COURSE INFORMATION FORM

	Course Information					
Year of Curriculum	**Course Title**	*Code*	*Semester*	*L+P Hour*	*Credits*	*ECTS*
	Evidence-Based Applications in Prosthetics	5055009	I-II	3+0	3	7

Language of Instruction	Turkish
Course Level	Postgraduate
Department/Program	Department of Physiotherapy and Rehabilitation / Master's Degree with Thesis
Education Type	Formal
Course Type	Elective
Prerequisites	-
Department/Program Coordinator	Asst. Prof. Çağtay MADEN
Instructors	Lecturer Gönül ELPEZE
Assistants	-
Objectives of the Course	It is aimed to analyze and evaluate the studies in the literature on amputation patients, determination of amputation levels, prosthesis design according to the level of amputation and prosthesis biomechanics and physical therapy and rehabilitation and to examine the treatment programs.
Course Content	Partial hand and foot prostheses, prostheses used according to upper and lower extremity amputation levels, static and dynamic adjustments in prostheses and stump-socket compatibility, control mechanisms, myoelectric prostheses and sample applications.
Teaching-Learning Methods and Techniques Used in the Course	Expression Discussion Question & Answer Preparing and / or Presenting a Report Drill & Practice Case Study Problem / Problem Solving Brainstorming
Internship of the Course (If there is)	-

Learning Outcomes
1. Can analyze posture.
2. Can measure muscle strength, shortness, anthropometric measurement.
3. Can make prosthesis measurements.
4. Knows how to determine the appropriate prosthesis.
5. Knows prosthetic biomechanics.

COURSE CONTENT	
Week	**Topics**
1	Introduction and Prosthesis
2	Causes of amputation - Amputation levels
3	Prosthetic Parts of lower limb prostheses
4	Foot prostheses Knee prostheses, Below Knee Amputations and Prostheses
5	Hip prosthesis
6	Prosthetic Parts of upper limb prostheses
7	Upper Extremity Prostheses
8	Midterm Exam, Theoretical
9	Myoelectric prostheses
10	Biomechanical analysis
11	Biomechanical analysis
12	Biomechanical analysis
13	Case applications
14	Case applications
15	Final Exam

RECOMMENDED SOURCES
Course Material, Reletad literature

ASSESSMENT		
IN-TERM STUDIES	**QUANTITY**	**PERCENTAGE**
Mid-terms	1	40
Quizzes		
Homework		
Attendance		
Practice		
Seminar		
Internship of the Course		
Project		
Field Survey		
Workshop		
Laboratory		
Presentation		
Final examination	1	60
Total	2	100
Contribution of Semester Studies to the Success Grade		
Contribution of the Final Exam to the Success Grade		
Total		

ECTS/WORKLOAD TABLE			
Activities	**Quantity**	**Duration (Hour)**	**Total Workload (Hour)**
Course Duration (Including the exam week: 15x Total course hours)	*15*	*3*	*45*

Hours for off-the-classroom study (Pre-study, practice)	*15*	*3*	*45*
Homework	*15*	*3*	*45*
Seminar			
Presentation	*14*	*3*	*42*
Practice			
Laboratory			
Internship of the Course			
Project			
Field Survey			
Workshop			
Others (……)	*1*	*1*	*1*
Mid-terms	*1*	*1*	*1*
Quizzes	2	1	*2*
Homework(s)/Seminar(s)			
Final examination	*1*	*1*	*1*
Total Work Load			*210*
Total Work Load / 30 (h)			*210/30*
ECTS Credit of the Course			*7*

ASSOCIATING THE LEARNING OUTCOMES OF THE COURSE WITH THE PROGRAM OUTCOMES

Course Learning Outcomes	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
CLO1	**4**	**4**	**3**	**3**	**3**	**4**
CLO2	3	3	3	3	3	4
CLO3	3	4	3	3	3	4
CLO4	4	3	3	4	3	5
CLO5	3	3	3	3	4	5

CLO: Course Learning Outcomes PO: Programe Outcomes					
Contribution level	1. Very low	2. Low	3. Medium	4. High	5. Very High