

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	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective	Semester	2024-25 <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Summer
Course Credit Hours	(3+0+0) 3	Number of ECTS Credits	5
Pre-requisite	CMPE 114	Co-requisite	N/A
Mode of Delivery	<input checked="" type="checkbox"/> Face-to-face <input type="checkbox"/> Distance learning	Language of Instruction	<input checked="" type="checkbox"/> English <input type="checkbox"/> Turkish
Course Coordinator		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 Albetra

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	<p>Upon successful completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> 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	<input checked="" type="checkbox"/> Brainstorming <input checked="" type="checkbox"/> Case Study/Scenario Analysis <input type="checkbox"/> Collaborating <input type="checkbox"/> Concept Mapping <input checked="" type="checkbox"/> Demonstrating <input checked="" type="checkbox"/> Discussions / Debates <input type="checkbox"/> Drama / Role Playing <input type="checkbox"/> Experiments <input type="checkbox"/> Field Trips <input type="checkbox"/> Guest Speakers	<input checked="" type="checkbox"/> Hands-on Activities <input type="checkbox"/> Inquiry <input type="checkbox"/> Microteaching <input checked="" type="checkbox"/> Oral Presentations / Reports <input type="checkbox"/> Peer Teaching <input type="checkbox"/> Predict-Observe-Explain <input checked="" type="checkbox"/> Problem Solving <input type="checkbox"/> Questioning <input checked="" type="checkbox"/> Reading	<input type="checkbox"/> Scaffolding / Coaching <input type="checkbox"/> Seminars <input type="checkbox"/> Service Learning <input type="checkbox"/> Simulations & Games <input checked="" type="checkbox"/> Telling / Explaining <input type="checkbox"/> Think-Pair-Share <input type="checkbox"/> Video Presentations <input type="checkbox"/> Web Searching <input checked="" type="checkbox"/> Other(s)

Assessment Methods & Criteria²	<input checked="" type="checkbox"/> Case Studies / Homework	(15%)	<input type="checkbox"/> Presentation (Oral, Poster)	(0 %)
	<input type="checkbox"/> Lab Assignment	(...%)	<input type="checkbox"/> Project	(.. %)
	<input type="checkbox"/> Observation	(...%)	<input checked="" type="checkbox"/> Quiz	(15%)
	<input type="checkbox"/> Oral Questioning	(...%)	<input type="checkbox"/> Self-evaluation	(...%)
	<input type="checkbox"/> Peer Evaluation	(...%)	<input checked="" type="checkbox"/> Test/Exam	(65 %)
	<input type="checkbox"/> Performance Project (Written, Oral)	(...%)	<input checked="" type="checkbox"/> Other(s): Class Activities/Active Class Participation	(5%)
	<input type="checkbox"/> Portfolio	(...%)		

Student Workload³	<input checked="" type="checkbox"/> Case Study Analysis	(10 hrs)	<input type="checkbox"/> Online Discussion	(... hrs)
	<input checked="" type="checkbox"/> Course Readings	(25 hrs)	<input type="checkbox"/> Oral Presentation	(...hrs)
	<input type="checkbox"/> Debate	(... hrs)	<input type="checkbox"/> Poster Presentation	(... 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.

<input type="checkbox"/> Demonstration	(... hrs)	<input type="checkbox"/> Report on a Topic	(... hrs)
<input checked="" type="checkbox"/> Exams/Quizzes	(30 hrs)	<input type="checkbox"/> Research Review	(... hrs)
<input type="checkbox"/> Field Trips/Visits	(... hrs)	<input type="checkbox"/> Resource Review	(... hrs)
<input checked="" type="checkbox"/> Hands-on Work	(20 hrs)	<input type="checkbox"/> Team Meetings	(... hrs)
<input type="checkbox"/> Lab Applications	(... hrs)	<input type="checkbox"/> Web Designs	(... hrs)
<input checked="" type="checkbox"/> Lectures	(42 hrs)	<input type="checkbox"/> Work Placement	(... hrs)
<input type="checkbox"/> Mock Designs	(... hrs)	<input type="checkbox"/> Workshop	(... hrs)
<input type="checkbox"/> Observation	(... hrs)	<input checked="" type="checkbox"/> Other(s): Coursera	(25 hrs)
Total Workload⁴			152

COURSE ASSIGNMENTS
A. Mid-term [30%]
B. Assignments [15%] There will be a total of 3 Coursera assignments from “Agile Planning for Software Products, University of Albetra.” These are peer-graded assignments at the end of each course in Coursera. In total, Coursera assignments are worth 15% (5% each) of the overall course grade.
C. Quizzes [15%] There will be 2 quizzes .
D. Final [35%]
E. Class Activities/Active Class Participation [5%] It is encouraged that you participate in class activities and discussions. Class participation is awarded based on your attendance to written class activities and your contribution to class discussion.

COURSE POLICIES
Attendance Attending is NOT mandatory , but strongly recommended . Some hands-on activities and discussions will be done in the lectures. If you would like to collect points for these activities (see active class participation clause), you need to attend the lectures.
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.
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.

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

Extra Credit

Extra credits will not be offered.

Project Assignment Rules

All assignment works must be done individually unless otherwise stated. A student can submit only one work. In case of multiple submissions, only the latest submission will be considered. Students cannot submit work on other students' behalf.

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"

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	23.09-27.09	Course Introduction		
2	30.09-4.10	SW Project Management Fundamentals	Chapter 1	
3	7.10-11.10	Project Planning & Agile Planning	Chapter3 Chapter 23.4, Sommerville	
4	14.10-18.10	Coursera : Software Processes and Agile Practices	Study from Coursera	Ass #1: Coursera : Agile Planning for Software Products, Module 1 Peer Graded Assignment
5	21.10-25.10	Selection of an Appropriate Project Approach	Chapter3 Chapter 3, Sommerville	
6	28.10-1.11	Activity Planning Project Scheduling Techniques	Chapter 6	Ass #2: Coursera : Agile Planning for Software Products, Module 2 Peer Graded Assignment
7	4.11-8.11	Resource Allocation	Chapter 8	Quiz 1
8	MIDTERM EXAM 15.11.2024 Lecture Hour			
9	18.11-22.11	Software Project Estimation	Chapter 5, 7.10	
10	25.11-29.11	Risk Management	Chapter 7	Ass #3: Coursera : Agile Planning for Software Products, Module 3 Peer Graded Assignment
11	2.12-6.12	Project Monitoring and Control	Chapter 9	
12	9.12-13.12	Configuration Management	Chapter 25,Sommerville	
13	16.12-20.12	SW Quality Management	Chapter 24, Sommerville	Quiz 2
14	23.12-27.12	Team Management	Chapter 11	

Prepared By⁵	Dr. Elif KURTARAN ÖZBUDAK	Date	16/09/2024
Revised By⁶	Dr. Elif KURTARAN ÖZBUDAK	Rev. Date	30/09/2024

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.

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

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>