

Course Description

Department: **Department of Medical Rehabilitation Sciences**

1439-1440 H Academic Year – Semester-II

Office: Tel: **017241** Ext: E-mail: **@kku.edu.sa**

Course Description

Course name	Physical Therapy in Cardiopulmonary Disorders
Course number	PTH-302
Credit Hours (teaching units)	3 (2+1)
College	College of Applied Medical Sciences
Targeted Students	LEVEL 5
Pre-requisite	Knowledge in Anatomy & Physiology and therapeutic exercise
Name of Coordinator	Dr Snehil/Dr Basant

Main Textbook

1. Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care. ISBN-13: 978-0840022585 ISBN-10: 0840022581 Edition: 6th by Terry Des Jardins
2. Essentials of Cardiopulmonary Physical Therapy. ISBN-13: 978-1437703818 ISBN-10: 143770381X Edition: 3rd by Ellen Hillegass
3. Principles & Practice of Cardiopulmonary Physical Therapy. Edition 5th by Donna Frownfelter PT DPT MA CCS RRT FCCP (Author), Elizabeth Dean PhD PT (Author).

Mark Distribution

Assessment Tasks for Students During the course

#	Assessment task*	Week Due	Proportion of Total Assessment
1	1 st Continuous Assessment	4 th week	20%
2	2 nd Continuous Assessment	8 th week	20%
3	Discussions Assignments	1wk-10wk	10%
4	Final Practical/Written Exam	16 th week	50%
	Total		100

Distribution of Course Lectures and Practical Classes

Topics to be covered

List of Topics		Contact Hours
1	Applied anatomy	2
2	Applied physiology	2
3	Cardiopulmonary adaptations to exercises	2
4	Exercise testing	2
5	Airway clearance 1	2
6	Airway clearance 2	2
7	Exam 1	
8	Acute care -1	2
9	Acute care -2	2
10	Intensive care unit	2
11	Suctioning technique and guidelines	2
12	Universal Precautions	2
13	Cardiac rehabilitation	2
14	Pulmonary rehabilitation	2
15	Mobilization and Exercise	2
16	Exam 2	
Practical topics		
	Surface anatomy	2
	Relaxed Diaphragmatic breathing	2
	Active cycle of breathing techniques	2
	Autogenic drainage	2
	Breathing pattern	2
	Modified Postural Drainage	2
	Percussion	2
	Pulmonary auscultation	2
	Cardiac rehabilitation	2
	Pulmonary rehabilitation	2
	Universal precautions	2
	PT in thoracic surgery	2

Pulse rate measurement	2
Respiratory rate measurement	2
Blood Pressure measurement	2