

RESPIRATORY-1 MODULE

(AS PER UHS INTEGRATED CURRICULUM)

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STUDY GUIDE DEVELOPMENT COMMITTEE

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INTRODUCTION

WHAT IS A STUDY GUIDE?

It is an aid to:

- Inform students how the academic program for each module in a block-wise manner is organized.
- Help students organize and manage their studies throughout the module
- Guide students on assessment methods, rules and regulations

THE STUDY GUIDE:

- Communicates information on organization and management of the module. This will help the student to contact the right person in case of any difficulty.
- Defines the learning objectives which are expected to be achieved at the end of the module.
- Identifies the learning strategies such as lectures, small group teachings, clinical skills, practical, tutorial, case based learning and problem-based learning that will be implemented to achieve the module objectives.
- Provides a list of learning resources such as book references with page numbers, computer assisted learning programs, videos, web- links, and journals for students to consult in order to maximize their learning.
- Provides information on the assessment methods for formative (module exams) and summative assessment (block exams) of the module and Block examinations.
- Highlights the criteria for the student's overall performance.
- Focuses on information pertaining to examination policy, rules and regulations of Avicenna Medical College and the University of Health Sciences (UHS).

CURRICULUM FRAMEWORK

Students will experience an integrated curriculum for MBBS as provided by the UHS.

Integrated curriculum comprises of system-based modules such as foundation, H&L etc in the Blocks, which links basic science knowledge to clinical problems. Integrated teaching means that subjects are presented as a meaningful whole. Students are able to have better understanding of basic sciences when they repeatedly learn in relation to clinical examples.

Case-based discussions, problem-based learning, computer-based assignments, early exposure to clinics, wards, and skills acquisition in skills lab and physiotherapy department are characteristics of integrated teaching program

MODULE RATIONALE

The diseases related to respiratory system are on the rise not only in developing countries but also in developed countries. The infant mortality rate in Pakistan is highest in Southeast Asia and one of the important reasons is common respiratory infections in children. With the world suffering from COVID-19 not only physically but also mentally, it is very important for medical students to study in detail the structures, functions, prevention, epidemiology, genetic basis of diseases and their management. The respiratory system is responsible for bringing oxygen into the body and removing carbon dioxide. It is made up of several organs and structures, including the nose, pharynx, larynx, trachea, bronchi, lungs and diaphragm.



MODULE OUTCOMES

At the end of this module the students will be able to:

- Apply basic sciences knowledge to understand the causes of common respiratory problems.
- Explain the pathogenesis of respiratory diseases.
- Enlist the main investigations relevant to respiratory disorders.
- Recognize risk factors and preventive measures of main respiratory diseases.

THEMES

- Rib cage
- Thoracic vertebrae
- Upper respiratory system
- Lower Respiratory system

CLINICAL RELEVANCE

- Acute Respiratory Distress Syndrome
- Bronchial Asthma
- Tuberculosis
- Pneumonia

LEARNING METHODOLOGIES

The following teaching/ learning methods are used to promote better understanding:

1. Integrated Didactic Lectures
2. Case based discussions- tutorials in small groups
3. Practicals
4. Integrated clinical seminar
5. Clinical Skills sessions and log books in hospital/clinical visits

6. E-Learning on Learning management system
7. Self-Directed Study
8. Student presentations
9. Portfolio

Interactive lectures: In large group, the lecturer introduces a topic or common clinical conditions and explains the underlying phenomena through questions, pictures, videos of patients' interviews, exercises, etc. Students are actively involved in the learning process.

Hospital visits: In small groups, students observe patients with signs and symptoms in hospital or clinical settings. This helps students to relate knowledge of basic and clinical sciences of the relevant module.

Small group discussion (SGD): This format helps students to clarify concepts acquire skills or attitudes. Sessions are structured with the help of specific exercises such as patient case, interviews or discussion topics. Students exchange opinions and apply knowledge gained from lectures, tutorials and self-study. The facilitator role is to ask probing questions, summarize, or re phrase to help clarify concepts.

Team-based learning: A small group discussion format where learning is focused around a series of questions based on a clinical scenario. Students' discuss and answer the questions applying relevant knowledge gained in clinical and basic health sciences during the module.

a) **Preparation before class:** Students must complete preparatory materials before a class or the start of the module. Materials may be text, visual or other, and set at a level that is appropriate to the students and the course.

b) **In-class Readiness Assurance Testing:** Students complete an individual readiness assurance test (IRAT), consisting of 5 to 20 multiple choice questions. After submitting their individual answers, and they take the same test, the team RAT (TRAT), with their

team. All members of each team share the same TRAT score, and both IRAT and TRAT scores count toward the students' grades.

c) **Reflective Writing:** Students will write reflective essays for the activities and tasks of the Professionalism, Ethics, Research and Leadership (PERLs) programme for each module and block.

d) The students will develop a Portfolio of the PERLs activities and tasks as assignments and reflective essay

e) **Instructor Feedback**: The instructor reviews material from the RAT that seems to be difficult for students.

f) **In-class application focused exercise:** The remainder of the session is taken up with exercises that help students learn how to apply and extend the knowledge that they have pre-learned and tested. Teams are given an appropriate problem or challenge, and must arrive at a consensus to choose a "best" solution out of options provided. Teams then display their answer choice, and the educator facilitates a classroom discussion between teams to explore the topic and the possible answers to the problem.

Practical: Basic science practicals related to anatomy, biochemistry, pathology, pharmacology and physiology are scheduled for student learning.

Clinical skills session: Clinical Skills relevant to respective module are observed and practiced where applicable in hospital settings, clinical skills laboratory or Department of Physiotherapy.

Self-directed study: Students' assume responsibilities of their own learning through individual study, sharing and discussing with peers, seeking information from Learning

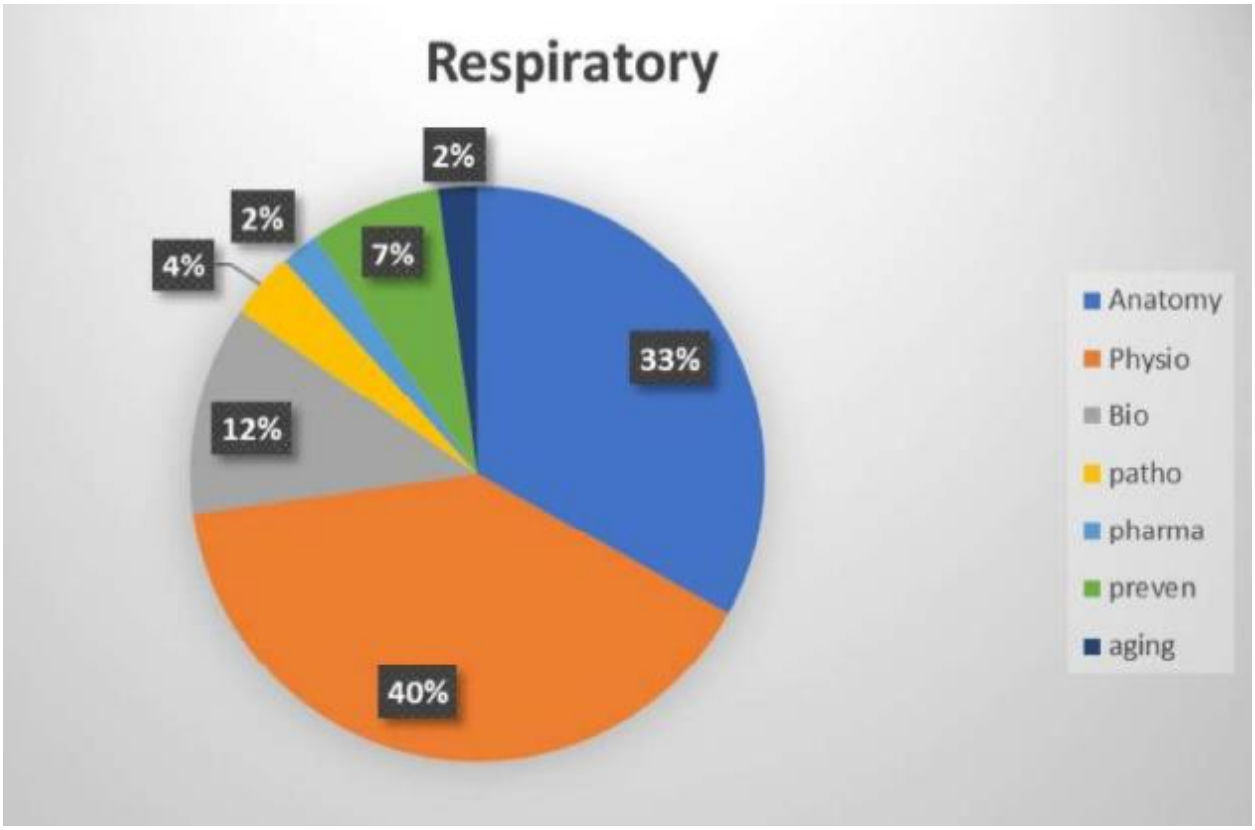
Resource Center, teachers and resource persons within and outside the college. Students can utilize the time within the college scheduled hours of self-study.

