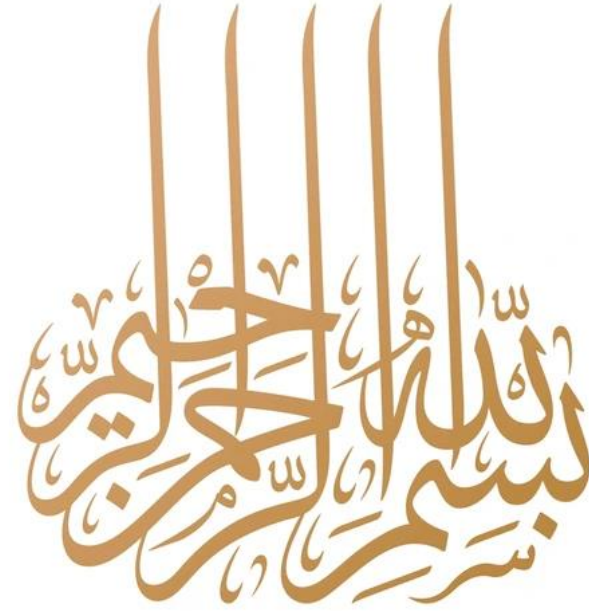




**Rawalpindi Medical University
Implementation Plan
Clinically Oriented Integrated Modular Curriculum 2024
Second Year MBBS**

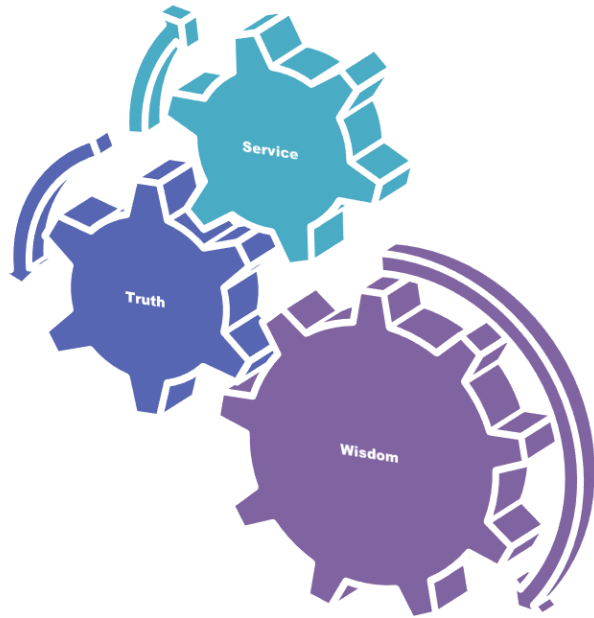




Dedicated to Hazrat Muhammad (S.A.W)

University Moto, Vision, Values & Goals

RMU Motto



Vision and Values

Highly recognized and accredited center of excellence in Medical Education, using evidence-based training techniques for development of highly competent health professionals, who are critical thinkers, experiential self-directed lifelong learners and are socially accountable

Mission Statement

To impart evidence-based research-oriented health professional education in order to provide best possible patient care and inculcate the values of mutual respect, ethical practice of healthcare and social accountability.

Goals of the Undergraduate Integrated Modular Curriculum

The Undergraduate Integrated Learning Program is geared to provide you with quality medical education in an environment designed to:

- Provide thorough grounding in the basic theoretical concepts underpinning the practice of medicine.
- Develop and polish the skills required for providing medical services at all levels of the Health care delivery system.
- Help you attain and maintain the highest possible levels of ethical and professional conduct in your future life.
- Kindle a spirit of inquiry and acquisition of knowledge to help you attain personal and professional growth & excellence.

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 **SECTION-I**

Introduction

Preamble

In commitment to enhancing medical education, Rawalpindi Medical University Implements an integrated curriculum for first-year MBBS students, designed to transform and enrich their learning experience. This innovative curriculum will seamlessly integrate foundational subjects—Anatomy, Physiology, and Biochemistry—with clinical practice, providing a more holistic understanding of medicine from the outset. By structuring the curriculum around thematic modules that reflect the interconnected nature of bodily systems and clinical conditions, we aim to create a cohesive educational journey. This approach will enable students to see the practical relevance of their theoretical studies through case-based learning, where real-world clinical cases are used to explore and apply core scientific principles. The curriculum will emphasize active learning strategies, including collaborative problem-solving, hands-on practical experiences, and regular assessments with constructive feedback, to ensure deep engagement and continuous improvement. Interdisciplinary collaboration among faculty will further enrich the learning experience, offering diverse perspectives and a unified approach to medical education. Through this integrated curriculum, we aspire to produce well-rounded medical professionals who are adept at linking theory to practice and are prepared to tackle the complexities of modern healthcare with competence and confidence



