



### A brief Course Description

<b>Course Name</b>	<b>Psychosocial Aspects of Health and Disease</b>		
<b>Course Code</b>	<b>HPT 334</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	4th \ level 7		
<b>Credit Hours</b>	2		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial:</b>	<b>Training:</b>
<b>Language</b>	English		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	None		
<b>Co-Requests:</b>	None		
<b>Course Objectives:</b>	The main purpose of this course is to enhance students understanding regarding emotional reactions to disability, and psychosocial aspects of disability as they relate to patient-physical therapist interaction and other healthcare providers.		



### A brief Course Description

<b>Course Name</b>	<b>Neonatal and Pediatrics Respiratory Care</b>		
<b>Course Code</b>	<b>RESP 404</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	4th \ level 7		
<b>Credit Hours</b>	3		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial: 2</b>	<b>Training:</b>
<b>Language</b>	<b>English</b>		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	<b>None</b>		
<b>Co-Requests:</b>	<b>None</b>		
<b>Course Objectives:</b>	The main purpose of this course is to present normal prenatal development followed by an introduction of the proper assessment of the neonate. Additionally, this course aims to give the student an understanding of perinatal lung diseases and interventions with emphasis on the management of cardiopulmonary disease and the respiratory care procedures that are unique to the pediatric population.		



### A brief Course Description

Course Name	<b>Advanced Mechanical Ventilation</b>		
Course Code	<b>RESP 442</b>		
College	College of Health and Rehabilitation Sciences		
Department/ Program	Rehabilitation Sciences \ Respiratory Care		
Year / Level:	4 <sup>th</sup> \ level 7		
Credit Hours	3		
Contact Hours	Lecture: 1	Lab/Tutorial:	Training: 4
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RESP 341		
Co-Requests:	None		
Course Objectives:	<b>This course is aimed to</b> identify the indications, contraindications, and complications as well as proper application of advance modes of Mechanical Ventilation to manage patients with variety of cardio-pulmonary disorders		



### A brief Course Description

<b>Course Name</b>	<b>Pulmonary Rehabilitation</b>		
<b>Course Code</b>	<b>RESP 405</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	4 <sup>th</sup> \ level 7		
<b>Credit Hours</b>	2		
<b>Contact Hours</b>	<b>Lecture: 1</b>	<b>Lab/Tutorial: 2</b>	<b>Training:</b>
<b>Language</b>	<b>English</b>		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	<b>None</b>		
<b>Co-Requests:</b>	<b>None</b>		
<b>Course Objectives:</b>	By the end of this course the student should be able to understand the role and benefits of pulmonary rehabilitation, describe the essential components of a comprehensive pulmonary rehabilitation program. In addition, the student should be able to describe how evidence-based outcomes can be applied to pulmonary rehabilitation programs.		



### A brief Course Description

<b>Course Name</b>	<b>Advanced Clinical Practice in Respiratory Care (1)</b>		
<b>Course Code</b>	<b>RESP 422</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	4 <sup>th</sup> \ level 7		
<b>Credit Hours</b>	3		
<b>Contact Hours</b>	<b>Lecture:</b>	<b>Lab/Tutorial:</b>	<b>Training: 6</b>
<b>Language</b>	English		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	RESP 321		
<b>Co-Requests:</b>	None		
<b>Course Objectives:</b>	The main purpose of the course is to further develop the student's critical thinking skills as well as prepare them mentally, psychologically and emotionally to provide respiratory care to critically ill patients in need of mechanical ventilation and other advanced respiratory care.		



### A brief Course Description

Course Name	<b>Research Methodology</b>		
Course Code	<b>RESP 480</b>		
College	College of Health and Rehabilitation Sciences		
Department/ Program	Rehabilitation Sciences \ Respiratory Care		
Year / Level:	4 <sup>th</sup> \ level 7		
Credit Hours	3		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training:
Language	English		
Track	Program Requirement		
Pre-requisites Course:	HRS 116		
Co-Requests:	None		
Course Objectives:	<b>This course aim to provide students with the ability to</b> <ul style="list-style-type: none"><li>• Understand basics of medical microbiology and microbial cell structures.</li><li>• Categorizes various pathogenic human bacteria, viruses and fungi.</li><li>• Describes the principles and pathogenesis of diseases caused by microorganisms and the set methods to control them.</li></ul>		