



### A brief Course Description

<b>Course Name</b>	<b>Microbiology</b>		
<b>Course Code</b>	<b>EPI 220</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	2 <sup>nd</sup> \ level 3		
<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>	None		
<b>Co-Requests:</b>	None		
<b>Course Objectives:</b>	<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>		



### A brief Course Description

<b>Course Name</b>	<b>Clinical Biochemistry</b>		
<b>Course Code</b>	<b>Chem-353</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	2 <sup>nd</sup> \ level 3		
<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>	<p>By the end of this course, the students should be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the importance and the role of clinical biochemistry in the human health.</li> <li>2. To compare and contrast the basic differences between metabolic abnormalities of carbohydrate, lipid and proteins.</li> <li>3. Explanation of the basic methodologies/specific tests employed.</li> <li>4. Describe and identify the main characteristics of diagnosis, screening and prognosis of disease.</li> <li>5. Interpretation of various laboratory test results in terms of underlying pathophysiology or disease present.</li> </ol>		



### A brief Course Description

<b>Course Name</b>	<b>Human Anatomy and Physiology</b>		
<b>Course Code</b>	<b>HRS 111</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	2 <sup>nd</sup> \ level 3		
<b>Credit Hours</b>	4		
<b>Contact Hours</b>	<b>Lecture: 3</b>	<b>Lab/Tutorial: 2</b>	<b>Training:</b>
<b>Language</b>	<b>English</b>		
<b>Track</b>	College Requirement		
<b>Pre-requisites Course:</b>	<b>None</b>		
<b>Co-Requests:</b>	<b>None</b>		
<b>Course Objectives:</b>	<p><b>This course aims to provide students with the ability to :</b></p> <ul style="list-style-type: none"> <li>• Understand the organization of the human body and how the body works.</li> <li>• Identify the organs of the body and understand their structure, location, function and how they interact with each other to maintain internal homeostasis.</li> <li>• Understand different body functions and how they help the body to cope with different situations (exercise, relaxation, disease, injury, etc.).</li> <li>• Develop good learning habits, cognitive and practical skills.</li> </ul>		



### A brief Course Description

<b>Course Name</b>	<b>Introduction to Respiratory Care</b>		
<b>Course Code</b>	<b>RESP 200</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	2 <sup>nd</sup> \ level 3		
<b>Credit Hours</b>	2		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial:</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>	Familiarize Students with terminology and procedures utilized within the discipline and enable to read and understand technical language relating to Respiratory Care.		



### A brief Course Description

<b>Course Name</b>	<b>Medical Gases and Aerosol Therapy</b>		
<b>Course Code</b>	<b>RESP 201</b>		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Rehabilitation Sciences \ Respiratory Care		
<b>Year / Level:</b>	2 <sup>nd</sup> \ level 3		
<b>Credit Hours</b>	3		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial: 2</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 objective of this course is to: <ul style="list-style-type: none"><li>● Learn the proper use of medical gases and how to store and deliver different medical gases to patients</li><li>● Learn the need and proper use of bland aerosol, humidity, and care for medication delivery devices in aerosol form.</li></ul>		