

### BSc. program, Biomedical Engineering Department

<b>Course Unit Title</b>	Summer Training I
<b>Course Unit Code</b>	BME200
<b>Type of Course Unit</b>	Compulsory
<b>Level of Course Unit</b>	2 <sup>nd</sup> year BSc program
<b>National Credits</b>	0
<b>Number of ECTS Credits Allocated</b>	12
<b>Theoretical (hour/week)</b>	-
<b>Practice (hour/week)</b>	40
<b>Laboratory (hour/week)</b>	-
<b>Year of Study</b>	2
<b>Semester when the course unit is delivered</b>	4
<b>Course Coordinator</b>	Assist. Prof. Dr. Dilber Uzun Özşahin / Assist. Prof. Dr. Melis Özdenefe
<b>Name of Lecturer (s)</b>	Assist. Prof. Dr. Dilber Uzun Özşahin / Assist. Prof. Dr. Melis Özdenefe
<b>Name of Assistant (s)</b>	-
<b>Mode of Delivery</b>	Working Area (Practice)
<b>Language of Instruction</b>	English
<b>Prerequisites</b>	-
<b>Recommended Optional Program Components</b>	-

<b>Course description:</b> This course is the first of two summer practices that each student is required to complete. The main aim of the course is to give job experience for the students. Provide vision to the student about the practical applications of biomedical engineering knowledge.			
<b>Objectives of the Course:</b> The goal of this course is to familiarize students with the daily work of Biomedical Engineers.			
<b>Learning Outcomes</b>			
At the end of the course the student should be able to		<b>Assessment</b>	
1	Provide vision to the student about the practical applications of biomedical engineering knowledge.	3	
Assessment Methods: 1. Written Exam, 2. Assignment, 3. Project/Report, 4. Presentation, 5. Lab. Work			
<b>Course's Contribution to Program</b>			
		<b>CL</b>	
1	Apply knowledge of mathematics, natural science with relevant to life science and multidisciplinary context of engineering science.	5	
2	Analyse, design and conduct experiments, as well as to analyse and interpret data.	5	
3	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.	5	
4	Ability to work with multi-disciplinary engineering sciences.	4	
5	Control in design work, by using simulation, modelling and test and integration in a problem solving oriented way.	3	
6	Display an understanding of professional and ethical responsibility.	5	
7	Communicate effectively aware of the non-technical effects of engineering.	3	
8	Search technical literature and other information sources.	5	
9	Recognize of the need for, and an ability to engage in life-long learning.	4	
10	Exhibit knowledge of contemporary issues.	4	
11	Use the techniques, skills and modern engineering tools necessary for engineering practice to develop marketable products for the global market.	5	
CL: Contribution Level (1: Very Low, 2: Low, 3: Moderate, 4: High, 5: Very High)			
<b>Course Contents</b>			
<b>Week</b>	<b>Chapter</b>	<b>Topics</b>	<b>Exam</b>
1		Summer Training	
2		Summer Training	
3		Summer Training	
4		Summer Training	

<b>Recommended Sources</b>			
Textbook: None			
<b>Assessment</b>			
Final Report	100 %		
Assessment Criteria Final grades are determined according to the Near East University Academic Regulations for Undergraduate Studies			
Course Policies Attendance to the course is mandatory.			
ECTS allocated based on Student Workload			
<b>Activities</b>	<b>Number</b>	<b>Duration (hour)</b>	<b>Total Workload(hour)</b>
Course duration in class (including Exam weeks)			
Labs and Tutorials	-	-	-
Assignment	-	-	-
Project/Presentation/Report	1	10	10
E-learning activities	-	-	-
Quizzes	-	-	-
Midterm Examination	-	-	-
Final Examination	-	-	-
Self-Study	30 working days	350	350
Total Workload			360
Total Workload/30(h)			12
ECTS Credit of the Course			12