SECTION-II

Structured Framework of Clinically Oriented Integrated Modular Curriculum 2024

Structured Framework of Clinically Oriented Integrated Modular Curriculum 2024

Sr. No	Class	Module	Duration	Block
1.	First Year MBBS	Foundation Module	6 weeks	Block-I
		MSK-I Module	5 weeks	
		MSK-II Module	5 weeks	Block -II
		Blood & immunity Module	5 weeks	
		CVS Module	6 weeks	Block -III
		Respiration Module	5 weeks	
		General Education Cluster Module	1 week	
2.	Second Year MBBS	Gastrointestinal tract Module	5 weeks	Block-I
		Renal module	5 weeks	Block -II
		Reproduction Module	4 weeks	
		Central nervous system module	6 weeks	Block -III
		Special Senses Module	4 weeks	
		Endocrinology Module	5 weeks	
3.	Third Year MBBS	Foundation I	4 weeks	Block-I
		Foundation II	4 weeks	
		GIT, Hepatobiliary & Parasitology	5 weeks	Block -II
		Microbes & Antimicrobials	7 weeks	
		Hematology, Immunology & Research	5 weeks	Block -III
		CVS & Respiration	5 weeks	
4.	Fourth Year MBBS	Otorhinolaryngology 1	2.5 weeks	Block-I
		Otorhinolaryngology II	3 weeks	
		Ophthalmology I	2.5 weeks	Block -II
		Ophthalmology II	3 weeks	
		Endocrinology	5 weeks	Block -III
		Population Health & Reproduction	6 weeks	
		Renal	4 weeks	Block -IV
		CNS & Psychiatry	6 weeks	
5.	Final Year MBBS	Medicine & Allied	12 weeks	Block-I
		Surgery & Allied	12 weeks	Block-II
		Gynae & Peads	12 weeks	Block-III

Second Year Academic Calendar 2024

Blocks	Block-I						Block II				Block III				Schedule of Send Up and Professional Examination		
Module	Renal (04 Weeks)						CNS										
Duration in Weeks / Days																	
Dates																	
26 th -Feb – 30 th March 2024	GIT Module						Module Assessments				Special Senses				Prep leaves for send up		
01 st April – 03 rd April, 2024	Module Assessment						CNS Module				Module Assessment				Send up		
05 th April – 13 th April 2024	Spring Vacation						Module Assessment				Endocrinology				Prep Leaves for Professional Examination		
18 th April – 20 th April 2024	Renal						Block Assessment				Module Assessment				Professional Examination		
22 nd April – 27 th April 2024	Renal						Reproduction				Block Assessment				Professional Examination		
29 th April – 04 th May 2024	Student Week						Summer Vacation										
06 th May – 16 th May 2024	Renal						Module Assessments										
17 th May – 23 rd May 2024	Module Assessment						CNS										
24 th May – 28 th May 2024	Block Assessment						Module Assessment										
29 th May – 26 th June 2024	Reproduction						Block Assessment										
17 th June – 20 th July 2024	Summer Vacation																
22 nd July – 27 th July 2024							Module Assessments										
29 th July – 31 st August 2024							CNS Module										
02 nd Sep – 07 th Sep 2024							Module Assessment										
09 th Sep – 11 th Sep 2024							Block Assessment										
12 th Sep – 2 nd Oct 2024							Special Senses										
03 rd Oct – 10 th Oct 2024							Module Assessment										
11 th Oct – 08 th Nov 2024							Endocrinology										
09 th Nov – 15 th Nov 2024							Module Assessment										
16 th Nov – 20 th Nov 2024							Block Assessment										
21 st Nov – 30 th Nov 2024							Prep leaves for send up										
01 st Dec – 13 th Dec 2024							Send up										
14 th Dec 2024 – 01 st Jan 2025							Prep Leaves for Professional Examination										
02 nd Jan 2025 – 25 th Jan 2025							Professional Examination										

*Note: All dates are subject to change.

Contact Hour Distribution for Core Subjects

Second Year MBBS

Teaching Hours 2 nd Year MBBS							
Blocks	Modules	Anatomy	Physiology	Biochemistry	Total	Total Hours	Percentage
Block-I	GIT	103	118	29	250	414	38
	Renal	50	86	28	164		
Block-II	Reproduction	58	74	22	154	339	31
	CNS	45	113	27	185		
Block-III	Special Senses	74	24	55	153	333	
	Endocrinology	74	30	76	180		
Total Hours Per Subject		404	445	237	1086		100
Percentage		37	41	22	100		

