by multiplying the number and duration (hour) of the activity involved.

☒ Exams/Quizzes	(30 hrs)	☐ Research Review	(... hrs)
☐ Field Trips/Visits	(... hrs)	☐ Resource Review	(... hrs)
☒ Hands-on Work	(20 hrs)	☐ Team Meetings	(... hrs)
☐ Lab Applications	(... hrs)	☐ Web Designs	(... hrs)
☒ Lectures	(42 hrs)	☐ Work Placement	(... hrs)
☐ Mock Designs	(... hrs)	☐ Workshop	(... hrs)
☐ Observation	(... hrs)	☒ Other(s): Project	(25 hrs)
Total Workload⁴			152

COURSE ASSIGNMENTS	
A. Mid-term [30%]	
B. Project [20 %]	
The course project will be completed in teams. Each team will select a real improvement topic within TEDU, prepare a Project Charter (5%), submit a Software Project Management Plan (SPMP) (10%), and deliver a final presentation (5%). Deliverables must follow the provided templates, use project management tools effectively, and demonstrate teamwork, planning, and clear communication. While project deliverables are submitted as a team, grades within each team may differ based on individual contributions, participation, and presentation performance.	
C. Quizzes [10%]	
There will be 2 quizzes each worth 5%.	
D. Final [35%]	
E. Class Activities/Active Class Participation [5%]	
It is encouraged that you participate in class activities and discussions. Your grade for class activities is based on attendance and participation in in-class exercises. Points are awarded as follows:	
Attendance Level	
Above 80% 5 points	
Above 70% 4 points	
Above 60% 3 points	
Above 40% 2 points	
Above 20% 1 point	
Else 0 points	
Active participation during activities is encouraged and may influence the final score within these ranges.	
Class activities are conducted physically during lecture hours. Participation in these activities is required to receive class activity points.	
Important: If it is discovered that a student submitted class activity work without attending the session in person (e.g., work uploaded from home or by a friend), the entire class activity grade will be reduced to zero for that student.	

⁴ Computing the ECTS credits of a course: Total workload / 25 or 30 hours = ECTS credit and 1 ECTS credit = 25-30 hours

COURSE POLICIES	
Attendance	
Attendance is not mandatory, but strongly recommended.	
Missed Deadline/Exam	
There will be only one make-up exam for midterm and final exam, if the student can provide a legal document confirming a life threatening health issue at the time of the exam, or with the consensus of the CMPE faculty. No make-up will be given for quizzes.	
Late Assignment Submission Policy	
Late submissions will be graded with penalty. The allowed number of days for late submissions is maximum two, there will be a 20% decrease per day.	
Extra Credit	
Extra credits will not be offered.	
Project Assignment Rules	
- The project is a team-based assignment, and all deliverables (Charter, SPMP, Presentation) must be prepared and submitted by the team. - Each team may submit only one version of each deliverable. In case of multiple submissions, only the latest submission will be graded.	
Generative AI Usage Rules	
Generative AI may be used in this course with proper attribution. You are permitted to use Generative AI tools to enhance productivity. In class, we will explore how Generative AI is applied within this discipline, including its potential benefits and risks, appropriate attribution practices, and other emerging topics. When using Generative AI, follow these guidelines: You are responsible for your content: This includes all written work, digital or interactive media assignments, and projects. AI-generated content may contain inaccuracies, offensive material, or biased and unethical representations. You are fully accountable for ensuring the quality and integrity of your submissions. Provide clear attribution: Any assignments incorporating Generative AI must include proper attribution, following the guidelines outlined in this course. Failure to do so may be considered academic dishonesty and will be addressed under the Code of Ethical Conduct for students. In the case of sufficient cause for concern, a disciplinary action will be taken in accordance with HEC (Higher Education Council- YÖK) rules and regulations.	
Plagiarism	
All of the following are considered plagiarism: - turning in someone else's work as your own - copying words or ideas from someone else without giving credit - failing to put a quotation in quotation marks - giving incorrect information about the source of a quotation - changing words but copying the sentence structure of a source without giving credit - copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not - Failure to acknowledge the use of AI tools, or misuse of AI-generated content Plagiarism is a very serious offense and will be penalized accordingly by the university disciplinary committee. The best way to avoid accidentally plagiarizing is to work on your own before you ask for the help of other resources.	