E-learning: E-Learning is a strategy by which learning occurs through the utilization of electronic media, typically the Internet. The basic aspects of medical professionalism and ethics will be addressed through an e-learning course.

Seminar: A seminar in medical education is an educational activity that is designed to provide a platform for discussion, debate, and exchange of ideas among participants.

INTEGRATION OF DISCIPLINES IN RESPIRATORY-1 MODULES

MODULE WEEKS	**4**	**TOTAL HOURS**	**136**
Anatomy	43	Physiology	52
Biochemistry	36	Pathology	8
Pharmacology	7	Behavioral sciences	1
Community medicine	7	Aging	3



CURRICULUM OF INDIVIDUAL SUBJECTS

ANATOMY

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty member	References
1	Re-A-001/L1	upper Respiratory Tract	Describe the anatomical features and neurovascular supply of nasal cavity	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 956-959 ,Snell anatomy ed. 8th pg No. 80
2	Re-A-001/L2	upper Respiratory Tract	Describe the anatomical features and neurovascular supply of pharynx	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 1032-1038,Snell anatomy ed. 8th pg No. 95
3	Re-A-001/L3	upper Respiratory Tract	Describe the anatomical features and neurovascular supply of larynx	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 1023-1030 ,Snell anatomy ed. 8th pg No. 99
4	Re-A-002	Trachea	Describe the anatomical features of the Trachea with its extent, relations, neurovascular supply and lymphatics.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 1030 ,Snell anatomy ed. 8th pg No. 87-88
5	Re-A-003	Thoracic Cavity	Give the boundaries of thoracic cavity, superior and inferior thoracic apertures and list the structures contained/ traversing them.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 78-79 ,Snell anatomy ed. 8th pg No. 81-82
6	Re-A-004/L1	Rib Cage	Identify and differentiate the typical from atypical ribs,Describe the anatomical features of ribs andgive their attachments	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 74-76 ,Snell anatomy ed. 8th pg No. 47-50
7	Re-A-004/L2	Rib Cage	Classify the articulations of the ribs. Describe the anatomical features of thesearticulations.Describe the movements	Lecture	HUMAN	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 79-80 ,Snell

			with the muscles producing articulations.		ANATOMY		anatomy ed. 8th pg No. 51, 65
8	Re-A-005	Intercostal Space	Define the attachments, relations, nerve supply and actions of intercostal muscles, Define an intercostal space and give details of its contents	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 86-91 ,Snell anatomy ed. 8th pg No. 52-55
9	Re-A-006	Thoracic Vertebrae	Describe the anatomical features and attachments on typical & atypical thoracic vertebrae.Differentiate between typical and atypical vertebrae, Explain the thoracic part of vertebral column (normal curvature, intervertebral joints, muscles & fascia of the back, blood supply, lymphatic drainage, nerve supply of back) Associated Clinical conditions -Kyphosis, Scoliosis	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 76-81 ,Snell anatomy ed. 8th pg No. 855-865
10	Re-A-007	Sternum	Describe the bony features and attachments on the sternum	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 73 ,Snell anatomy ed. 8th pg No. 46-48
11	Re-A-008	Connective Tissue of Thorax	Describe the endo thoracic fascia with its attachments.Describe the supra-pleural membrane with its attachments.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 91-108 ,Snell anatomy ed. 8th pg No. 57
12	Re-A-009	Joints of Thorax	Classify the joints of the thorax mentioning their articulations, movements with the muscle producing them.Describe the mechanism of thorax: pump handle and bucket handle movements.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 79-81 ,Snell anatomy ed. 8th pg No. 53-59
13	Re-A-010	Neurovascular Supply of Thorax	Describe the origin, course, relations and distribution of intercostal nerves and vessels, Describe the course and relations of Internal thoracic vessels	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 91-95 ,Snell anatomy ed. 8th pg No. 52-54
14	Re-A-011	Cutaneous Nerve Supply of Thorax	Describe the cutaneous nerve supply and dermatomes of thorax.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 94 ,Snell anatomy ed. 8th pg No. 55
15	Re-A-012	Diapgragm	Name the parts of diaphragm mentioningtheir attachments and neurovascular supply, Explain the role of diaphragm in respiration,Enumerate the diaphragmatic apertures,with their vertebral levels, mentioning thestructures traversing them.	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 306-308 ,Snell anatomy ed. 8th pg No. 57-60
16	Re-A-013	Pleural Cavity	Describe the pleura giving its parts, layers, neurovascular supply, and lymphatic drainage, Describe the pleural cavity giving its recesses and the lines of pleural reflection	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 116-121 ,Snell anatomy ed. 8th pg No. 80-85
17	Re-A-014/L1	Lungs	Describe the anatomical features, relations of lungs, Describe the neurovascular supply and lymphatic drainage of lungs.Compare and	Lecture	HUMAN	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 116-118

			contrast the anatomical features and relations of right and left lung		ANATOMY		,Snell anatomy ed. 8th pg No. 92-98
18	Re-A-014/L2	Lungs	Describe the root of the lung and pulmonary ligament with arrangement of structures at the hilum, Define Bronchopulmonary segments. Give their vascular supply, lymphatic drainage and clinical significance	Lecture	HUMAN ANATOMY	Dr. Ahmed	Clinically Oriented Anatomy ed 7th, Pg. No 113-115 ,Snell anatomy ed. 8th pg No. 82, 94-97
19	Re-a-015/L1	Bony components of thoracic cavity	Describe the development of ribs, sternum, and thoracic vertebrae. Give the associated congenital malformations	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
20	Re-a-015/L2	Bony components of thoracic cavity	Describe the development of ribs, sternum, and thoracic vertebrae. Give the associated congenital malformations	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
21	Re-a-016	Diaphragm	List the embryological sources of the diaphragm. Describe the events taking place in the development and descent of the diaphragm/Describe the embryological basis of congenital anomalies of the diaphragm: diaphragmatic hernias, eventuation of diaphragm, epigastric hernia, hiatal hernia, retrosternal hernia	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
22	Re-a-017/L1	Upper respiratory tract	Describe the development of upper respiratory tract: larynx and trachea	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
23	Re-a-017/L2	Upper respiratory tract	Describe the development of upper respiratory tract: larynx and trachea	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
24	Re-a-017/L3	Upper respiratory tract	Describe congenital anomalies of larynx and trachea: laryngeal web, laryngeal atresia, tracheal stenosis and atresia.	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
25	Re-a-017/L4	Upper respiratory tract	List the types of tracheo-esophageal fistulas. Describe their embryological basis and clinical presentation	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
26	Re-a-018	Lungs	List the phases of lung development with their time periods. Describe the events taking place in each phase/ Describe the embryological basis and clinical presentation of respiratory distress syndrome/Hyaline membrane disease.	Lecture	Embryology	Dr. Ijaz	KLM Embryology 10th ed. Pg. no 195-207
27	Re-a-019/20	Organization of respiratory system/Respiratory epithelium	Give the general histological organization of respiratory system./Describe the microscopic and ultramicroscopic structure of respiratory epithelium	Lecture	Histology	Dr. Ahmed	Laiq Hussain 6th edition pg. 183-190
28	Re-a-021/23	blood-air barrier/trachea and lungs	Describe the histology of blood-air barrier/Describe the histological features of lungs	Lecture	Histology	Dr. Ahmed	Laiq Hussain 6th edition pg. 183-190