Discipline Wise Clinical Teaching Hours for Second Year MBBS

Sr. No	Discipline	Contact Hours
1.	Psychiatry	1
2.	Community Medicine	10
3.	Medicine	15
4.	Bioethics	9
5.	Surgery	17
6.	Pathology	10
7.	Pharmacology	3
8.	Radiology	7
9.	Pediatrics	5
10.	Family Medicine	4
11.	Quran Translation	11
12.	Islamiyat	12
13.	Pak Studies	10
14.	Research Club activity	5
15.	Eye	4
16.	ENT	3
17.	Behavioral Sciences	3
18.	Gynae/Obstetrics	4
Total Hours		103 Hours



SECTION-III

Teaching and Learning Methodologies / Strategies

Teaching and Learning Methodologies / Strategies

Large Group Interactive Session (LGIS)

The large group interactive session is structured format of Prof Umar Model of Integrated lecture. It will be followed for delivery of all LGIS. The lecturer will introduce a topic or common clinical condition and explains the underlying phenomena through questions, pictures, videos of patients, interviews, and exercises, etc. Students are actively involved in the learning process.

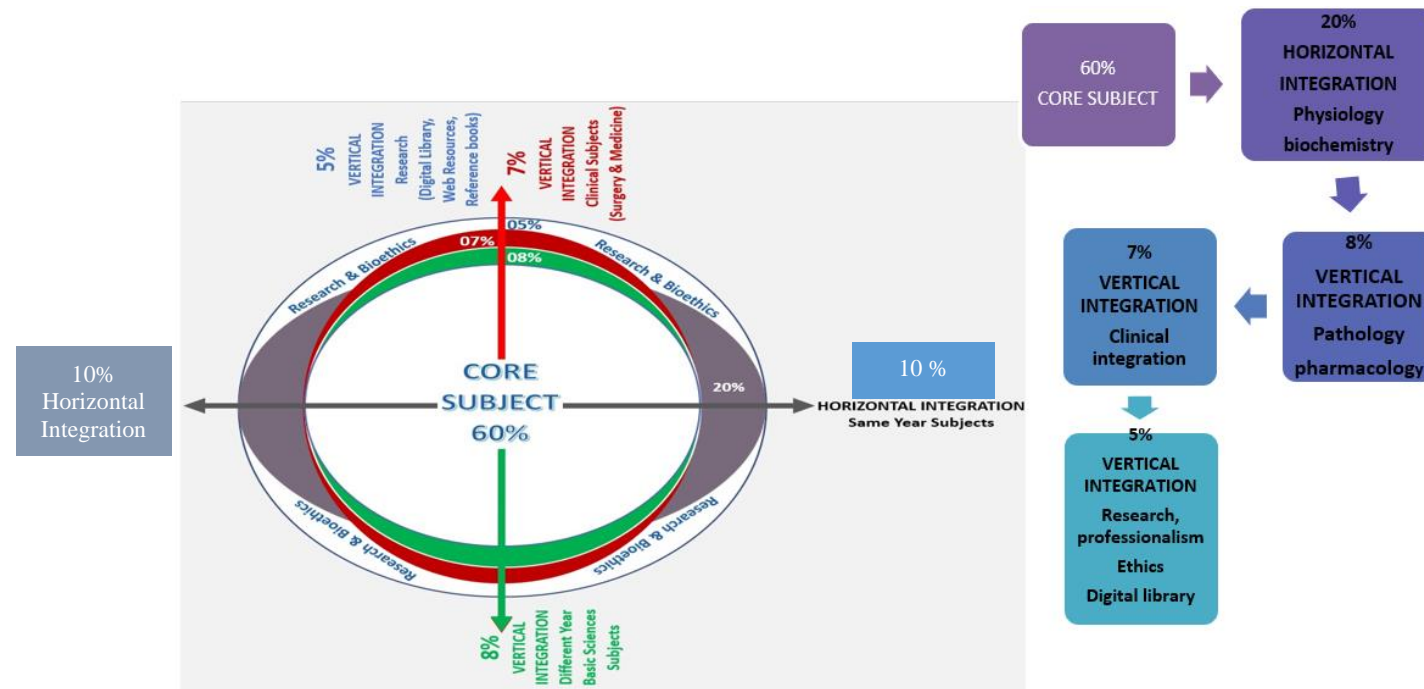


Figure 1. Prof Umar's Model of Integrated Lecture

Small Group Discussion (SGD)

This format helps students to clarify concepts acquire skills and attitudes. Sessions are structured with the help of specific exercises such as patient case, interviews or discussion topics or power point presentations. Students exchange opinions and apply knowledge gained from lectures, SGDs and self study. The facilitator role is to ask probing questions, summarize and help to clarify the concepts.

