

**Respiratory; Week 1, Themes: Anatomy of the lungs, Airways, Airflow, Airflow limitation, asthma, and allergies**

TIME	Sun 23/03/2025	Mon 24/03/2025	Tue 25/03/2025	Wed 26/03/2025	Thu 27/03/2025	
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	
09:00 – 09:50		<b>Multidisciplinary, PBL</b> PBL 1: Exercise-induced asthma attack in a 10-year-old boy with food allergies (09:00 - 10:00) ID#370		<b>Microbiology, Lecture</b> Basic Principles of Allergen Sensitization and Hypersensitivity (09:00 - 09:50) ID#291		<b>Microbiology, Lecture</b> Common Indoor and Outdoor Allergens (09:00 - 09:50) ID#404
09:50 – 10:10		Coffee Break		<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#357	Coffee Break	Coffee Break
10:10 – 11:00		<b>Anatomy, Lecture</b> Anatomy of the Nasal Cavity and Paranasal Sinuses (10:10 - 11:00) ID#398			<b>Anatomy, Lecture</b> The functional anatomy of the thoracic wall and respiratory muscles (10:10 - 11:00) ID#408	<b>Multidisciplinary, PBL</b> PBL 2: Exercise-induced asthma attack in a 10-year-old boy with food allergies (10:30 - 12:20) ID#369
11:10 – 12:00	<b>Anatomy, Lecture</b> Anatomy of the plurae and lungs (11:10 - 12:00) ID#257	<b>Microbiology, Lecture</b> Principles of Management and diagnostic tests used in allergic diseases (11:10 - 12:00) ID#405				
12:00 – 01:00	<b>Cardiovascular Module Assessment</b> 11:30-02:00 pm	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
13:00 – 13:50		<b>Anatomy, Lecture</b> Histology of the tracheobronchial tree and the lungs (13:00 - 13:50) ID#297	<b>Physiology, Lecture</b> Principles of Airflow Limitation and Airway Resistance Versus Compliance (13:00 - 13:50) ID#286	<b>Anatomy, Lab Practical</b> Anatomy of Nasal cavity and paranasal sinuses (13:00 - 14:50) ID#252	<b>Biochemistry, Lecture</b> Biosynthesis and Properties of Surfactants (13:00 - 13:50) ID#320	
14:00 – 14:50	Self-Directed Learning	<b>Physiology, Lecture</b> Mechanics of inspiration and expiration (14:00 - 14:50) ID#285	<b>Biochemistry, Lecture</b> Mediators of Inflammation in airways (14:00 - 14:50) ID#219		Self-Directed Learning	
15:00 – 15:50		Self-Directed Learning	Self-Directed Learning	Self-Directed Learning		

Learning Topics:

WK1: Pharmacology, Role of Antihistamines in Treatment of Allergic Diseases, ID#403

WK1: Epidemiology/Prevention, Epidemiology of Asthma and COPD, ID#36

**Note: All lectures will be held in LT 1-41, unless otherwise specified**

## Respiratory; Week 2

TIME	Sun 30/03/2025	Mon 31/03/2025	Tue 01/04/2025	Wed 02/04/2025	Thu 03/04/2025
08:00 – 08:50	<i>Eid Holidays</i>	<i>Eid Holidays</i>	<i>Eid Holidays</i>	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50					
09:50 – 10:10					
10:10 – 11:00					
11:10 – 12:00					
12:00 – 01:00					
13:00 – 13:50					
14:00 – 14:50					
15:00 – 15:50					

## Respiratory; Week 3, Ventilation, V/Q ratio, gas diffusion, obstructive lung diseases

TIME	Sun 06/04/2025	Mon 07/04/2025	Tue 08/04/2025	Wed 09/04/2025	Thu 10/04/2025
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50	<b>Multidisciplinary, PBL</b> PBL 1: My chest is tight (08:30 - 10:00) ID#371	<b>Clinical Medicine, Lecture</b> Clinical approach to obstructive airway diseases (09:00 - 09:50) ID#359	<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#933	<b>Physiology, Lecture</b> Principles of Gas Diffusion Across Alveoli Capillary Membrane (09:00 - 09:50) ID#304	<b>Physiology, Lecture</b> Pulmonary function tests (09:00 - 09:50) ID#310
09:50 – 10:10		Coffee Break		Coffee Break	Coffee Break
10:10 – 11:00	<b>Physiology, Lecture</b> Pulmonary and Bronchial Circulation (10:10 - 11:00) ID#249	<b>Pathology, Lecture</b> Pathology of Chronic Bronchitis and Emphysema (10:10 - 11:00) ID#295		<b>Pharmacology, Lecture</b> Pharmacology of Bronchodilators and anti-inflammatory medications (10:10 - 11:00) ID#288	<b>Multidisciplinary, PBL</b> PBL 2: My chest is tight (10:30 - 12:20) ID#372
11:10 – 12:00	<b>Physiology, Lecture</b> Alveolar Ventilation and ventilation / perfusion ratio (11:10 - 12:00) ID#296	<b>Radiology, Lecture</b> TS: Demonstration of Normal Chest Radiographs and Common Abnormalities (11:10 - 12:00) ID#411		<b>Biochemistry, Seminar</b> TS: Interaction between smoking and elastase and alfa one anti trypsin (11:10 - 12:00) ID#303 <b>(LT 1-41, SR 2,3,4,5)</b>	
12:00 – 01:00	Lunch Break	Lunch Break		Lunch Break	
13:00 – 13:50	<b>Microbiology, Lecture</b> TS: Microbial etiology of chronic bronchitis and bronchiectasis (13:00 - 13:50) ID#342	<b>Anatomy, Lab Practical</b> Anatomy of the Thoracic wall (13:00 - 14:50) ID#410	<b>Pathology, Lab Practical</b> TS: Pathology of Chronic Bronchitis and Emphysema (13:00 - 14:50) ID#300 <b>(MDL 1,2,5,6,7, LT 1-41, SR 2,3)</b>	Self-Directed Learning	
14:00 – 14:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning		
15:00 – 15:50					

Learning Topics:

WK3: **Epidemiology/Prevention, Epidemiology and Prevention of Smoking, ID#37**

**Note: All lectures will be held in LT 1-41, unless otherwise specified**

## Respiratory; Week 4, Control of breathing, sleep apnea, hypoxemia, and hypoxia

TIME	Sun 13/04/2025	Mon 14/04/2025	Tue 15/04/2025	Wed 16/04/2025	Thu 17/04/2025
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50	<b>Multidisciplinary, PBL</b> PBL 1: Sleep apnea (08:30 - 10:00) ID#373	<b>Pathology, Lecture</b> Pathogenesis of Interstitial Lung Diseases (09:00 - 09:50) ID#322	<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#930	<b>Pathology, Lecture</b> Molecular Genetics of cystic fibrosis (09:00 - 09:50) ID#277	<b>Pathology, Lecture</b> Molecular Genetics of Primary Ciliary Dyskinesia (09:00 - 09:50) ID#267
09:50 – 10:10		Coffee Break		Coffee Break	Coffee Break
10:10 – 11:00	<b>Anatomy, Lecture</b> Anatomy of the Larynx (10:10 - 11:00) ID#283	<b>Physiology, Lecture</b> Mechanism of sleep apnea (10:10 - 11:00) ID#991		<b>Clinical Medicine, Lecture</b> Clinical approach to ventilatory and hypoxemic disorders (10:10 - 11:00) ID#307	<b>Multidisciplinary, PBL</b> PBL 2: Sleep apnea (10:30 - 12:20) ID#374
11:10 – 12:00	<b>Physiology, Lecture</b> Control of Breathing (11:10 - 12:00) ID#313	<b>Biochemistry, Lecture</b> Structure of Hemoglobin, and Its Role in Oxygen Transport (11:10 - 12:00) ID#309	<b>Physiology, Lecture</b> Pathophysiology of Hypoxemia (11:10 - 12:00) ID#926		
12:00 – 01:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Self-Directed Learning
13:00 – 13:50	<b>Physiology, Lab Practical</b> Assessment of lung volumes, capacities and air flow (13:00 - 15:50) ID#281 <b>(MDL 1,2,5,6,7, LT 1-41)</b>	<b>Anatomy, Lab Practical</b> Anatomy and Histology of the tracheobronchial tree and the lungs (13:00 - 14:50) ID#413	<b>Pathology, Lab Practical</b> TS: Pathological/radiological correlation of interstitial lung disease (Pathology) (13:00 - 14:50) ID#324 <b>(MDL 1,2,5,6,7, LT 1-41, SR 2,3)</b>	<b>Physiology, Lab Practical</b> Determination of lung volumes and capacities by body plethysmography (13:00 - 15:50) ID#282 <b>(LT 1-41 &amp; Physiology Dept.)</b>	<b>Physiology, Lab Practical</b> Diffusing capacity of the respiratory membrane (13:00 - 15:50) ID#243 <b>(LT 1-41 &amp; Physiology Dept.)</b>
14:00 – 14:50					
15:00 – 15:50		Self-Directed Learning	Self-Directed Learning		

Learning Topics:

WK4: **Physiology, Physiology: Cellular responses to hypoxia, ID#335**

**Note: All lectures will be held in LT 1-41, unless otherwise specified**

**Respiratory; Week 5, Resp tract infections**

TIME	Sun 20/04/2025	Mon 21/04/2025	Tue 22/04/2025	Wed 23/04/2025	Thu 24/04/2025
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50	<b>Multidisciplinary, PBL</b> PBL 1: Pneumonia (08:30 - 10:00) ID#375	<b>Microbiology, Seminar</b> TS: Microbial Etiology of Pneumonia and Lower Respiratory Tract Infections (09:00 - 09:50) ID#279	<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#358	<b>Surgery, Lecture</b> Pneumonia as a critical illness (09:00 - 09:50) ID#1919	<b>Pharmacology, Lecture</b> Pharmacology of antibiotics and antiviral drugs used for lower respiratory tract infections (09:00 - 09:50) ID#7629
09:50 – 10:10		Coffee Break		Coffee Break	Coffee Break
10:10 – 11:00		<b>Physiology, Lecture</b> Mechanism and Etiology of Cough (10:10 - 11:00) ID#255		<b>Microbiology, Lecture</b> SARS-CoV-2 virus infection (10:10 - 11:00) ID#931	<b>Microbiology, Seminar</b> TS: Clinical Presentation and Etiologies of Upper Respiratory Tract Infections (10:10 - 11:00) ID#254
11:10 – 12:00	<b>Microbiology, Lecture</b> The microbiology of viral respiratory tract infections (11:10 - 12:00) ID#7612	<b>Pathology, Lecture</b> Pathology of Lower Respiratory Tract Infections (11:10 - 12:00) ID#273	<b>Microbiology, Lecture</b> Covid-19 pneumonia: immune-mediated damage of the lungs (11:10 - 12:00) ID#1076		
12:00 – 01:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00 – 13:50	<b>Physiology, Seminar</b> Arterial blood gases measurements and interpretation of the data (13:00 - 14:50) ID#312 <b>(LT 1-41, SR 2,3,4,5,7)</b>	<b>Anatomy, Lab Practical</b> Anatomy of Larynx (13:00 - 14:50) ID#289	<b>Pathology, Lab Practical</b> TS: Pathology of Lower Respiratory Tract Infections (13:00 - 14:50) ID#280 <b>(MDL 1,2,5,6,7, LT 1-41, SR 2,3)</b>	<b>Physiology, Seminar</b> Interpretation of pulmonary function tests results (13:00 - 14:50) ID#316 <b>(LT 1-41, LT 1-42, SR 6,8)</b>	<b>Anatomy, Lecture</b> Development of the Lower Respiratory Tract (13:00 - 13:50) ID#395
14:00 – 14:50					Self-Directed Learning
15:00 – 15:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning

**Learning Topics:**
**WK5: Pharmacology, Medications Used for the treatment of Common Cold and antitussives, ID#396**
**WK5: Microbiology, Epidemiology of Community Acquired Pneumonia and health care facility associated Pneumonia., ID#400**
**WK5: Microbiology, Covid -19 vaccines and immunization, ID#256**
**Note: All lectures will be held in LT 1-41, unless otherwise specified**

**Respiratory; Week 6, Theme: TB**

TIME	Sun 27/04/2025	Mon 28/04/2025	Tue 29/04/2025	Wed 30/04/2025	Thu 01/05/2025
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50	<b>Multidisciplinary, PBL</b> PBL 1: I am coughing for two months (08:30 - 10:00) ID#379	<b>Radiology, Lecture</b> Radiological findings in pulmonary TB, ILD and lung cancer (09:00 - 09:50) ID#7614 (09:00 - 09:50) ID#7614	<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#978	<b>Microbiology, Seminar</b> Laboratory Diagnosis of Tuberculosis (09:00 - 09:50) ID#331	<b>Pharmacology, Lecture</b> Treatment of Infections caused by Mycobacteria (09:00 - 09:50) ID#332
09:50 – 10:10		Coffee Break		Coffee Break	Coffee Break
10:10 – 11:00	<b>Microbiology, Lecture</b> Pathogenesis, resistance and Transmission of TB (10:10 - 11:00) ID#423	<b>Microbiology, Lecture</b> Principles of Secretory Immunity in the Respiratory Tract (10:10 - 11:00) ID#246		<b>Nuclear Medicine, Lecture</b> Principles of Nuclear Medicine Imaging in the Investigation of Respiratory Diseases (11:10 - 12:00) ID#7631	<b>Multidisciplinary, PBL</b> PBL 2: I am coughing for two months (10:30 - 12:20) ID#380
11:10 – 12:00	<b>Ethics/Professionalism, Lecture</b> TS: Framework for Ethical Clinical Decision-Making (11:10 - 12:00) ID#965	<b>Pathology, Lecture</b> Pathology of Primary and Secondary Tuberculosis (11:10 - 12:00) ID#330			
12:00 – 01:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
13:00 – 13:50	<b>Ethics/Professionalism, Seminar</b> TS: Hierarchy and the Dynamics of Rank: Questioning Authority (13:00 - 13:50) ID#966	<b>Microbiology, Lecture</b> TS: Principles of Vaccination Programs for Children and Adults (13:00 - 13:50) ID#393	Self-Directed Learning	<b>Pathology, Lab Practical</b> TS: Pathology of TB (13:00 - 14:50) ID#422 (MDL 1,2,5,6,7, LT 1-41, SR 4,5)	<b>Surgery, Lecture</b> Respiratory functions in a critically ill patient (13:00 - 13:50) ID#960
14:00 – 14:50	Self-Directed Learning	Self-Directed Learning		Self-Directed Learning	Self-Directed Learning
15:00 – 15:50					

Learning Topics:

**WK6: Epidemiology/Prevention, Epidemiology of Pulmonary Tuberculosis, ID#42**
**Note: All lectures will be held in LT 1-41, unless otherwise specified**

**Respiratory; Week 7, Themes ILD, Lung cancer**

TIME	Sun 04/05/2025	Mon 05/05/2025	Tue 06/05/2025	Wed 07/05/2025	Thu 08/05/2025
08:00 – 08:50	Self-Directed Learning	Self-Directed Learning	<b>Clinical Skills, Small Group</b> Clinical skills (08:30 - 12:00) ID#927	Self-Directed Learning	Self-Directed Learning
09:00 – 09:50	<b>Microbiology, Lecture</b> Immunological causes of diffuse lung diseases (09:00 - 09:50) ID#321	<b>Pathology, Lecture</b> Pathology of lung cancer (09:00 - 09:50) ID#339			
09:50 – 10:10	Coffee Break	Coffee Break		Self-Directed Learning	Self-Directed Learning
10:10 – 11:00	<b>Clinical Medicine, Lecture</b> An approach to diagnosis in patients with suspected lung cancer (10:10 - 11:00) ID#435	<b>Clinical Medicine, Lecture</b> The principles of management of interstitial lung diseases and diagnosis tests used for the evaluation (10:10 - 11:00) ID#416			
11:10 – 12:00	<b>Physiology, Lecture</b> Cardiopulmonary exercise testing (11:10 - 12:00) ID#253	<b>Biochemistry, Lecture</b> Environmental Carcinogens and Cell Transformation in Cancer (11:10 - 12:00) ID#336			
12:00 – 01:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00 – 13:50	<b>Clinical Medicine, Lecture</b> Clinical approach to restrictive lung diseases (13:00 - 13:50) ID#327	<b>Physiology, Lab Practical</b> Cardiopulmonary exercise testing. (Same class on Sunday from 1-3:50 for other groups) (13:00 - 15:50) ID#261 (1/2 of the batch) <b>(LT 1-41 &amp; Physiology Dept.)</b>	<b>Pathology, Lab Practical</b> TS: Pathology of lung cancer (13:00 - 14:50) ID#429 <b>(MDL 1,2,5,6,7, LT 1-41, SR 2,3)</b>	Self-Directed Learning	Self-Directed Learning
14:00 – 14:50	<b>Physiology, Lab Practical</b> Cardiopulmonary exercise testing. (Same class on Sunday from 1-3:50 for other groups) (14:00 - 15:50) ID#261 (1/2 of the batch)		Self-Directed Learning		
15:00 – 15:50	<b>(LT 1-41 &amp; Physiology Dept.)</b>				

Learning Topics:

**WK7: Clinical Medicine, Common Causes of Pleuritic Chest Pain, ID#401**
**Assessment -Respiratory Module will be on Sunday,11<sup>th</sup> May 2025**
**Note: All lectures will be held in LT 1-41, unless otherwise specified**