



MARMARA UNIVERSITY - FACULTY OF ENGINEERING

2017-2018 Fall

CSE 3000 Summer Practice-1

CSE 4000 Summer Practice -2

COURSE DESCRIPTION FORM

Offering Department		Department of Computer Engineering		Undergraduate must course					
Course Code		CSE 3000/4000							
Course Name		Summer Practice-1 / Summer Practice -2							
Language of Instruction		English							
ECTS		10 / 10							
Contact Hours		Theoretical (T):0		Practice (U): 30 working days			Laboratory (L):0		
Pre-requisites		-							
Instructor		Name		Computer Engineering Department Internship Committee					
		E-mail		berna.altinel@marmara.edu.tr					
Course Materials		Mandatory		It is compulsory to attend the Internship Information Meeting.					
		Recommended		To read Marmara University Faculty of Engineering Internship Regulations, follow the announcements about the internship committee of the department, follow the internship web page, ask the questions to the internship commission of the department in office hours.					
Course Objectives		To gain practical and technological experience in the management and realization of real-world problems by individual and teamwork in industrial IT and engineering organizations. Ability to convert effectively the stages of realization of a pre-defined problem into project-report in industrial IT and engineering organizations.							
Course Content		To get observations and information about the processes of managing / realizing problems in industrial IT and engineering organization. To learn about the technical real-world problem that needs to be solved and perform the related steps of Software Life Cycle such as software requirement analysis, design, development and testing. To write the report about the implemented system and acquired experience.							
Learning Outcomes		LO1		To get practical and technological experience about the management / realization of real world problems in industrial IT and engineering organizations.					
		LO2		To get experience in the development of a system or application by individual and teamwork in industrial IT and engineering organizations.					
		LO3		To get ability to perform effectively the requirement analysis phase of a pre-defined software problem in industrial IT and engineering organizations by individual and teamwork.					
		LO4		To get ability to perform effectively the design phase of a pre-defined software in industrial IT and engineering organizations by individual and teamwork.					
		LO5		To get ability to perform effectively the implementation and testing phases of a pre-defined software problem in industrial IT and engineering organizations by individual and teamwork.					
		LO6		To get experience about creating a report of the stages of the accomplished real world problem in industrial IT and engineering organizations.					
Program Outcomes				LO1	LO2	LO3	LO4	LO5	LO6
PO7		Ability to communicate effectively in Turkish, both orally and in writing (a); ability to write effective reports, to understand written reports and to prepare design/production reports in a foreign language (b); ability to do effective presentations; ability to take and give clear instructions (c).							b
PO8		Recognition of the need for lifelong learning (a); ability to access information, to follow developments in science and technology, and to continue to educate him/herself (b).		a,b	a,b	b	b	b	
PO10		Information about business life practices such as project management, risk management, and change management (a); awareness of entrepreneurship, innovation (b), and sustainable development (c).		a					
Subjects (Knowledge, Skills and Behaviours), Contributions of Subjects to Learning Outcomes, Assessment Methods	No	Week	Subjects	LO1	LO2	LO3	LO4	LO5	LO6
	S1	1	Obtaining observations and experience about the stages of managing / realizing problems in industrial IT and engineering organization.	R,O					
	S2	1-2	To get the required experience and take the required training about the technical real-world problem in industrial IT and engineering organization.		R,O				
	S3	2-3	To perform software requirement analysis and design phases of a real-world software problem that needs be resolved in industrial engineering and IT organization.			R,O	R,O		
	S4	4-5	To perform implementation and test phases of a real-world software problem that needs be resolved in industrial					R,O	

			engineering and IT organization.							
	S5	6	To create a report about the realized software system.						R,O	
Assessment Methods and Weights	No	Type	Weight	Implementation Rule		Make-up Rule				
	R	Report	80%	The project is performed with the phases of Software Life Cycle such as software requirement analysis, design, and implementation. It is expected to create a report in English about the realized system in an original and effective way.		Internship report and evaluation forms are collected on the dates specified by the Internship Committee of the Department of Computer Engineering. The students, who fail to submit their internship documents to the department until the deadline with one of the excuses listed in the Marmara University Excursion Examination Directive, are interviewed by the departmental internship committee, tell their excuses, and submit the documents to the department secretary.				
	O	Others	20%	Internship Evaluation Form: The opinions and comments of the organization about the internship work performed are taken into consideration.		Internship report and evaluation forms are collected on the dates specified by the Internship Committee of the Department of Computer Engineering. The students, who fail to submit their internship documents to the department until the deadline with one of the excuses listed in the Marmara University Excursion Examination Directive, are interviewed by the departmental internship committee, tell their excuses, and submit the documents to the department secretary.				
	TOTAL			100%						
Determining Letter Grades	<ul style="list-style-type: none"> According to Marmara University Faculty of Engineering Internship Regulations, internship documents (internship report and internship evaluation form) are evaluated and it is decided that whether the student pass or fail the course. 									
	Assessment		Internship Report	Internship Evaluation Form		TOTAL				
	Weight		80	20		100				
Teaching Method, Student Work Load	Time Applied by Instructor									
	No	Method	Explanation						Hours	
	1	Lectures	Lectures are given in class using the board or via presentations. Example questions are solved to enhance the concepts.							
	2	Problem Session/ Practice	Problems related to the course topics are solved on the board.							
	3	Laboratory	Experiments are done in the laboratory or theoretical concepts covered during the lectures are practiced using computer exercises.							
	4	Interactive Courses	Questions are asked to students during lectures and they are encouraged to guess the answers (peer learning is also in this category)							
	5	Field Work	Students attend activities outside the campus.						6 weeks, 40 hours/week 6x40=240 hours	
	6	Midterm	Midterm exam is given during the midterm week.							
	7	Final	Final exam is given during the final exam week.							
	Estimated Time to be Allocated by a Student									
	8	Project	The students carry out research about the problem given in the project.						10	
	9	Homework	The students solve the problems given as homework.							
	10	Pre-class learning of Course Material	The students study and learn the new subjects from course materials.							
11	Review of Course Material	Students review the course subjects from course materials to prepare for the exams and homework.								
12	Office Hour	Students ask questions to the instructor or the assistant during office hours.								
Total									250	
Academic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.									
	In case academic dishonesty is observed, the first authority is the instructor of the course. The instructor may decide to give the student zero for the homework(s)/lab(s)/exam(s), give the letter grade FF, or may take disciplinary action.									