Table 2. Standardization of teaching content in Small Group Discussions

S. No	Topics	Approximate %
1	Title Of SGD	
2	Learning Objectives from Study Guides	
3	Horizontal Integration	5%+5%=10%
4	Core Concepts of the topic	60%
5	Vertical Integration	20%
6	Related Advance Research points	3%
7	Related Ethical points	2%

Table 3. Steps of Implementation of Small Group Discussions

Step 1	Sharing of Learning objectives by using students Study guides	First 5 minutes
Step 2	Asking students pre-planned questions from previous teaching session to develop co-relation (these questions will be standardized)	5minutes
Step 3	Students divided into groups of three and allocation of learning objectives	5minutes
Step 4	ACTIVITY: Students will discuss the learning objectives among themselves	15 minutes
Step 5	Each group of students will present its learning objectives	20 min
Step 6	Discussion of learning content in the main group	30min
Step 7	Clarification of concept by the facilitator by asking structured questions from learning content	15 min
Step 8	Questions on core concepts	
Step 9	Questions on horizontal integration	
Step 10	Questions on vertical integration	
Step 11	Questions on related research article	
Step 12	Questions on related ethics content	
Step 13	Students Assessment on online MS teams (5 MCQs)	5 min
Step 14	Summarization of main points by the facilitator	5 min
Step 15	Students feedback on the SGD and entry into log book	5 min
Step 16	Ending remarks	

Self-Directed Learning (SDL)

- Self-directed learning is a process where students take primary charge of planning, continuing, and evaluating their learning experiences.
- Time Home assignment
- Learning objectives will be defined
- Learning resources will be given to students = Textbook (page no), web site
- Assessment:
 - i Will be online on LMS (Mid module/ end of Module)
 - ii.OSPE station

Case Based Learning (CBL)

- It's a learner centered model which engages students in discussion of specific scenarios that typically resemble real world examples.
- Case scenario will be given to the students
- Will engage students in discussion of specific scenarios that resemble or typically are real-world examples.
- Learning objectives will be given to the students and will be based on
 - i. To provide students with a relevant opportunity to see theory in practice
 - ii. Require students to analyze data in order to reach a conclusion.
 - iii. Develop analytic, communicative, and collaborative skills along with content knowledge.

Problem Based Learning (PBL)

- Problem-based learning (PBL) is a student-centered approach in which students learn about a subject by working in groups to solve an open-ended problem.
- This problem is what drives the motivation and the learning.

The 7- Jump-Format of PBL (Maastricht Medical School)	
Step 7	Synthesize & Report
Step 6	Collect Information from outside
Step 5	Generate learning Issues
Step 4	Discuss and Organize Ideas
Step 3	Brainstorming to Identify Explanations
Step 2	Define the Problem
Step 1	Clarify the Terms and Concepts of the Problem Scenario
Problem- Scenario	

Figure 2. PBL 7 Jumps Model

Practical Sessions/Skill Lab (SKL)

Practical Session/ Skill Lab (SKL)	
Demonstration/ power point presentation 4-5 slide	10-15 minutes
Practical work	25-30 minutes
Write/ draw and get it checked by teacher	20-25 minutes
05 mcqs at the end of the practical	10 minutes
At the end of module practical copy will be signed by head of department	
At the end of block the practical copy will be signed by	
Head of Department	
Dean	
Medical education department	
QEC	



SECTION-IV

Clinically Oriented Integrated Modular Curriculum

 **BLOCK-I**

(Gastrointestinal Tract Module + Renal Module)

Integrated Clinically Oriented Modular Curriculum for Second Year MBBS

GIT Module Time Table

Second Year MBBS

Session 2023 - 2024

Batch- 50

GIT Module Team

Module Name : GIT Module
 Duration of module : 06 Weeks
 Coordinator : Dr. Uzma Kiyani
 Co-coordinator : Dr. Minahil Haq
 Reviewed by : Module Committee

Module Committee		Module Task Force Team	
Vice Chancellor RMU	Prof. Dr. Muhammad Umar	Coordinator	Dr. Uzma Kiyani (Senior Demonstrator of Physiology)
Director DME	Prof. Dr. Rai Muhammad Asghar	DME Focal Person	Dr. Sidra Hamid (DHPE)
Convener Curriculum	Prof. Dr. Naeem Akhter	Co-coordinator	Dr. Shazia Nosheen (Senior Demonstrator of Physiology)
Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	Co-Coordinator	Dr. Minahil Haq (Senior Demonstrator of Anatomy)
Additional Director DME	Prof. Dr. Ifra Saeed	Co-coordinator	Dr. Uzma Zafar (APWMO of Biochemistry)
Chairperson Physiology	Prof. Dr. Samia Sarwar		
Chairperson Biochemistry	Dr. Aneela Jamil	DME Implementation Team	
		Director DME	Prof. Dr. Rai Muhammad Asghar
Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem	Implementation Incharge 1st & 2 nd Year MBBS & Add. Director DME	Prof. Dr. Ifra Saeed
Focal Person Physiology	Dr. Sidra Hamid	Module planner & Implementation Coordinator	Dr. Sidra Hamid
Focal Person Biochemistry	Dr. Aneela Jamil	Editor	Muhammad Arslan Aslam
Focal Person Pharmacology	Dr. Zunera Hakim		
Focal Person Pathology	Dr. Asiya Niazi		
Focal Person Behavioral Sciences	Dr. Saadia Yasir		
Focal Person Community Medicine	Dr. Afifa kalsoom		
Focal Person Quran Translation Lectures	Dr. Uzma Zafar		
Focal Person Family Medicine	Dr. Sadia Khan		

