

Course Title:	Respiratory System Block
Course Code:	RESP312
Program:	Bachelor of Medicine and Bachelor of Surgery (MBBS)
Department:	Basic Medical Science
College:	College of Medicine
Institution:	AlMaarefa University

Course Identification

1. Credit hours: 6 (4+2)								
2. Course type								
a.	University	<input type="checkbox"/>	College	<input checked="" type="checkbox"/>	Department	<input type="checkbox"/>	Others	<input type="checkbox"/>
b.	Required	<input checked="" type="checkbox"/>	Elective	<input type="checkbox"/>				
3. Level/year at which this course is offered:						Year 3- Level 5		
4. Pre-requisites for this course (if any):						ANAT214 – PHSL215 – PATH216 BLOCKS		
5. Co-requisites for this course (if any): None								

Course Objectives

1. Course Description The course qualifies students to understand of the structure, normal function and pathologic dysfunction of the respiratory system and to develop the skills necessary to perform a general lung examination.
2. Course Main Objective: . By the end of the course, each student should be able to: <ul style="list-style-type: none"> Recall the anatomical structure and histological features of the respiratory tract and muscles of respiration. Describe the developmental formation of the respiratory tract & related congenital anomalies. Explain the main physiological & biochemical aspects of breathing & respiration with focusing on mechanics & control of breathing. Recognize the physiological & biochemical mechanisms concerning acid-base balance & respiratory type of its disorders. State the mechanisms of the cellular respiratory chain & its role in generating cellular energy. Verify the concepts of pulmonary ventilation & gas exchange & transport system Recognize the various infectious microbes & viruses that can affect the respiratory system with their impact on pathological features with special focus on pneumonia & tuberculosis. Recognize the main pathological aspects concerning different common respiratory diseases including chronic obstructive pulmonary diseases (COPDs) & lung tumors.

- Recall the medications used to control upper respiratory tract diseases symptoms