MECT400 – Summer Practice

Eastern Mediterranean University
Faculty of Engineering

Department: Mechanical Engineering

Program Code: 2A	**Program:** Mechatronics Engineering	**Year/Semester:** 2020-2021 FALL

Course Code:	**Course Title:**	**Credit hours**		
		Lec.	**Tut/Lab**	**Total**
MECT400	Summer Practice	-	-	-

Categorization of Course:
- ☒ Engineering or Area Core
- ☐ Engineering Course offered by other programs
- ☐ Engineering Area Elective
- ☐ Mathematics and Basic Sciences
- ☐ General Education

Categorization of Credits:
- a. Mathematics & Basic Science: -
- b. **Engineering Topics:** **0**
- c. General Education: -
- d. Major Engineering Design: -

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Course Web Page: https://staff.emu.edu.tr/muratozdenefe/en/teaching/meng-mect400

Textbook(s): -

Catalog Description:
This is a period comprising a minimum of 40 days' training to be completed in an industrial organization by all students who are effectively in their junior or senior year. Students should obtain approval of the Summer Practice Committee before commencing training. Following this training, students will be required to write a formal report and present their work to the Summer Practice Committee.
The aim of the training is to give students opportunity to observe real world engineering practices in a firm, to enhance the students' engineering knowledge acquired in class through field experience, to develop the students' job-related skills, to enable students to appreciate interdisciplinary team work, and to allow the students' to explore their career interests.

Prerequisite(s)	MENG364
Type of Course	☒ Required ☐ Selected Elective ☐ Elective

Student Outcomes		
1	an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	☐
2	an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors	☐
3	an ability to communicate effectively with a range of audiences	☒
4	an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts	☒
5	an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	☐
6	an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	☐
7	an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	☒

Course Learning Outcomes		Student Outcomes							Assessment Percentages
		1	2	3	4	5	6	7	
1	Understand the Organizational Structure of a company.			X				X	Supervisor engineer's Asessment : 50% Report and logbook evaluation: 50%
2	Develop work habits and attitudes necessary for job success (technical competence, professional attitude, organization skills etc.)				X				
3	Develop written communication and technical report writing skills.			X					
4	Develop knowledge of contemporary issues.							X	
5	Develop an awareness for the need and applications of standards in the industry.							X	
	Weight of Student Outcomes			**H**	**H**			**H**	

Topics Covered and Class Schedule:	
Week 1-2	Info. meeting, report writing and submission procedure.
Week 3-7	The students will write the report according to the procedure.
Week 8	**Midterm Examination Week**
Week 9	**Midterm Examination Week**
Week 10	Students will submit their reports and other documents to associated faculty for checking and corrections.
Week 11-12	Faculty will supply feedback to the students.
Week 13	Students will present their final work to the associated faculty.
Week 14	Faculty will supply their evaluations to the Summer Practice Committee, where the final decision will be given.
Week 15	**Final Examination Week Starts**

Laboratory Work				
No.	**Experiment Title and Equipment Used**	**CLO**	**SO**	**Percentage**
1				
2				
3				
4				

Important Notes Regarding the Course: University rules and regulations are applied to this course. For details, please see http://mevzuat.emu.edu.tr