



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

P.T372 Pt In Surgical Conditions & Burns - JNQF Level: 7

Second Semester 2023-2024

**Course Catalog**

2 Credit Hours. This course will introduce the problems that occur with the different types and depths of burn injuries and the complications that can result from thermal destruction of the skin. Additionally, this course will introduce the problems that occur with different types of reconstructive surgery. Current techniques used in the medical, surgical, and rehabilitation management of the patient who has been burned or had reconstructive surgery will be described.

**Text Book**

<b>Title</b>	Cash's text book of general medical and surgical conditions for physiotherapists
<b>Author(s)</b>	Patricia A. Downie
<b>Edition</b>	5th Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	1997

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Clinical orthopedic rehabilitation	Brent Brotzman and Wilk	2nd Edition	

**Instructor**

Name	<b>Dr. Mikhled Maayah</b>
Office Location	Head of Department Office
Office Hours	
Email	mikhledm@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Sun : 13:30 - 14:30

Room: M4203

**Prerequisites**

Line Number	Course Name	Prerequisite Type
1112340	P.T234 Therapeutic Exercise (Lab)	Prerequisite / Study
1112330	P.T233 Physical Modalities (Lab)	Prerequisite / Study

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction to Integumentary system	From <b>Ref 1</b> , From <b>Ref 2</b>
Weeks 2, 3	Burn wound pathology and extent of burned area	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 4	Secondary complications of burns injury and Burn assessment	From <b>Ref 1</b> , From <b>Ref 2</b>
Weeks 5, 6	Reconstruction post burn injury	From <b>Ref 1</b> , From <b>Ref 2</b>
Weeks 7, 8	General principles of surgical procedures	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 9	Pulmonary physiotherapy	From <b>Ref 1</b>
Week 10	Abdominal surgeries	From <b>Ref 1</b>
Week 11	Breast surgeries	From <b>Ref 1</b>
Week 12	Overview of common orthopedic surgeries	From <b>Ref 2</b>
Week 13	Surgeries of the wrist and hand	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 14	Total knee replacement and total hip replacement and Spinal surgeries	From <b>Ref 2</b>
Week 15	Post-operative management of fractures	From <b>Ref 1</b> , From <b>Ref 2</b>

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe and apply the indications and contraindications related to post-surgery rehabilitation protocols. [1PLO1 -K1] [1L7K1]	20%	

describe and apply the indications and contraindications related to burn rehabilitation protocols. [1CLO4-K4] [1L7C2]	20%	
Develop and apply different physiotherapy interventions after different burn conditions.	20%	
develop and apply post-surgical assessment and evaluation according to the type of burn and the patient's general medical condition.	20%	
Demonstrate proficiency in wound care management techniques appropriate for post-surgery and burn rehabilitation, considering patient-specific factors and treatment protocols.	20%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO1 - K1	CLO2- K2	PLO3- K3	CLO4- K4	PLO5- S1	PLO6-S2	PLO7-S3	PLO8-C1	PLO9-C2	PLO10-C3
20			20						

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7C2
20	20

Policy	
Statement on Professionalism	Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this class. Examples of unprofessional behavior include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.
Cheating	University regulations will be applied on cases of cheating and/or plagiarism.
Attendance and Absences	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes! University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details)
Make-up Exam	Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours.

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