



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Physical Therapy Department

P.T347 Prosthetics And Orthotics (Lab) - JNQF Level: 7

First Semester 2023-2024

Course Catalog

1 Credit Hours. This course introduces students to the theoretical and practical rehabilitation aspects of prostheses and orthoses. The role of the physical therapist in handling individuals who use prostheses and orthoses will be discussed. Topics will cover the different conditions that may benefit from prostheses. Different types of prostheses will be presented for both upper and lower extremities.

Teaching Method: On Campus

Text Book

Title	Prosthetics and Orthotics: Lower Limb and Spinal
Author(s)	Ron Seymour
Edition	2nd Edition
Short Name	Ref 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Introduction to Splinting: A Clinical Reasoning and Problem-Solving Approach	Brenda Coppard & Helene Lohman	3rd Edition	

Instructor

Name	Dr. Ala'a Jaber
Office Location	L2 -13
Office Hours	Sun : 12:00 - 14:00 Mon : 10:30 - 11:30 Tue : 12:00 - 14:00 Wed : 10:30 - 11:30
Email	afjaber@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon : 08:30 - 10:30
Room: LAB

Section 2:
Lecture Time: Tue : 08:30 - 10:30
Room: LAB

Section 3:
Lecture Time: Wed : 11:30 - 13:30
Room: LAB

Section 4:
Lecture Time: Mon : 11:30 - 13:30
Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Lab introduction	From Ref 1 , From Ref 2
Week 2	Levels of Amputation	From Ref 1
Week 3	Functional Levels	From Ref 1
Week 4	Amputation assessment	From Ref 1
Week 5	Types of Terminal Devices	From Ref 1 , From Ref 2
Week 6	Wearing Prosthetic Devices	From Ref 1

Week 7	Therapeutic Exercise for individuals with Amputations	From Ref 1
Week 8	Edema	From Ref 1
Weeks 9, 10	Splinting	From Ref 2
Weeks 10, 11	Process of Splint Fabrication	From Ref 2
Weeks 12, 13, 14	Upper and lower Extremity Splints	From Ref 2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
able to define basic terminology related to prosthetics and orthotics. [1PLO1 -K1] [1L7K1]	20%	
Recognize the different parts and components of prosthetics. [1PLO6-S2] [1L7S3]	20%	
perform clinical assessments related to prosthetics. [1PLO6-S2] [1L7S1]	20%	
Prescribe an exercise program for the rehabilitation of individuals with amputations. [1PLO4-K4] [1L7C4]	10%	
Identify and use different tools and materials used for splints fabrication [1PLO4-K4] [1L7C4]	30%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1 -K1	PLO8- C1	PLO9- C2	PLO5- S1	PLO2- K2	PLO3- K3	PLO6- S2	PLO4- K4	PLO10- C3	PLO7- S3	MS_PLO1_K1	MS_PLO2_K2	MS_PLO3_K3	MS_PLO4_S1	MS_PLO5_S2	MS_PLO6_C1
20						40	40								

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S1	L7S3	L7C4
20	20	20	40

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