29	Re-a-022	Epiglottis & larynx	Describe the histological features of epiglottis and larynx	Lecture	Histology	Dr. Ahmed	Laiq Hussain 6th edition pg. 183-190
30	Re-a-023	trachea and lungs	Describe the histological features of trachea	Lecture	Histology	Dr. Ahmed	Laiq Hussain 6th edition pg. 183-190
31	Re-A025	Epiglottis& larynx	Identify, draw and label the histologic sections of epiglottis and larynx	Practical	Histology	Dr. Shaista	Histology Manual
32	Re-A026	Trachea & Organization of respiratory system	Describe the histological features of bronchial tree: trachea, bronchi, bronchioles, alveoli	Practical	Histology	Dr. Shaista	Histology Manual
33	Re-A027/1	Bronchial tree & Lung	Identify, draw and label the histological sections of bronchial tree: trachea, bronchi, bronchioles, alveoli, Lung	Practical	Histology	Dr. Shaista	Histology Manual
34	Re-A027/2	Bronchial tree & Lung	Describe the mucosal changes encountered in the trachea-bronchial tree	Practical	Histology	Dr. Shaista	Histology Manual
35	Re-A027/3	Bronchial tree & Lung	Compare and contrast the histological features of various components of bronchial tree: trachea, bronchi, bronchioles, alveoli.	Practical	Histology	Dr. Shaista	Histology Manual
36	Re-A026	Pneumocytes	Describe, compare and contrast the light and electron microscopic features of type I and type II pneumocytes	Practical	Histology	Dr. Shaista	Histology Manual
37	Re-A004/007	Rib Cage/Sternum	Describe the anatomical features of ribs and sternum in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
38	Re-A006	Thoracic Vertebrae	Describe the anatomical features of thoracic vertebrae in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
39	Re-A009	Joints of thorax	Describe the anatomical features of joints of thorax in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
40	Re-A003	Thoracic Cavity	Describe the anatomical features of thoracic cavity in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
41	Re-A003	Thoracic Cavity	Describe the anatomical features of thoracic cavity in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
42	Re-A014	lungs	Describe the anatomical features of lungs in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
43	Re-A014	Lungs	Describe the anatomical features of joints of thorax in details	SGD	Human Anatomy	Dr. Fatima	Clinically Oriented Anatomy
	Re-A-003	Thoracic Cavity	Describe the anatomical coorelates of Thoracic inlet syndrome & thoracic outlet syndrome	Lecture	Surgery	Dr. Paras	Bailey and Love Short Practice of Surgery Ed 27
	Re-A-004	Rib Cage	Describe the coorelates of supernumeray cervical rib. Describe the anatomical coorelates of flail chest.	Lecture	Surgery	Dr. Sabih Nofal	Bailey and Love Short Practice of Surgery Ed 27

	Re-A-005	Intercostal space	Describe the anatomical coorelates of thoracotomy. Describe the anatomical coorelates of intercostal incisions.	Lecture	Surgery	Dr. Shahzina	Bailey and Love Short Practice of Surgery Ed 27
	Re-A-007	Sternum	Describe the anatomical coorelates of median sternotony. Describe the anatomical coorelates of sternal biopsy. Describe presentation of sternal fractures and coorelate anatomically.	Lecture	Surgery	Dr. Basil	Bailey and Love Short Practice of Surgery Ed 27
	Re-A-014	Lungs	Describe the anatomical coorelate of thoracocentesis.	Lecture	Surgery	Dr. Sana	Bailey and Love Short Practice of Surgery Ed 27
	Re-A_017	Upper Respiratory Tract	Enlist the types of Tracheo-oesophageal fistulas. Describe their embryological basis and clinical presentation.	Lecture	Surgery	Dr. Sana	Bailey and Love Short Practice of Surgery Ed 27

PHYSIOLOGY

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
1	Re-P-001	Breathing	Enlist the muscles of inspiration and expiration in quiet breathing Enlist the muscles of inspiration and expiration in labored breathing Explain the components of the work of breathing Discuss the mechanics of pulmonary ventilation Explain periodic breathing Explain the causes and pathophysiology of sleep apnea	Lecture	Physiology	Dr shaheena	Chap 38 pg. 497
2	Re-P-002	lung compliance	Define lung compliance Enlist the factors that affect lung compliance Draw the compliance diagram of air filled and saline filled lungs Enlist the components of surfactant Describe the role of surfactant in lung compliance Explain the role of surfactant in premature babies	Lecture	Physiology	Dr nida	Chap 38 pg497
3	Re-P-003	Lung volume and capacities	Define the different lung volumes and capacities and their clinical significance Discuss fev1/ FVC ratio and its clinical significance Enlist the lung volumes and capacities that cannot be measured by spirometer. Define dead space & explain its types	Lecture	Physiology	Dr sadia	Chap 38 pg 497

4	Re-P-003 Re-P-004	Lung volume and capacities Alveolar ventilation	Discuss FEV1/FVC ratio in relation to Bronchial Asthma. Discuss FEV1/FVC ratio in relation to Chronic Obstructive Pulmonary disease/restrictive lung diseases Discuss FEV1/FVC ratio in relation to pulmonary embolism Define alveolar ventilation. Define minute respiratory volume	Lecture	Physiology	Dr Afsheen	Chap 38 pg 497
5	Re-P-005	Principles of Gaseous Exchange	Explain the ultrastructure of respiratory membrane Discuss the factors affecting diffusion of gases across the respiratory membrane Explain the diffusion capacity of respiratory membrane for oxygen and carbon dioxide Define alveolar, pleural and transpulmonary pressure. Explain differences in the partial pressures of atmospheric, humidified, alveolar air and explain physiological basis of change in each pressure	Lecture	Physiology	Dr sadia	Chap 40 pg 517
	Re-P-006	Transport of oxygen in the blood	Explain the different forms of transport of oxygen in the blood	Lecture	Physiology	Dr shaheena	Chap 41 Pg 527
7	Re-P-006	Transport of oxygen in the blood	Draw and explain oxy-hemoglobin dissociation Curve Enlist the factors that cause rightward shift of Oxyhemoglobin dissociation curve. Enlist the factors that cause leftward shift of Oxyhemoglobin dissociation curve Explain the Bohr's effect Define: enlist the types, and causes of cyanosis	Lecture	Physiology	Dr Sadia	Chap 41 Pg 527
8	Re-P-007	Transport of CO2 in the blood	Enlist different forms in which C02 is transported in the blood. Explain the Carboxyhemoglobin dissociation Curve. Explain the Haldane effect. Explain the chloride shift/Hamburger phenomenon. Define the respiratory exchange ratio (RER)	Lecture	Physiology	Dr Afsheen	Chap 41 Pg 527
9	Re-P-008	VA/Q (Ventilation Perfusion Ratio)	Explain the alveolar oxygen and carbon dioxide pressure when VA/Q = infinity, zero and normal Explain the concept of physiological shunt when VAQ ratio is less than normal	Lecture	Physiology	Dr Madiha	Chap 40 Pg 517

			Explain the concept of physiological dead space when VA/Q ratio is above normal				
10	Re-P-009	Protective Reflexes	Enlist the respiratory & non-respiratory functions of lungs. Explain the nervous control of bronchiolar musculature Trace the reflex arc of cough reflex and sneeze Reflex	Lecture	Physiology	Dr Madiha	Chap 38 Pg 497
11	Re-P-010	Aviation and space	Explain the principal means by which acclimatization occurs Explain the events that occur during acute mountain sickness Enlist the features of chronic mountain sickness	Lecture	Physiology	Dr Nida	Chap 44 Pg 561
	Re-P-011	Deep sea diving	Explain the pathophysiology, features, prevention and treatment of decompression sickness	Lecture	Physiology	Dr Shaheena	Chap 45 pg. 569
13	Re-P-012 Re-P-013	CO poisoning Nervous regulation of respiration	Enumerate the components of respiratory centers and explain their functions. Explain the inspiratory RAMP signal Explain the Herring Breuer reflexlung inflalion reflex and its clinical significance	Lecture	Physiology	Dr Afsheen	Chap 41 Pg 527 Chap 42 Pg 539
14	Re-P-14 Re-P-15	Chemical control of respiration Exercise and respiration	Explain the location of chemo sensitive area (central chemoreceptors) and peripheral chemoreceptors Explain the effect of hydrogen ions & carbon dioxide on the chemo- sensitive area Explain the role of oxygen in the control of respiration/peripheral chemoreceptors Explain the regulation of Respiration during Exercise	Lecture	Physiology	Dr Sadia	Guyton & Hall, Chap 42 Pg 539
15	Re-P-16	Hypoxia	Enlist the effects of acute hypoxia Explain the hypoxia inducible factor a master switch for body response to hypoxia Define and explain different types of hypoxias	Lecture	Physiology	Dr Sadia	Guyton & Hall, Chap 42 Pg 539
16	Re-P-017 Re-P-018 Re-P-019	Tuberculosis Pneumonia Dyspnea	Explain the pathophysiology of Tuberculosis. Describe the pathophysiology of Pneumonia Define Dyspnea Enlist different causes of dyspnea Differentiate between cardiac and respiratory dyspnea Outline management strategies for dyspnea	Lecture	Physiology	Dr Afsheen	Guyton & Hall, Chap 42 Pg 539

