PROSTHETICS AND REHABILITATION

Course Name	**Code**	**Term**	**Theory (hours/week)**	**Application (hours/week)**	**Laboratory (hours/week)**		**ECTS**
Prosthetics and Rehabilitation	**FTR 309**	**3.year/ 1.term Fall**	**3**	**-**	**-**		**2**
Prequisites							
Course language	Turkish						
Course type	Compulsory						
Learning and teaching strategies	Theory,Application						
Instructor (s)							
Course objective(Aim of course)	To acquaint physiotherapy students with prostheses, their indications, applications, necessary modifications and possible complications. To teach physiotherapy students to plan and to apply appropriate amputee rehabilitation programs.						
Learning outcomes	1. 1. Is acquainted with parts of the prostheses and the manufacturing procedure. 2. 2. Chooses the appropriate prostheses for the amputee or the patient with congenital extremity deficiency. 3. 3. Plans and applies the appropriate assessments in accordance with the prosthetic phase. 4. 4. Plans and applies the appropriate rehabilitation program. 5. 5. Checks the fit of the prostheses, does the necessary biomechanical alignment adjustments, analyses the results. 6. 6. Gains an awareness regarding prosthetic use and possible complications. 7. 7. Gains an awareness about recent technology in the field of prosthetic applications and rehabilitation. 8. 8. Develops amputee based problems solving skills.						
References	1. Şener G, Erbahçeci F. Protezler H.Ü. Fizik Tedavi ve Rehabilitasyon YO Yayınları Ankara, 2001.						

Course outline weekly:

Weeks	Topics
1. Week	Introduction to prosthesis and and amputee rehabilitation
2. Week	Partial foot amputations and prostheses
3. Week	Below knee, prosthetic applications, choosing prosthetic components, biomechanical alignment
4. Week	Knee disarticulation, prosthetic applications, biomechanical alignment
5. Week	Hip disarticulation prosthetic applications, biomechanical alignment
6. Week	Gait problems with lower extremity amputee
7. Week	Upper extremity amputation levels, prosthetic applications, choosing prosthetic components, biomechanical alignment
8. Week	Prosthetic applications in congenital limb deficiencies
9. Week	Immediate and temporary prosthetic applications, advanced technological prosthesis
10. Week	Lower extremity amputee rehabilitation, phases, appropriate physiotherapeutic approaches and prosthetic training
11. Week	Lower extremity amputee rehabilitation, phases, appropriate physiotherapeutic approaches and prosthetic training
12. Week	Upper extremity amputee rehabilitation, phases, appropriate physiotherapeutic approaches and prosthetic training
13. Week	Clinical problem solving case studies
14. Week	Clinical problem solving case studies
15. Week	FINAL EXAM

ECTS (Student Work Load Table)

Activities	**Number**	**Duration**	**Total Work Load**
Course Duration (X14)	14	3	42
Laboratory			

Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)			
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	4	4
Final Exam Preparation Time	1	5	5
Total Work Load (hour) / 25(s)	51 / 25 = 2.04		
ECTS	2		

Evaluation System

Mid-Term Studies	**Number**	**Contribution**
Midterm exams	1	%100
Quiz		

Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework’s		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	%100
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications			**Learning outcomes**				
	L.O.1	**L.O. 2**	**L.O.3**	**L.O.4**	**L.O.5**	**L.O.6**	**L.O.7**
1. Sufficient background in basic- clinical medical sciences and physical therapy and rehabilitation discipline; ability to use theoretical and practical skills and knowledge in these fields with analytical thinking	**5**						
2. Ability to determine, define, formulate and solve the factors that affect health; ability to choose and apply evidence based techniques and new methods for this aim.		**5**	**5**	**5**	5	5	5
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.		**5**	**5**	**5**	5	5	5
4. Ability to design multidisciplinary research, keep records, collect appropriate data, analysis and interpret results.							
5. Ability to attain new knowledge, make literature reviews, use medical databases and sources of information devoted to medical- health sciences							
6. To work autonomously and effectively in health team and self confidence to take responsibility							
7. To internalize characteristically development, literate and lifelong learning; quality development,to contribute education and promotion programs in field,to internationalize their professional behavior.							
8. To have professional deontology and ethical awareness							

Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent