



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

P.T364 Pt In Cardiopulmonary Conditions (Lab) - JNQF Level: 7

Second Semester 2023-2024

**Course Catalog**

1 Credit Hours. Cardiac rehabilitation aims to reverse limitations experienced by patients who have suffered the adverse pathophysiologic and psychological consequences of cardiac events.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Cardiac Rehabilitation, Adult Fitness, and Exercise Testing
<b>Author(s)</b>	Paul S. S. Fardy & Frank G. Yanowitz
<b>Edition</b>	3rd Edition
<b>Short Name</b>	Reference 1
<b>Other Information</b>	

**Instructor**

<b>Name</b>	<b>Prof. Mahmoud Alomari</b>
<b>Office Location</b>	M5L-4#24
<b>Office Hours</b>	
<b>Email</b>	alomari@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Mon : 09:00 - 11:00  
Room: LAB

Section 2:  
Lecture Time: Mon : 11:00 - 13:00  
Room: LAB

Section 3:  
Lecture Time: Wed : 09:00 - 11:00  
Room: LAB

Section 4:  
Lecture Time: Wed : 11:00 - 13:00  
Room: LAB

**Teaching Assistant**

Rasha Elshayib(Sections 1, 2, 3, 4)

**Tentative List of Topics Covered**

<b>Weeks</b>	<b>Topic</b>	<b>References</b>
Week 1	Introduction of lab	
Week 2	Cardiovascular hemodynamic measurements at rest	From <b>Reference 1</b>
Week 3	Cardiovascular hemodynamic measurements during exercise	From <b>Reference 1</b>
Week 4	Stress test	From <b>Reference 1</b>
Week 5	Stress test	From <b>Reference 1</b>
Week 6	ECG	From <b>Reference 1</b>
Week 7	Rehabilitation for cardiac/pulmonary patients	From <b>Reference 1</b>
Week 8	Postural drainage + Percussion + Breathing exercise	From <b>Reference 1</b>
Week 9	CPR	From <b>Reference 1</b>
Week 10	CPR	From <b>Reference 1</b>
Week 11	Pulmonary Function Test and Inhalation therapy	From <b>Reference 1</b>

Week 12	Mechanical ventilation/ABG'S	From <b>Reference 1</b>
Week 13	Review lab	From <b>Reference 1</b>
Week 14	Final exam	From <b>Reference 1</b>

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Know common techniques to evaluate and monitor of physical functions in populations with special needs [1PLO3-K3] [1L7K1]	34%	Daily lab evaluation, Discussion sheet, Lab report, Final exam
Utilize laboratory tests to evaluate patients physical capacity [1PLO6-S2] [1L7S2]	33%	Daily lab evaluation, Discussion sheet, Lab report, Final exam
Utilize tactics to manage patients with cardiopulmonary disorders [1PLO10-C3] [1L7C4]	33%	Daily lab evaluation, Discussion sheet, Lab report, Final exam

Relationship to Program Student Outcomes (Out of 100%)															
PLO1-K1	PLO2-K2	PLO3-K3	PLO4-K4	PLO5-S1	PLO6-S2	PLO7-S3	PLO8-C1	PLO9-C2	PLO10-C3	MS_PLO1_K1	MS_PLO2_K2	MS_PLO3_K3	MS_PLO4_S1	MS_PLO5_S2	MS_PLO6_C1
		34			33				33						

Relationship to NQF Outcomes (Out of 100%)		
L7K1	L7S2	L7C4
34	33	33

Evaluation	
Assessment Tool	Weight
Daily lab evaluation	20%
Discussion sheet	10%
Lab report	20%
Final exam	50%

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. Repeated lack of professional behavior will fail the course. Examples of unprofessional behavior include but are not limited to: missing classes (see attendance policy), tardiness, lack of attention for a speaker, talking to others during lectures, passing food during lectures, leaving a lecture before its completion without prior authorization of the instructor, working on other class material during class, inappropriate dress for labs, and sleeping during class.
Attendance policy	? Students are expected to attend more than 90% of lectures If absence is more than 10% student will be banned from the course after electronic notification from the university through student e-mail. ? Each student is expected to sit in his numbered seat ? Empty seats will be counted as absent ? All absences will be entered electronically into the University site
Communication with instructor	Emails and e-learning is the best way to reach me as I consistently check it. However students still can use the above listed phone numbers.
Cell phones	Please do not use cell phones in class or labs. If you are depended upon for anticipated emergencies please put cell phones on vibration and answer the phone outside the classroom. I WILL KEEP MY CELL PHONE IN MY OFFICE OR ON VIBRATION MODE DURING CLASS TIME. Unfortunately, I have to remove the student from class in case the phone rings.

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