	Re-P-020	Pneumothorax	Enlist the causes of Pneumothorax. Describe the sign and symptoms of Pneumothorax.	Lecture	Surgery	Dr. Javed	Bailey and Love Short Practice of Surgery Ed 27
	Re-P-021	Pleuritis	Enlist causes of pleuritis. Descibe the sign and symptoms of pleuritis. Describe the management of pleuritis.	Lecture	Surgery	Dr. Fatima	Bailey and Love Short Practice of Surgery Ed 27
	Re-P-028	First Aid In surgical patient.	Describe ABC in a trauma patient.	Lecture	Surgery	Dr. Usman khan	ailey and Love Short Practice of Surgery Ed 27

BIOCHEMISTRY

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
1	Re-B-001	Genetic defects	Explain and interpret the pedigree of single gene defect i.e., Emphysema and cystic fibrosis (autosomal recessive)	Lecture	Biochemistry	Dr Ali	ABC of clinical genetics page 51,95, Lippincott 7th edition page 50 Lippincott 7th edition page 450,499
	Re-B002	Phospholipids	Explain the biochemical significance of phospholipids	Lecture	Biochemistry	Dr Sadia Khalil	Lippincott 7th edition Page 201-211
	Re-B-002	Phospholipids	Explain the biochemical significance of phospholipids	Lecture	Biochemistry	Dr Sadia Khalil	Lippincott 7th edition Page 201-211
	Re-B-002	Phospholipids	Explain the biochemical significance of phospholipids	Lecture	Biochemistry	Dr Sadia Khalil	Lippincott 7th edition Page 201-211
	Re-B-002	Phospholipids	Explain the biochemical significance of phospholipids	Lecture	Biochemistry	Dr Sadia Khalil	Lippincott 7th edition Page 201-211
	Re-B-002	Phospholipids	Interpret Respiratory Distress syndrome on the s basis of given data	Lecture	Biochemistry	Dr Sadia Khalil	Lippincott 7th edition Page 201-211
	Re-B-003	Elastin	Describe the structure, synthesis, degradation and functions of Elastin	Lecture	Biochemistry	Dr Ali	Lippincott 7th edition Page 49-50
	Re-B-003	Elastin	Describe the structure, synthesis, degradation and functions of Elastin	Lecture	Biochemistry	Dr Ali	Lippincott 7th edition Page 49-50
	Re-B-003	Elastin	Discuss the pathophysiology of Emphysema.	Lecture	Biochemistry	Pathology	Pathology Integration
	Re-B-004	Acid base balance	Discuss the concept of acid base balance	Lecture	Biochemistry	Prof Dr sadia	Chatterjee 8th edition Page 709

	Re-B-004	Acid base balance	Interpret metabolic and respiratory disorders of acid base balance on the basis of sign, symptoms and ABG findings	Lecture	Biochemistry	Prof. Dr Sadia	Chatterjee 8th edition Page 709
	Re-B-004	Acid base balance	Interpret metabolic and respiratory disorders of acid base balance on the basis of sign, symptoms and ABG findings	Lecture	Biochemistry	Prof. Dr sadia	Chatterjee 8th edition Page 709
	Re-B-004	Acid base balance	Interpret metabolic and respiratory disorders of acid base balance on the basis of sign, symptoms and ABG findings	Lecture	Biochemistry	Prof Dr sadia	Chatterjee 8th edition Page 709
	Re-B-004	Acid base balance	Describe the Clinical interpretation of acid base balance	Lecture	Biochemistry	Medicine	Medicine Integration
	Re-B-004	Acid base balance	Describe the Clinical interpretation of acid base balance	Lecture	Biochemistry	Medicine	Medicine Integration
	Re-B005	Determinatio n of pH	Determine the pH of the solution by pH meter	Practical	Biochemistry	Demonstrator	Practical Manual

PATHOPHYSIOLOGY AND PHARMACOTHERAPEUTICS

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
1	Re-Ph-001	Cough Suppressants	Identify the drugs for cough suppression and expectoration	Lecture	Pharmacology	Prof Dr. Zujaja	Ref Basic & clinical pharmacology Katzung 14th edition chapter # 16 & 31
			Explain the mechanism of action and adverse effects of cough suppressants				
2	Re-Ph-002	Anti Histamines	Explain the mechanism of action and adverse effects of anti-histamines	Lecture	Pharmacology	Prof Dr. Zujaja	Ref Basic & clinical pharmacology Katzung 14th edition chapter # 16
3	Re-Ph-003	Anti Asthmatics-I	Explain the mechanism of action and adverse effects of anti-asthmatics	Lecture-I	Pharmacology	Prof Dr. Asma	Ref Basic & clinical pharmacology Katzung 14th edition chapter # 20
3	Re-Ph-003	Anti Asthmatics-II	Explain the mechanism of action and adverse effects of anti-asthmatics	Lecture-II	Pharmacology	Prof Dr. Asma	Ref Basic & clinical pharmacology Katzung 14th edition chapter # 20
4	Re-Pa 001	Acute Respiratory Distress Syndrome	Describe the pathophysiology of acute respiratory distress syndrome	Lecture	Pathology	Dr Zulfiqar Ali	Robins and Cotran Pathologic basis of disease
	Re-Pa 002	Obstructive lung Disease	Describe the pathophysiology of obstructive lung disease	Lecture	Pathology	Dr Majid Ali	Robins and Cotran Pathologic basis of disease

	Re-Pa-003	Restrictive Lung Disease	Describe the pathophysiology of Restrictive Lung Disease	Lecture	Pathology	Dr Zulfiqar Ali	Robins and Cotran Pathologic basis of disease

AGING

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
	Re-Ag-001	Age-induced lung fibrosis	Discuss the effect of age on decreased lung compliance	Lceture	Pathology	Dr Zulfiqar	Robins and Cotran Pathologic basis of disease
	Re-Ag-002	Increased vulnerability to infection & neoplasia	Discuss the role of age on respiratory clearance leading to recurrent inflammatory processes at the ciliated respiratory epithelium	lecture	pathology	Dr mahjid	Robins and Cotran Pathologic basis of disease

DISEASE PREVENTION & IMPACT

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
1.	Re-CM-001	Prevention of Acute Respiratory Infections	1. Identify the common risk factors associated with acute respiratory (ARI) with emphasis on smoking 2. Discuss the prevention strategies of different problems related to respiratory system 3. Enlist the common vaccines available for prevention of ARI 4. Explain the role of vitamins in respiratory tract infections	Lecture	Community Medicine	Dr. Sana Noor/ Dr. Usman Sheikh	K.PARK, 24th Edition, Chapter 05 , page 153-185
2.	Re-CM-002	Interaction of Environment and Respiratory system	Explain the effect of air pollutants on respiratory system	Lecture	Community Medicine	Dr. Sana Noor/ Dr. Usman Sheikh /	K.PARK, 24th Edition, Chapter 13, page 786-776
3.	Re-CM-003	Epidemiology of Respiratory Diseases	Describe the burden of respiratory diseases	Lecture	Community Medicine	Dr. Usman Sheikh / Dr. Sana Noor	K.PARK, 24th Edition, Chapter 05, page 153-185
4.	Re-CM-004	Occupational Lung Diseases	Enlist the common respiratory lung disease related to occupation	Lecture	Community Medicine	Dr. Usman Sheikh / Dr. Sana Noor	K.PARK, 24th Edition, Chapter 16, page 840-856

ISLAMIYAT

No	CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	Facilitator	PORTFOLIO ENTRY
1	QI-005	Spiritual, moral and social impact of prayer in building of righteous community	Prayer	Miss Farah	1 SEQ, 1class quiz
2	QI-006	Describe the role of state in collection and disbursement of zakat	Obligatory charity	Miss Farah	1 SEQ, 1class quiz
3	QI-007	Identify the applications of taqwa through fasting	Fasting	Miss Farah	1 SEQ, 1class quiz
4	QI-008	Role of manasik-e-Hajj in producing discipline and complete submission	Pilgrimage	Miss Farah	1 SEQ, 1class quiz

CLINICAL SKILLS FOUNDATION

No.	Code	Skill	Objectives	Log book enteries	department
1	CSF-CVS-001	Heart sounds	Auscultation of heart sounds	3	Skills lab
2	CSF-CVS-002	Edema	Detection of ankle swelling/edema – pitting /non-pitting	3	Skills lab
3	CSF-CVS-003	JVP	Abdominal jugular reflex	3	Skills lab
4	CSF-CVS-004	CXR	Identify main organs of the thorax on CXR	3	Skills lab
5	CSF-CVS-005	Pedal and carotid pulse	Perform detection of pedal and carotid pulses	3	Skills lab

6	CSF-CVS-006	Lymph node Examination	Perform cervical and axillary lymph node examination	3	Skills lab

PROFESSIONALISM, ETHICS, RESEARCH, LEADERSHIP

No.	Code	Topic	Learning Objective	Teaching strategy	Department	Faculty members	References
1	PERLs - 1-17	Tolerance Patience Role of emotional regulation Giving feedback	To understand Leadership	Interactive lecture	DME	Dr.	Not required
2	PERLs - 1-18	Stress coping mechanism	Demonstrate healthy coping mechanisms to respond to stress	Group presentations by students	DME	Dr. Laraib	Google search
3	PERLs - 1-19	Communicator	Developing an argument. Structure of an argument Validity of an argument	Interactive lecture	DME	Dr. Laraib	Handouts shared as soft copy
4	PERLs -20	Identify and seek help as and when required to achieve the set goals	Self-directed learner	Student presentation	DME	Dr. Laraib	Reading material shared online

RESOURCE BOOKS

Anatomy

- Snell's clinical anatomy by Regions.
- Langman's Medical Embryology 14th Edition
- Laiq H.S. Medical Histology. Paramount Books.
- Laiq H.S. General Anatomy. Paramount Books.