Discipline Wise Details of Modular Content

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy	
1	Anatomy	-	Tongue, Body Cavities, Gastrointestinal System	Digestive Tract & associated organs (Junqueira)	Oral Cavity, Abdomen and associated viscera	
	Biochemistry	Carbohydrate metabolism, GIT digestive juices, Digestion and absorption, GIT Hormones LFTs, Jundice & Nutrition,				
	Physiology	General Principles of Gastrointestinal Function—Motility, Nervous Control, and Blood Circulation Propulsion and Mixing of Food in the Alimentary Tract Secretory Functions of the Alimentary Tract, Digestion and Absorption in the Gastrointestinal Tract Physiology of Gastrointestinal Disorders				
	Orientation Session					
	Department of Medical Education (DME)	<ul style="list-style-type: none"> • Orientation Session on Curricular Reform RMU & Feedback of Year 2023 • Student Session on Standardization of Teaching Strategies 				
	Spiral Courses					
	The Holy Quran Translation	The Holy Quran Translation Component <ul style="list-style-type: none"> • Imaniat I • Ibadat I • Ibadaat-II • Imaniyaat-II • Ibadaat-III • Imaniat-III 				
	Pak Studies/Islamiyat	<ul style="list-style-type: none"> • Tehreek-E-Pakistan Islaahi Tehreekain • Akhirat-I • Toheed • Qayam e Pakistan, Aghraaz o Maqasid • Tehreek-e-Aligarh, Sir Syed Ahmad Khan • Akhirat -II 				
	Bioethics & Professionalism	<ul style="list-style-type: none"> • Pakistan Medical & dental council Code of Ethics 				
	Research (IUGRC)	<ul style="list-style-type: none"> • Introduction to descriptive statistics (Research-I) • Classification of different types of Data (Research-II) • Scales of Data measurement (Research-III) • Measures of central Tendency (Research-IV) 				

	<ul style="list-style-type: none"> • Compute & Interpret measures of central tendency (Research-V) • Measure of dispersion/ Secondary data Analysis (Research-VI)
Radiology & Artificial Intelligence	<ul style="list-style-type: none"> • Medical imaging of abdomen- I • Medical imaging of abdomen-II
Family Medicine	<ul style="list-style-type: none"> • Common Abdominal diseases
Behavioral Sciences	<ul style="list-style-type: none"> • Eating Disorders
Vertical Integration	
<p>Clinically content relevant to GIT module</p> <ul style="list-style-type: none"> • Concept of health & disease (Community medicine) • Epidemiology of infectious diseases & Basic Concepts (Community medicine) • Peptic ulcer (Medicine) • Jaundice (Medicine) • Irritable Bowel Syndrome (Medicine) • Antidiarrheal drugs & drugs for Peptic Ulcer Disease (Pharmacology) • Acute & Chronic Diarrhea (Pediatrics) • Common GIT problems in pregnancy (Hyperemesis gravidarum, GERD, Constipation, hemorrhoids) (Gynae and OBS) 	

Categorization of Modular Content

Anatomy:

CATEGORY A	CATEGORY B	CATEGORY C				
Special Embryology	Special Histology	Demonstrations	Practical's	CBL	SSDL	SDL
Development Of - Tongue, - Salivary Glands - Esophagus & Stomach - Liver - Gallbladder & Pancreas - Small Intestine - Large Intestine	Histological Features Of - Tongue, - Salivary Glands -General Structure of GIT - Esophagus & Stomach - Liver - Gallbladder & Pancreas - Small Intestine - Large Intestine	Gross Anatomy: -Topographical Organization Of GIT -Oral Cavity -Tongue - Salivary Glands -Anterolateral Abdominal Wall -Rectus Sheath -Inguinal Region & Hernias - Testes -Scrotum -Peritoneum & Peritoneal Cavity -Subdivisions of Peritoneal Cavity -Esophagus -Stomach -Small & Large Intestines -Liver -Gallbladder -Biliary Apparatus -Spleen -Pancreas -Vasculature of GIT -Portosystemic Anastomosis -Rectum -Anal Canal -Innervation of Abdominal Viscera	<ul style="list-style-type: none"> • Histology of Tongue & Salivary glands • Esophagus & Stomach • Liver & Gallbladder • Small Intestine • Large Intestine 	<ul style="list-style-type: none"> • Acute Appendicitis • Liver & Portal Hypertension 	<ul style="list-style-type: none"> • Subdivission of Pretonial Cavity • Liver-II (Functional Sagments) • Spleen • Pancrease 	<ul style="list-style-type: none"> • Anteriolateral Abdominal Wall • Rectus Sheath • Peritoneum & Peritoneal Cavity • Small Intestine • Large Intestine • Liver & Pancrease • Blood Supply, Venous drainage, Lymphatic drainage • Rectum & Anal Canal • Innervation of Abdominal Vessras
	Development of Body Cavities Histology Of Liver					