Cheating

Cheating has a very broad description which can be summarized as “acting dishonestly”. Some of the things that can be considered as cheating are the following:

- Copying answers on examinations, homework and laboratory works,
- Using prohibited material on examinations,
- Lying to gain any type of advantage in class
- Providing false, modified or forged data in a report
- Plagiarizing.
- Modifying graded material to be regraded.
- Causing harm to colleagues by distributing false information about an examination, homework or laboratory

Cheating is a very serious offense and will be penalized accordingly by the university disciplinary committee.

Class Readings

Class readings are necessary but not mandatory. The material covered in class by your instructor will only provide a fundamental understanding of the general context. The reading materials will be provided by the instructor, at the relevant week.

(TENTATIVE) COURSE OUTLINE

Week	Dates	Topics	Readings	Assignments
1	22.09-26.09	Course Introduction		
2	29.09-3.10	SW Project Management Fundamentals	Chapter 1	
3	6.10-10.10	Project Approaches : SDLC Models	Chapter3 Chapter 3, Sommerville Coursera : Software Processes and Agile Practices	
4	13.10-17.10	Project Planning & Agile Practices	Chapter3 Chapter 23.4, Sommerville Coursera: Agile Planning for Software Products, University of Albetra	
5	20.10-24.10	Activity Planning Project Scheduling Techniques	Chapter 6	

6	27.10-31.11 (National Holiday 29.10)	Resource Allocation	Chapter 8	Quiz 1
7	3.11-7.11	Software Project Estimation	Chapter 5, 7.10	
8	MIDTERM EXAM			
9	17.11-21.11	Risk Management	Chapter 7	
10	24.11-28.11	Project Monitoring and Control	Chapter 9	
11	1.12-5.12	Configuration Management	Chapter 25, Sommerville	
12	8.12-12.12	SW Quality Management	Chapter 24, Sommerville	
13	15.12-19.12	Team Management	Chapter 11	Quiz 2
14	22.12-26.12	Project Presentations		

Prepared By ⁵	Dr. Elif KURTARAN ÖZBUDAK	Date	16/09/2025
Revised By ⁶		Rev. Date	

STUDENT SERVICES INFO:

Student Development and Psychological Counseling Center:

The Center is a service mandated with providing crisis intervention and supportive listening services to the campus community. A major part of fulfilling that mandate is raising awareness of our service so students know they are never alone in dealing with problems. You may contact the SDPCC at: ogrencidanismamerkezi@tedu.edu.tr, 0312 585 0316, Office A122, Or visit their website at <http://csc.tedu.edu.tr/>

TEDU COPeS - Psycho-Social Support

TED University Psychosocial Support Team was initially established in order to facilitate coping with the psychological, social, familial, academic, and professional difficulties that may arise due to adverse conditions associated with COVID-19 pandemic for TEDU students and employees.

In time we have expanded our services to provide psychosocial support in diverse disasters. In this line, TEDU COPeS offers psychosocial support for TED University students and employees in the aftermath of Kahramanmaraş earthquakes.

For further information and/or questions, visit their website at <https://copes.tedu.edu.tr/>

Specialized Support and Students with Disabilities

⁵ It is the first person to prepare the course profile form and the first preparation date.

⁶ It is the person who revised the course profile form and the date of revision. It will be used if the course profile form is revised. In the new course proposal, this field will be left blank.

Students who may require specialized support due to a disability affecting mobility, vision, hearing, learning, mental or physical health should consult with Specialized Support and Disability Coordinator, Asst. Prof. Emrah Keser E-mail: emrah.keser@tedu.edu.tr, or visit the website at <https://www.tedu.edu.tr/tr/main/engelsiz-tedu>