



COURSE INFORMATION FORM

Faculty	Faculty of Engineering		
Program	B.Sc. in Civil Engineering	Elective	
	B.Sc. in Computer Engineering	Required	
	B.Sc. in Electrical-Electronics Engineering	Elective	
	B.Sc. in Industrial Engineering	Elective	
	B.Sc. in Mechanical Engineering	Elective	

Course Code	COMP 300			
Course Title in English	Computer Engineering Practice II			
Course Title in Turkish	Bilgisayar Mühendisliği Stajı II			
Language of Instruction	English			
Type of Course	Internship / Fieldwork / Guided Personal Study			
Level of Course	Undergraduate			
Course Category (by % of Content)	Basic Science	Basic Engineering	Engineering Design	General Education
	0	80	20	0
Semester Offered	Fall			
Contact Hours per Week	Lecture: -	Recitation:	Lab: -	Other: -
Estimated Student Workload	50 hours per semester			
Number of Credits	2 ECTS			
Grading Mode	Standard Letter Grade			
Pre-requisites	Minimum three semesters of engineering education			
Expected Prior Knowledge	Basic engineering knowledge is expected.			
Co-requisites	None			
Registration Restrictions	Only Undergraduate Students			
Overall Educational Objective	To practice basic science, engineering and design concepts in a company operating in the field related to computer engineering.			
Course Description	This course introduces the applications of the computer engineering concepts by practicing engineering in a company, observing professional working environment of engineers, getting actively involved in the projects of the company.			
Course Description in Turkish	Bu ders bilgisayar mühendisliği kavramlarının pratik uygulamalarına giriş sağlamak amacıyla olup, bir şirkette mühendislik uygulaması yapmak, mühendislerin profesyonel iş hayatlarını gözlemlemek, şirketin projeleri ile aktif olarak ilgilenmek konularını içerir.			
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: 1. employ practical applications of computer engineering; 2. contribute to the company's technology/product development efforts; 3. understand the economics of engineering; 4. recognize engineering ethics and responsibilities; 5. demonstrate professional written and oral communication.			

Relationship of the Course with the Student Outcomes	Level	Learning Outcome (s)	Assessed by
Program Outcomes	N=None S=Supportive H=High		Exam, Project, HW, Experiment, Presentation, etc.

(a) an ability to apply knowledge of mathematics, science, and engineering	N		
(b) an ability to design and conduct experiments, as well as to analyze and interpret data			
(b)-1. an ability to design/develop an experiment by identifying required assumptions, constraints, data collection methods and models	N		
(b)-2. Implement experimental procedures to conduct an experiment and use engineering judgment to draw conclusions	N		
(c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	H	1,2	Internship Report. Company Survey
(d) an ability to function on multidisciplinary teams			
(d)-1. Function effectively on a intradisciplinary team	S	2	Internship Report. Company Survey
(d)-2. Function effectively on a multidisciplinary team	N		
(e) an ability to identify, formulate, and solve engineering problems	S	1,2	Internship Report. Company Survey
(f) an understanding of professional and ethical responsibility	S	3,4	Internship Report. Company Survey
(g) an ability to communicate effectively			
(g)-1. Communicate effectively with well-organized written documents	H	5	Internship Report. Company Survey
(g)-2. Communicate effectively verbally with a range of audiences	H	5	Internship Report. Company Survey
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	S	1,3,4	Internship Report. Company Survey
(i) a recognition of the need for, and an ability to engage in life-long learning	H	1,2	Internship Report. Company Survey
(j) a knowledge of contemporary issues	S	1,2,3	Internship Report. Company Survey
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	H	1,2,3	Internship Report. Company Survey

Prepared by and Date	Prof. Dr. Muhittin Gökmen/ July 2017	
Semester	Fall 2017-2018	
Name of Instructor	Doç. Dr. Şuayb Arslan	
Course Contents	Week	Topic
	1.	Evaluation process announced
	2.	Students write their report
	3.	Students write their report
	4.	Report Due
	5.	Evaluation
	6.	Evaluation
	7.	Evaluation
	8.	Finalization of the first round evaluation
	9.	Students receive feedback on report – pass / resubmit
	10.	Students re-write their report
	11.	Resubmission due
	12.	Evaluation
	13.	Evaluation

	14.	Letter grade assessment
	15.	Final Examination Period
	16.	Final Examination Period
Required/Recommended Readings	MEF University, Engineering Faculty and Computer Engineering Department Internship Regulations	
Teaching Methods	-	
Homework and Projects	-	
Laboratory Work	-	
Computer Use	-	
Other Activities		
Assessment Methods	Type of Assessments	Number
	Internship Report (Presentation and Oral Exam: if required)	1
	Company Evaluation	1
	Total	100 %
Course Administration	Instructor's office and phone number, office hours, email address: To be announced -Office: 5th Floor, -Phone number: 0 212 395 3626 - Email address: gokmenm@mef.edu.tr Internship Regulations: Engineering Faculty Internship Regulations and Computer Engineering Department regulations. Available on the Blackboard and MEF University website Internship Report Rules: Report should be written in English in the format required by the Faculty of Engineering. Report template available on the Blackboard. Company Evaluation: Student is responsible to bring company evaluation survey. It should be filled out and sealed by the responsible person in the company; and delivered to MEF University in the closed envelope. Academic integrity: All students of MEF University are expected to be honest and comply with academic integrity. Students are expected to do their own work and neither give nor receive unauthorized assistance. Disciplinary action will be taken in case of suspicion. http://3fcampus.mef.edu.tr/uploads/cms/webadmin.mef.edu.tr/4833_2.pdf	

ECTS Student Workload Estimation	Activity	No/Weeks	Hours			Calculation	Explanation
		No/Weeks per Semester (A)	Preparing for the Activity (B)	Spent in the Activity Itself (C)	Activity Requirements (D)		
	Lecture/Flipped Classroom					0	A*(B+C+D)
	Quizzes					0	A*(B+C+D)
	Midterm(s)					0	A*(B+C+D)
	Homework	4	2,5		10	50	A*(B+C+D)
	Final Examination					0	A*(B+C+D)
	Total Workload					50	
	Total Workload/25					2	
	ECTS					2	

PROGRAM CRITERIA

1. Breadth in computer engineering practice, analysis and design with 18 required course, and depth in one or more fields with 4 electives.
2. Knowledge of mathematics, including differential and integral calculus, basic sciences, computer science, and engineering sciences that is necessary for analysis and design of complex electrical and electronic devices, software, and systems containing hardware and software components.

3. Knowledge of probability and statistics, including application to computer engineering; knowledge of advanced mathematics, including differential equations, linear algebra, complex variables, and discrete mathematics.