Category A: By Professors

Category B: By Associate & Assistant Professors

Category C: By Senior Demonstrators

Teaching Staff / Human Resource of Department of Anatomy

Sr. #	Designation of Teaching Staff / Human Resource	Total Number of Teaching Staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	38 hours
2.	Small Group Discussions (SGD)	31 hours
	Supervised Self-Directed Learning (SSDL)	6 hours
3.	Practical / Skill Lab	37.5 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	19 hours
2.	Small Group Discussions (SGD)	31 hours
	Supervised Self-Directed Learning (SSDL)	6 Hours
3.	Practical / Skill Lab	7.5 hours
4.	Self-Directed Learning (SDL)	20 hours

Physiology:

Category A	Category B	Category C
Introduction to GIT, electrical activity in GIT, Enteric Nervous System and GIT reflexes (Dr. Samia Sarwar)	Saliva and mastication, stages of swallowing, clinical disorders of esophagus and swallowing, achalasia and vomiting (Dr. Shazia)	PBL:
Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease) (Dr. Samia Sarwar)	Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT (Dr. Aneela)	CBL: Peptic Ulcer Food poisoning
	Motor functions of stomach, physiology of regulation of gastric emptying (Dr. Shazia)	Practical: Sense of taste Sense of smell Examination of superficial reflexes (CNS) Examination of deep reflexes Performance of axon reflex (triple response of skin)
	Physiology of liver and gall bladder, liver and biliary secretion(Dr. Aneela)	SGD: Saliva and mastication, stages of swallowing, clinical disorders of esophagus and swallowing, achalasia and vomiting Motor functions of stomach, physiology of regulation of gastric emptying Physiology of liver and gall bladder, liver and biliary secretion
	Gastric secretion, digestion in stomach, peptic ulcer and gastritis (Dr. Shazia)	SDL: Introduction to GIT, electrical activity in GIT, Enteric Nervous System and GIT reflexes Gastric secretion, digestion in stomach, peptic ulcer and gastritis Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease) Intestinal secretion and its functions, pancreatic juice, its composition and functions Pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose) Motor function of large gut, defecation reflex
	Liver function tests, types of jaundice, pathophysiology of cirrhosis and portal hypertension (Dr. Aneela)	
	Intestinal secretion and its functions, pancreatic juice, its composition and functions, pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose) (Dr. Aneela)	
Motor function of large gut, defecation reflex and pathophysiology (diarrhea, constipation , ulcerative colitis, mega colon and carcinoma of colon) (Dr. Shazia)		
		Pathophysiology (diarrhea, constipation , ulcerative colitis, mega colon and carcinoma of colon)

Category A: By HOD and Associate Professor

Category B: By All (HOD, Associate, Assistant, Senior Demonstrators)

Category C: By Demonstrators and Residents

Teaching Staff / Human Resource of Department of Physiology

Sr. #	Designation Of Teaching Staff / Human Resource	Total Number of Teaching Staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01 (DME)
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	08

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type oTeaching Strategies	Total Hours
1.	Large Group Interactive Session (Lectures)	22 hours
2.	Small Group Discussions (SGD)/CBL	38.5 hours
3.	Problem Based Learning (PBL)	2.5 hours
4.	Practical / Skill Lab	38.5 hours
5.	Self-Directed Learning (SDL)	17 hours

Biochemistry:

CATEGORY A	CATEGORY B	CATEGORY C
Introduction to Carbohydrate metabolism	Saliva	PBL: GERD (Gastroesophageal Reflux Disease)
Glycolysis Fate of Pyruvate	Gastric Juice	CBL: G6PDH Deficiency Lactose Intolerance
Gluconeogenesis Metabolism of Individual sugars	Bile & Pancreatic Juice	Practical: Saliva Bile Analysis Of Food Components (Wheat)
TCA cycle	Nutrition	SGD: Gluconeogenesis and Its Regulation Jaundice And LFTs
Glycogen metabolism	GIT Hormones & Succus Entericus	
LFTS, Jaundice		
Digestion And Absorption of Carbohydrates, Proteins and Lipids		