ADDITIONAL READING RESOURCES (only the pages mentioned in studyguide)

- Moore K.L. Clinically Oriented Anatomy. Baltimore, U.S.A. Williams and Wilkins:
- The Developing Human by K.L. Moore.
- General anatomy by Tasadduq Hussain

Physiology

• Guyton AC and Hall JE (2001). Textbook of Medical Physiology. 10th edition. W. B. Sunders & Co.,Philadelphia.

ADDITIONAL READING RESOURCES (only the pages mentioned in studyguide)

- Ganong's Review of Medical physiology
- Human Physiology from cell to system by Lauralae Sherwood

Biochemistry

• Champe, P.C. & Harvey, E.A. Biochemistry (Lippincott's Illustrated Reviews). J.B Lippincott Co.

• Robert K. Murray, Daryl K. Granner, Peter A. Mayes, Victor W. Rodwell. Harper's Biochemistry. McGraw-Hill.

• ABC of Clinical Genetics by H.M. Kingston.

ADDITIONAL READING RESOURCES (only the pages mentioned in studyguide)

- Biochemistry notes

Pathology

• Vinary Kumar, Abul K. Abbas and Nelson Fausto Robbins and Cotran, Pathologic basis of disease. WB Saunders.

• Richard Mitchall, Vinary Kumar, Abul K. Abbas and Nelson Fausto Robbins and Cotran, Pocket Companion to Pathologic basis of diseases. Saunder Harcourt.

• Walter and Israel. General Pathology. Churchill Livingstone.

Pharmacology

• Basic and Clinical Pharmacology by Katzung, McGraw-Hill.

• Pharmacology by Champe and Harvey, Lippincott Williams & Wilkins

Community medicine

• Parks Textbook of Preventive and Social Medicine. K. Park (Editor)

• Public Health and Community Medicine, Ilyas, Ansari (Editors)

OTHER LEARNING RECOURCES:

- **Hands-on Activities/ Practical:**

Students will be involved in Practical sessions and hands-on activities that link with the foundation module to enhance the learning.

- **Labs:**

Utilize the lab to relate the knowledge to the specimens and models available.

- **Skill Labs**

A skills lab provides the simulators to learn the basic skills and procedures. This helps build the confidence to approach the patients.

- **Videos**

Video familiarize the student with the procedures and protocols to assist patients.

- **Computer Lab/CDs/DVDs/Internet Resources:**

To increase the knowledge students should utilize the available internet resources and CDs/DVDs. This will be an additional advantage to increase learning.

- **Self-Learning:**

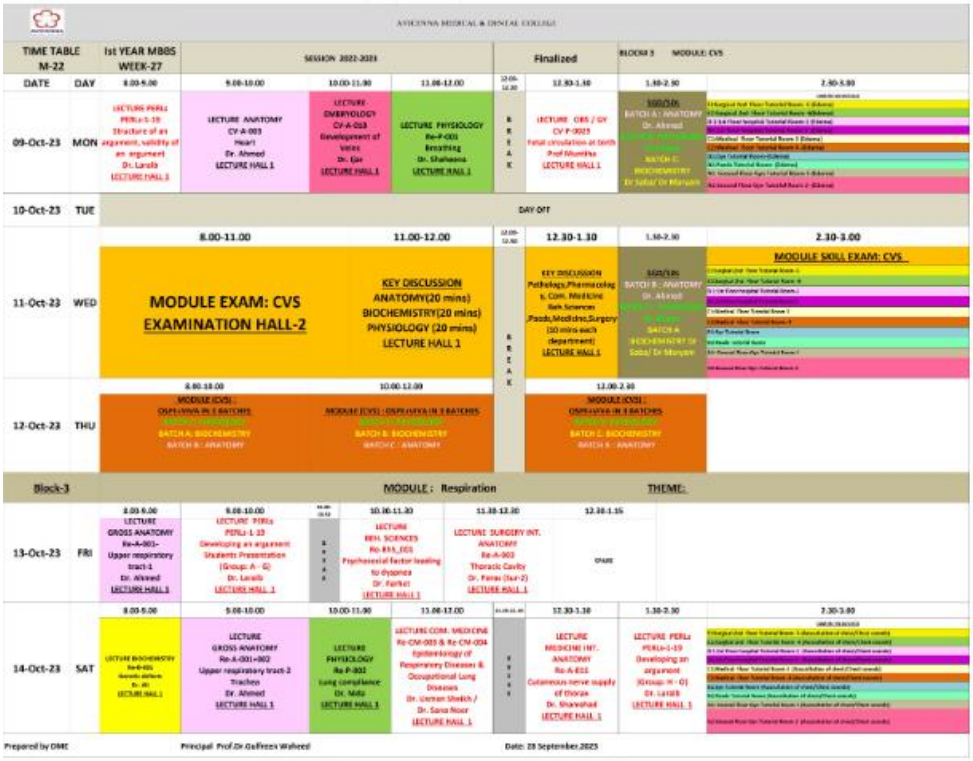
Self-Learning is scheduled to search for information to solve cases, read through different resources and discuss among the peers and with the faculty to clarify the concepts.