Category A*: By Assistant Professor & Senior Demonstrators with Postgraduate Qualification

Category B:** By Senior Demonstrators

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation of Teaching Staff / Human Resource	Total Number of Teaching Staff
1	Assistant Professor of Biochemistry Department (AP)	01
2	Demonstrators of Biochemistry Department	06

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	20 hours	10 hours
2.	Small Group Discussions (SGD)	38 hours	7.5 hours
4.	Practical / Skill Lab	38 hours	7.5 hours
5.	Self-Directed Learning (SDL)	4 hours	05 hours

Time Table for GIT Module (First Week)
(26-02-2024 to 02-03-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)		
26-02-2024 MONDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		Break	DME (LGIS)		BIOCHEMISTRY LGIS		DISSECTION/SGD Topographical Organization of GIT Refere to Table No. 1	SDL Physiology Enteric Nervous System
		Introduction to GIT Electrical Activity in GIT, Enteric Nervous System & GIT Reflexes	Saliva &Mastication, Stages ofSwallowing, Clinical DisordersofEsophagus &Swallowing, Achalasia & Vomiting		Orientation Session on Curricular Reform RMU & Feedback of Year 2023	Introduction to Carbohydrate Metabolism	Saliva			
27-02-2024 TUESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		BIOCHEMISTRY LGIS		DISSECTION/SGD Oral Cavity, Tongue and Salivary Glands Refere to Table No.	SDL Physiology GIT Reflexes
		Saliva & Mastication, Stages of Swallowing, Clinical Disorders of Esophagus & Swallowing, Achalasia &Vomiting	Introduction to GIT Electrical Activity in GIT, Enteric Nervous System & GIT Reflexes		Development of Tongue	Histology of Tongue	Carbohydrate Metabolism	Saliva		
28-02-2024 WEDNESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	BIOCHEMISTRY LGIS		Break	ANATOMY LGIS		DME (LGIS)		DISSECTION/SGD Anterolateral Abdominal Wall Refere to Table No.1	SDL Biochemistry Glycolysis
		Metabolism of Monosaccharide & Disaccharide (Fructose, Lactose, Galactose)	Glycolysis		Histology of Tongue	Development of Tongue	Student Session on Standardization of Teaching Stratigies & feedback of year 2024 with Worthy Vice Chancellor			
29-02-2024 THURSDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	COMMUNITY MEDICINE LGIS		Break	ANATOMY LGIS		BIOCHEMISTRY LGIS		DISSECTION/SGD Rectus Sheath Refere to Table No.1	SDL Anatomy Anterolateral Abdominal Wall
		Concept of Health & Disease	Epidemiology of Infectious Diseases& Basic Concepts		Development of Salivary Glands	Histology Salivary Glands	Glycolysis	Metabolism of Monosaccharide & Disaccharide (Fructose, Lactose, Galactose)		
01-03-2024 FRIDAY	8:00-9:00AM		9:00-10:00AM		10:00-11:00AM		11:00-12:00PM		DISSECTION/SGD	
	ANATOMY LGIS		BIOCHEMISTRY LGIS		QURAN TRANSLATION I		COMMUNITY MEDICINE LGIS			
	Histology Salivary Glands	Development Of Salivary Glands	Fate of Pyruvate	Gluconeogenesis	Imaniat I	Ibadat I	Epidemiology of Infectious Diseases Basic Concepts	Concept of Health & Disease		
Ass. Prof. Dr Maria (Even)	Prof. Dr Ifra (Odd)	Dr Uzma Zafar (Even)	Dr. Aneela (Odd)	Mufti Naeem Sherazi (Even)	Dr. Fahd Anwar (Odd)	Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)			
02-03-2024 SATURDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	BEHAVIORAL SCIENCES		10:10am – 10:30am		PBL SESSION – I		Elections		SDL Anatomy Rectus Sheath
		Eating Disorders		Break	PBL SESSION – I Team Leader Dr. Sidra Hamid					
Dr. Sadia Yasir (Even)	Dr. Zona Tahir (Odd)				Physiology Batch Teachers Of 2 nd Year					