WEEKLY THEMATIC TIME TABLES

WEEK-0.5

THEME: RESPIRATION

SUB-THEME: RIB CAGE, mechanism of respiration & Phospholipids

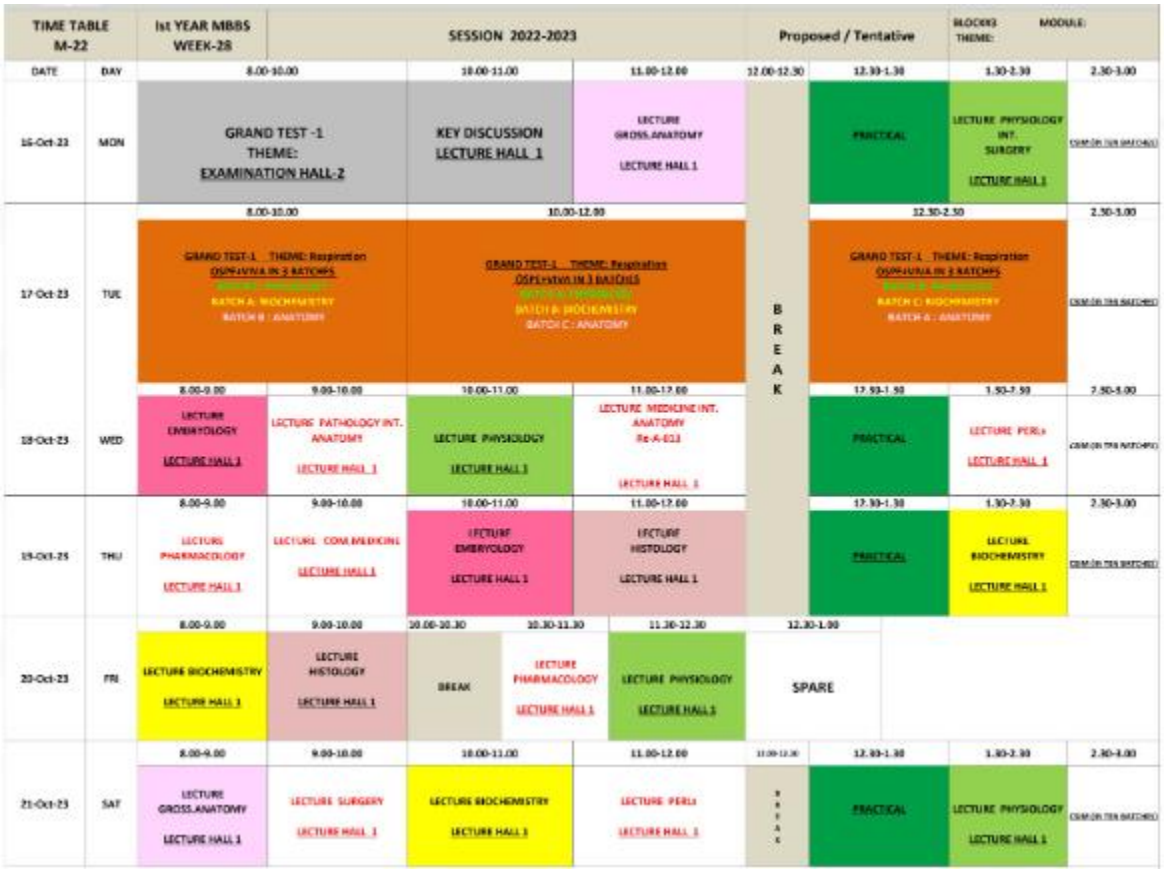


TIME TABLE M-22		1st YEAR MBBS WEEK-27	SESSION 2022-2023			Finalized		BLOCK# 3 MODULE: CVS	
DATE	DAY	8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30	1.30-2.30	2.30-3.00
09-Oct-23	MON	LECTURE PERLs PERLs-1-10 Structure of an argument, validity of an argument Dr. Laraib LECTURE HALL 3	LECTURE ANATOMY CV-A-003 Heart Dr. Ahmed LECTURE HALL 1	LECTURE EMBRYOLOGY CV-A-053 Development of veins Dr. Gia LECTURE HALL 1	LECTURE PHYSIOLOGY Re-P-001 Breathing Dr. Shahaana LECTURE HALL 1	BREAK	LECTURE OBS / GY CV P-3025 Fetal circulation at birth Prof Mumtaz LECTURE HALL 1	SGD/SDL BATCH A : ANATOMY Dr. Ahmed BATCH C: BIOCHEMISTRY Dr Sobia/ Dr Maryam	
10-Oct-23	TUE	DAY OFF							
11-Oct-23	WED	8.00-11.00 MODULE EXAM: CVS EXAMINATION HALL-2			11.00-12.00 KEY DISCUSSION ANATOMY(20 mins) BIOCHEMISTRY(20 mins) PHYSIOLOGY (20 mins) LECTURE HALL 1	BREAK	12.30-1.30 KEY DISCUSSION Pathology,Pharmacology, Com. Medicine Allied Sciences (Peads,Medicine,Surgery) (10 mins each department) LECTURE HALL 1	SGD/SDL BATCH B : ANATOMY Dr. Ahmed BATCH A BIOCHEMISTRY Dr Sobia/ Dr Maryam	2.30-3.00 MODULE SKILL EXAM: CVS
12-Oct-23	THU	8.00-10.00 MODULE (CVS) : OSPE/VIVA IN 3 BATCHES BATCH A: BIOCHEMISTRY BATCH B : ANATOMY			10.00-12.00 MODULE (CVS) : OSPE/VIVA IN 3 BATCHES BATCH B: BIOCHEMISTRY BATCH C : ANATOMY	BREAK	12.00-2.00 MODULE (CVS) : OSPE/VIVA IN 3 BATCHES BATCH C: BIOCHEMISTRY BATCH A : ANATOMY		
Block-3		MODULE : Respiration					THEME:		
13-Oct-23	FRI	8.00-9.00 LECTURE GROSS ANATOMY Re-A-001- Upper respiratory tract-1 Dr. Ahmed LECTURE HALL 1	9.00-10.00 LECTURE PERLs PERLs-1-10 Developing an argument Students Presentation (Group: A - G) Dr. Laraib LECTURE HALL 1	BREAK	10.30-11.30 LECTURE BEH. SCIENCES Re-BSL-005 Psychosocial factor leading to dyspnea Dr. Farhat LECTURE HALL 1	11.30-12.30 LECTURE SURGERY INT. ANATOMY Re-A-003 Thoracic Cavity Dr. Faraz (Sur-2) LECTURE HALL 1	12.30-1.15 ISHA		
14-Oct-23	SAT	8.00-9.00 LECTURE BIOCHEMISTRY Re-B-001 Genetic defects Dr. Ali LECTURE HALL 1	9.00-10.00 LECTURE GROSS ANATOMY Re-A-001+002 Upper respiratory tract-2 Trachea Dr. Ahmed LECTURE HALL 1	10.00-11.00 LECTURE PHYSIOLOGY Re P-002 Lung compliance Dr. Nida LECTURE HALL 1	11.00-12.00 LECTURE COM. MEDICINE Re-CM-003 & Re-CM-004 Epidemiology of Respiratory Diseases & Occupational Lung Diseases Dr. Usman Sheikh / Dr. Sana Noor LECTURE HALL 1	BREAK	12.30-1.30 LECTURE MEDICINE INT. ANATOMY Re-A-001 Cutaneous nerve supply of thorax Dr. Sharwshad LECTURE HALL 1	1.30-2.30 LECTURE PERLs PERLs-1-10 Developing an argument (Group: H - O) Dr. Laraib LECTURE HALL 1	2.30-3.00
Prepared by OME		Principal Prof.Dr Gulferoz Waheed				Date: 28 September 2023			

WEEK-1

THEME: RESPIRATION

SUB-THEME: RIB CAGE



TIME TABLE M-22		1st YEAR MBBS WEEK-28		SESSION 2022-2023			Proposed / Tentative		BLOCK3 THEME:	MODULE:
DATE	DAY	8.00-10.00		10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30		1.30-2.30	2.30-3.00
16-Oct-23	MON	GRAND TEST -1 THEME: EXAMINATION HALL-2		KEY DISCUSSION LECTURE HALL 1	LECTURE GROSS.ANATOMY LECTURE HALL 1		PRACTICAL		LECTURE PHYSIOLOGY INT. SURGERY LECTURE HALL 1	
17-Oct-23	TUE	8.00-10.00		10.00-12.00			12.30-2.30			2.30-3.00
		GRAND TEST-1 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH A: BIOCHEMISTRY BATCH B : ANATOMY		GRAND TEST-1 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH B: BIOCHEMISTRY BATCH C : ANATOMY			GRAND TEST-1 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH C: BIOCHEMISTRY BATCH A : ANATOMY			
18-Oct-23	WED	8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00		12.30-1.30		1.30-2.30	2.30-3.00
		LECTURE EMBRYOLOGY LECTURE HALL 1	LECTURE PATHOLOGY INT. ANATOMY LECTURE HALL 1	LECTURE PHYSIOLOGY LECTURE HALL 1	LECTURE MEDICINE INT. ANATOMY Re-A-013 LECTURE HALL 1		PRACTICAL		LECTURE PERIO LECTURE HALL 1	
19-Oct-23	THU	8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00		12.30-1.30		1.30-2.30	2.30-3.00
		LECTURE PHARMACOLOGY LECTURE HALL 1	LECTURE COM.MEDICINE LECTURE HALL 1	LECTURE EMBRYOLOGY LECTURE HALL 1	LECTURE HISTOLOGY LECTURE HALL 1		PRACTICAL		LECTURE BIOCHEMISTRY LECTURE HALL 1	
20-Oct-23	FRI	8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.00			
		LECTURE BIOCHEMISTRY LECTURE HALL 1	LECTURE HISTOLOGY LECTURE HALL 1	BREAK	LECTURE PHARMACOLOGY LECTURE HALL 1	LECTURE PHYSIOLOGY LECTURE HALL 1	SPARE			
21-Oct-23	SAT	8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30		1.30-2.30	2.30-3.00
		LECTURE GROSS.ANATOMY LECTURE HALL 1	LECTURE SURGERY LECTURE HALL 1	LECTURE BIOCHEMISTRY LECTURE HALL 1	LECTURE PERIO LECTURE HALL 1	BREAK	PRACTICAL		LECTURE PHYSIOLOGY LECTURE HALL 1	

WEEK-2

THEME: RESPIRATION

SUB-THEME: THORACIC VERTEBRAE, TRANSPORT OF GASES & ELASTIC TISSUE

TIME TABLE M-22		Ist YEAR MBBS WEEK-29		SESSION 2022-2023		Proposed / Tentative		BLOCK#3 THEME:	MODULE:
DATE	DAY	8.00-10.00		10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30	1.30-2.30	2.30-3.00
23-Oct-23	MON	GRAND TEST -2 THEME: EXAMINATION HALL-2		KEY DISCUSSION LECTURE HALL 1	LECTURE PHYSIOLOGY LECTURE HALL 1		LECTURE BIOCHEMISTRY LECTURE HALL 1	LECTURE EMBRYOLOGY LECTURE HALL 1	CUM IN TEN BATCHES
		8.00-10.00		10.00-12.00			12.30-2.30		2.30-3.00
24-Oct-23	TUE	GRAND TEST-2 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH C: BIOCHEMISTRY BATCH A : ANATOMY		GRAND TEST-2 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH A : BIOCHEMISTRY BATCH B: ANATOMY		B R E A K	GRAND TEST-2 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH B: BIOCHEMISTRY BATCH C: ANATOMY		CUM IN TEN BATCHES
		8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00		12.30-1.30	1.30-2.30	2.30-3.00
25-Oct-24	WED	LECTURE GROSS.ANATOMY LECTURE HALL 1	LECTURE PHYSIOLOGY LECTURE HALL 1	LECTURE PATHOLOGY INT. BIOCHEMISTRY LECTURE HALL 1	LECTURE EMBRYOLOGY LECTURE HALL 1		PRACTICAL	LECTURE SURGERY INT. ANATOMY LECTURE HALL 1	CUM IN TEN BATCHES
		8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00		12.30-1.30	1.30-2.30	2.30-3.00
26-Oct-23	THU	LECTURE BIOCHEMISTRY LECTURE HALL 1	LECTURE GROSS.ANATOMY LECTURE HALL 1	LECTURE PHYSIOLOGY LECTURE HALL 1	LECTURE MEDICINE INT. BIOCHEMISTRY Rc-8-004 LECTURE HALL 1		PRACTICAL	LECTURE HISTOLOGY LECTURE HALL 1	CUM IN TEN BATCHES
		8.00-9.00	9.00-10.00	10.30-11.30	11.30-12.30	12.30-1.00			
27-Oct-23	FRI	LECTURE PHYSIOLOGY INT. SURGERY LECTURE HALL 1	LECTURE BIOCHEMISTRY LECTURE HALL 1	BREAK LECTURE PHYSIOLOGY LECTURE HALL 1	LECTURE PHARMACOLOGY LECTURE HALL 1	SPARE			
		8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00		12.30-1.30	1.30-2.30	2.30-3.00
28-Oct-23	SAT	LECTURE PHYSIOLOGY LECTURE HALL 1	LECTURE PAEDS INT.PHYSIOLOGY LECTURE HALL 1	LECTURE GROSS.ANATOMY LECTURE HALL 1	LECTURE PHARMACOLOGY LECTURE HALL 1	B R E A K	PRACTICAL	LECTURE PERIo LECTURE HALL 1	CUM IN TEN BATCHES
Prepared by DME		Principal Prof.Dr.Gulfreen Waheed			Date: 28 September,2023				

WEEK-3

THEME: RESPIRATION

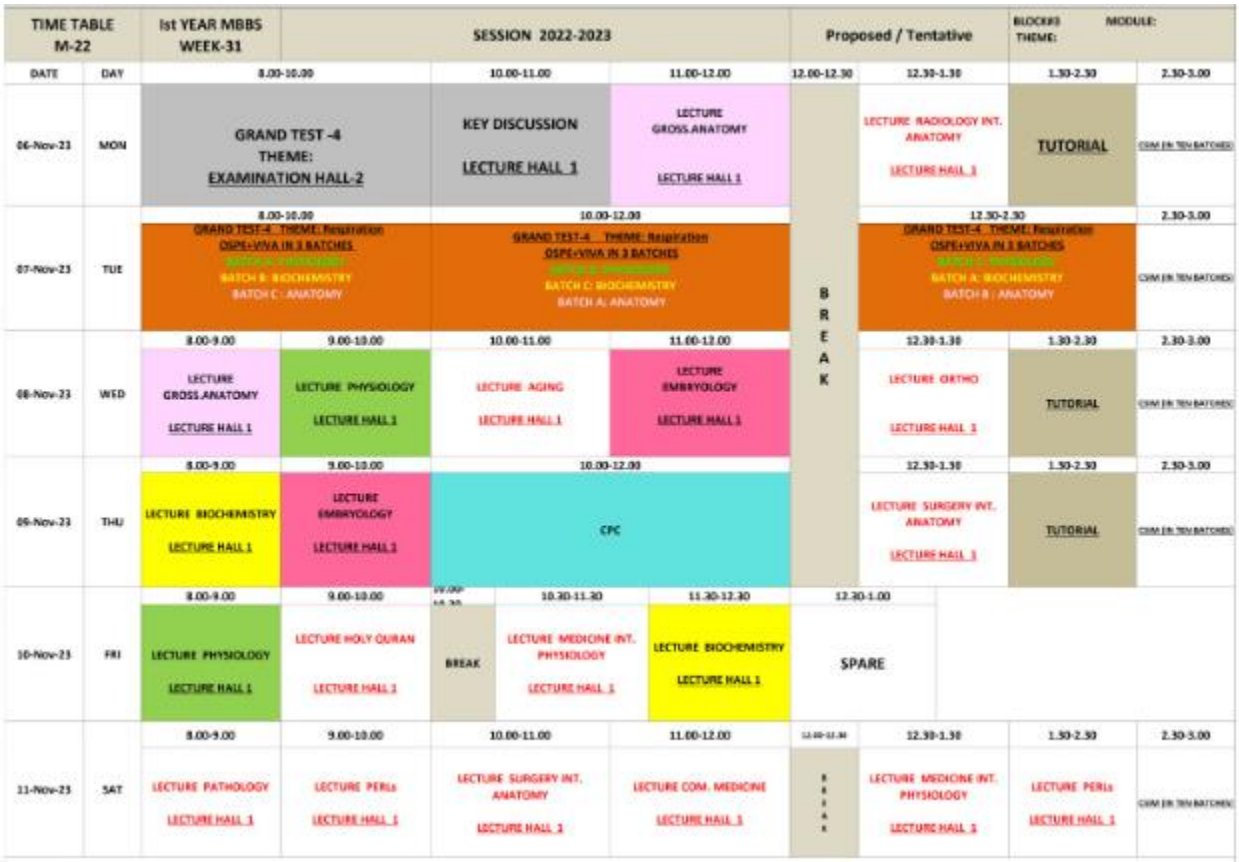
SUB-THEME: UPPER RESPIRATORY SYSTEM, DISEASES OF RESPIRATORY SYSTEM

TIME TABLE M-22		Ist YEAR MBBS WEEK-30		SESSION 2022-2023			Proposed / Tentative		BLOCK#3 THEME:	MODULE:
DATE	DAY	8.00-10.00		10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30		1.30-2.30	2.30-3.00
30-Oct-23	MON	GRAND TEST -3 THEME: EXAMINATION HALL-2		KEY DISCUSSION LECTURE HALL 1	LECTURE BIOCHEMISTRY LECTURE HALL 1	B R E A K	PRACTICAL		LECTURE MEDICINE INT. PHYSIOLOGY LECTURE HALL 1	CBIM (IN TEN BATCHES)
31-Oct-23	TUE	8.00-10.00 GRAND TEST-3 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH B: BIOCHEMISTRY BATCH C : ANATOMY		10.00-12.00 GRAND TEST-3 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH C: BIOCHEMISTRY BATCH A: ANATOMY			12.30-2.30 GRAND TEST-3 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH A: BIOCHEMISTRY BATCH B : ANATOMY			2.30-3.00 CBIM (IN TEN BATCHES)
01-Nov-23	WED	8.00-9.00 LECTURE BIOCHEMISTRY LECTURE HALL 1	9.00-10.00 LECTURE PATHOLOGY LECTURE HALL 1	10.00-11.00 LECTURE PHYSIOLOGY LECTURE HALL 1	11.00-12.00 LECTURE EMBRYOLOGY LECTURE HALL 1		12.30-1.30 PRACTICAL		1.30-2.30 LECTURE SURGERY INT. PHYSIOLOGY LECTURE HALL 1	2.30-3.00 CBIM (IN TEN BATCHES)
02-Nov-23	THU	8.00-9.00 LECTURE EMBRYOLOGY LECTURE HALL 1	9.00-10.00 LECTURE HISTOLOGY LECTURE HALL 1	10.00-11.00 LECTURE GROSS ANATOMY LECTURE HALL 1	11.00-12.00 LECTURE PHYSIOLOGY LECTURE HALL 1		12.30-1.30 PRACTICAL		1.30-2.30 LECTURE BEH. SCIENCES LECTURE HALL 1	2.30-3.00 CBIM (IN TEN BATCHES)
03-Nov-23	FRI	8.00-9.00 LECTURE MEDICINE INT. PHYSIOLOGY LECTURE HALL 1	9.00-10.00 LECTURE BIOCHEMISTRY LECTURE HALL 1	BREAK	10.30-11.30 LECTURE PHYSIOLOGY LECTURE HALL 1	11.30-12.30 LECTURE GROSS ANATOMY LECTURE HALL 1	12.30-1.00 SPARE			
04-Nov-23	SAT	8.00-9.00 LECTURE ANESTHESIA INT. ANATOMY LECTURE HALL 1	9.00-10.00 LECTURE GROSS ANATOMY LECTURE HALL 1	10.00-11.00 LECTURE PHYSIOLOGY LECTURE HALL 1	11.00-12.00 LECTURE FORENSIC MEDICINE INT. ANATOMY LECTURE HALL 1	B R E A K	12.30-1.30 PRACTICAL		1.30-2.30 LECTURE PAEDS INT. ANATOMY LECTURE HALL 1	2.30-3.00 CBIM (IN TEN BATCHES)
Prepared by DME		Principal Prof.Dr.Gulfreen Wahood					Date: 28 September,2023			

WEEK-4

THEME: RESPIRATION

SUB-THEME: LOWER RESPIRATORY SYSTEM, SPACE PHYSIOLOGY & ACID-BASE BALANCE



TIME TABLE M-22		1st YEAR MBBS WEEK-31		SESSION 2022-2023		Proposed / Tentative		BLOCK#3 THEME:	MODULE:
DATE	DAY	8.00-10.00		10.00-11.00	11.00-12.00	12.00-12.30	12.30-1.30	1.30-2.30	2.30-3.00
06-Nov-23	MON	GRAND TEST -4 THEME: EXAMINATION HALL-2		KEY DISCUSSION LECTURE HALL 1	LECTURE GROSS ANATOMY LECTURE HALL 1	B R E A K	LECTURE RADIOLOGY INT. ANATOMY LECTURE HALL 1	TUTORIAL	CUM IN TEN BATCHES
07-Nov-23	TUE	8.00-10.00 GRAND TEST-4 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH B: BIOCHEMISTRY BATCH C : ANATOMY		10.00-12.00 GRAND TEST-4 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH C: BIOCHEMISTRY BATCH A: ANATOMY			12.30-2.30 GRAND TEST-4 THEME: Respiration OSPE+VIVA IN 3 BATCHES BATCH A: BIOCHEMISTRY BATCH B : ANATOMY		2.30-3.00 CUM IN TEN BATCHES
08-Nov-23	WED	8.00-9.00 LECTURE GROSS ANATOMY LECTURE HALL 1	9.00-10.00 LECTURE PHYSIOLOGY LECTURE HALL 1	10.00-11.00 LECTURE AGING LECTURE HALL 1	11.00-12.00 LECTURE EMBRYOLOGY LECTURE HALL 1		12.30-1.30 LECTURE ORTHO LECTURE HALL 1	1.30-2.30 TUTORIAL	2.30-3.00 CUM IN TEN BATCHES
09-Nov-23	THU	8.00-9.00 LECTURE BIOCHEMISTRY LECTURE HALL 1	9.00-10.00 LECTURE EMBRYOLOGY LECTURE HALL 1	10.00-12.00 CPC			12.30-1.30 LECTURE SURGERY INT. ANATOMY LECTURE HALL 1	1.30-2.30 TUTORIAL	2.30-3.00 CUM IN TEN BATCHES
10-Nov-23	FRI	8.00-9.00 LECTURE PHYSIOLOGY LECTURE HALL 1	9.00-10.00 LECTURE HOLY QURAN LECTURE HALL 1	BREAK	10.30-11.30 LECTURE MEDICINE INT. PHYSIOLOGY LECTURE HALL 1	11.30-12.30 LECTURE BIOCHEMISTRY LECTURE HALL 1	12.30-1.00 SPARE		
11-Nov-23	SAT	8.00-9.00 LECTURE PATHOLOGY LECTURE HALL 1	9.00-10.00 LECTURE PERIs LECTURE HALL 1	10.00-11.00 LECTURE SURGERY INT. ANATOMY LECTURE HALL 1	11.00-12.00 LECTURE COM. MEDICINE LECTURE HALL 1	B R E A K	12.30-1.30 LECTURE MEDICINE INT. PHYSIOLOGY LECTURE HALL 1	1.30-2.30 LECTURE PERIs LECTURE HALL 1	2.30-3.00 CUM IN TEN BATCHES

ASSESSTEMENT POLICY

GRAND TESTS: To be held weekly on following dates

GT-1: 16th October, 2023

GT-2: 23rd October, 2023

GT-3: 30th October, 2023

GT-4: 6th November, 2023

Marking scheme for all GTs will be as follows:

Avicenna Medical & Dental College, Lahore

Marking Scheme for Integrated Module System

Block - 1

Subject	Theory			Practical			
	MCQs (1 marks)	SEQs (5 marks)	Marks	OSPE Stations		Practical (10 marks each)	Marks
	Test	Test	Test	Observed /Un Observed Stations (3 marks each)	Structured Viva Stations (10 marks each)	Test (05)	Test
				Test	Test		
Anatomy	16	3 x 5 = 15	31	3 x 3 = 9	1 x 4 = 4	2	15
Physiology	16	3 x 5 = 15	31	3 x 3 = 9	1 x 4 = 4	1.5	14.5
Biochemistry	16	3 x 5 = 15	31	3 x 3 = 9	1 x 4 = 4	1.5	14.5
Pathology	2		2				
Community Medicine	2		2				
Behavioural Sciences	1		1				
Pharmacology	2		2				
CSF				1 x 3 = 3	1 x 3 = 3		6
PERLs							
Total	55	45	100	30	15	5	50

MODULE EXAMS:

Marking scheme for module and block exams will be as follows:

Theme	Subject	Written Exam			Oral/Practical/Clinical Exam			
					OSPE/OSCE/Viva Stations			
		MCQ (1 mark)	SEQ (5 mark each)	Marks	OSPE (08 marks each) Observed	OSCE (08 marks each) Observed	Structured Viva (16 marks each)	Marks
Normal Structure	Anatomy & applied/clinical	16	2	26	1	-	1	24
Normal Function	Physiology & applied/clinical	31	4	51	4	-	1	48
	Biochemistry & applied/clinical	18	1	23	2	-	1	32
Disease Burden & Prevention	Community Medicine & Public Health	06		06	-	-	-	-
	Behavioral Sciences	02	-	02	-	-	-	-
Pathophysiology and Pharmacotherapeutics	Pathology	07	-	07	-	-	-	-
	Pharmacology	05	-	05	-	-	-	-
CFRC	CFRC-1-3	-	-	-	-	1	-	08
PERLs	PERLs-1-3	-	-	-	-	1	-	08
		85	7x5=35	**120**	7 Stations x 08 = 56	2 Stations x 08 = 16	3 Vivas x 16 = 48	**120**

ASSESSMENT STRATEGIES:

As assessment drives learning so assessment tools need to be in alignment with the domains of learning and instructional strategies. Both formative and summative assessments are encouraged. Formative assessments will be those written and practical tests whose weightage will not be included in the internal assessments. The summative assessment will comprise of internal assessment and professional examination. The weightage of internal assessment is 20% while that of professional examination is 80%.

Assessment tools for Theory

- Multiple Choice Questions (MCQ)
- Structured Essay Questions (SEQ)
- PERLs Portfolio Reflective Assignments

Assessment tools for Practical, Clinical and Human (soft) skills

- Objective Structured Practical Examination
- Structured Viva

• Logbook & clinical skills OSCE

• Portfolio

• Feedback (simple and/or 360 degree)

MODULAR & GENERAL EXAMINATION RULES AND REGULATIONS:

- Student must report to examination hall/venue, 30 minutes before the exam.
- Exam will begin sharp at the given time.
- No student will be allowed to enter the examination hall after 15 minutes of scheduled examination time.
- Students must sit according to their roll numbers mentioned on the seats.
- Cell phones are strictly not allowed in examination hall.
- If any student is found with cell phone in any mode (silent, switched off or on) he/she will be not be allowed to continue their exam.
- No students will be allowed to sit in exam without College Identity Card, College ID Card and Lab Coat
- Student must bring the following stationary items for the exam: Pen, Pencil, Eraser, and Sharpener.
- Indiscipline in the exam hall/venue is not acceptable. Students must not possess any written material or communicate with their fellow students.