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion								
			<ul style="list-style-type: none"> Histology Of Tongue and Salivary Glands (Anatomy Histology Practical) Venue- Histology Lab-Dr Gaiti Ara Saliva I (Biochemistry Practical) Venue- Biochemistry Laboratory Sense Of Taste (Physiology Practical) Venue – Physiology Lab 	Day	Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD
Sr. No	Batch	Roll No.			Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch
1.	A	01-70	Dr. Gaiti Ara	Monday	C	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D	C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E	D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A	E	Dr. Romessa	C	Dr. Nayab	E	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs with Venue		Batches	Roll No	Anatomy Teacher	Venue
<ul style="list-style-type: none"> Physiology SGD: Saliva and mastication, stages of swallowing, clinical disorders of esophagus and swallowing, achalasia and vomiting Saliva Venue - Lecture Hall No 5 Biochemistry SGD: Saliva Venue - Lecture Hall No 2 	A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01	
	B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04	
	C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Sidra Hamid (Assitant Professor Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for GIT Module (Second Week)
(04-03-2024 to 09-03-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)		
04-03-2024 MONDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		BIOCHEMISTRY LGIS	BIOETHICS LGIS & RESEARCH-I LGIS		DISSECTION/SGD	SDL Physiology Control Of GI Motility & Factors Affecting GIT Blood Flow		
		Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT	Motor functions of stomach, physiology of regulation of gastric emptying		Gluconeogenesis	Fate Of Pyruvate			Pakistan Medical & Dental Council Code of Ethics	Introduction to Descriptive Statistics
05-03-2024 TUESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		ANATOMY LGIS	BIOCHEMISTRY LGIS		DISSECTION/SGD	SDL Physiology Swallowing		
		Motor functions of stomach, physiology of regulation of gastric emptying	Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT		Development Of Esophagus & Stomach-1	Histology General Structure of GIT & Esophagus			Function Of NADPH & Deficiency of G6PD	Citric Acid Cycle
06-03-2024 WEDNESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		ANATOMY LGIS	Disection & Spotting		DISSECTION/SGD	SDL Biochemistry TCA Cycle		
		Physiology of liver and gall bladder, liver and biliary secretion	Gastric secretion, digestion in stomach, peptic ulcer and gastritis						Histology General Structure of GIT & Esophagus	Development Of Esophagus & Stomach-1
07-03-2024 THURSDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		PHYSIOLOGY SGD		BIOCHEMISTRY LGIS		SSDL		
		Gastric secretion, digestion in stomach, peptic ulcer and gastritis	Physiology of liver and gall bladder, liver and biliary secretion	Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT		Citric Acid Cycle	Function of NADPH & Deficiency of G6PD		SDL Anatomy Inguinal Region Canal and Hernias	
08-03-2024 FRIDAY	8:00-9:00am		9:00-10:00am		10:00-11:00am		11:00-12:00pm			
	DIGITAL LITRACY MODULE		ANATOMY LGIS		Quran Translation - II		Quran Translation - II			
	RMU Goes digital	Development of Stomach-2	Histology of Stomach	Ibadaat-2	Imaniyaat-2	Ibadaat-2	Imaniyaat-2			
Director IT Hafiz Shahid Rasool	Mr Haider	Prof. Dr. Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Dr Fahd (Even)	Mufti Naeem Sherazi (Odd)	Dr Fahd (Odd)	Mufti Naeem Sherazi (Even)			
09-03-2024 SATURDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	RADIOLOGY & ARTIFICIAL INTELLIGENCE (LGIS)		BIOCHEMISTRY LGIS	ANATOMY LGIS		BIOCHEMISTRY LGIS		DISSECTION/SGD	
		Medical Imaging of abdomen-I			Histology Of Stomach	Development of Stomach-2	Glycogen Metabolism	Gastric Juice		SDL Anatomy Peritoneum & Peritoneal Cavity
		Dr. Qurat ul Ain (Even)	Dr. Aniqua Saleem (Odd)		Ass. Prof. Dr Maria (Even)	Prof. Dr. Ifra (Odd)	Dr. Aneela (Even)	Dr. Almas (Odd)		
Online LMS Assessment Will be Conducted on 09-03-2024, Saturday at 8:30 pm										

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion										
					Day	Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD	
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Esophagus & Stomach (Anatomy Histology Practical) Venue- Histology lab-Dr Minahil Haq Saliva II (Biochemistry Practical) Venue- Biochemistry laboratory Sense of Smell (Physiology Practical) Venue – Physiology Lab 		Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70			Monday	C	Dr Minahil Haq	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140			Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210			Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280			Thursday	B		A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards			Saturday	A		E	Dr. Romessa	C	Dr. Nayab	E	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue
A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01
B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04
C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Sidra Hamid (Assitant Professor Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for GIT Module (Third Week) (11-03-2024 to 16-03-2024)

The Holy Month of Ramzan Observed
Timing are from 08:00AM – 01 :00PM

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:10am	11:10am-11:50am	11:50am – 01:00pm	Home Assignments (2HRS)								
11-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	PHYSIOLOGY LGIS		Break	PHYSIOLOGY SDL-I		BIOCHEMISTRY LGIS		DISSECTION/SGD		SDL Physiology Clinical disorders of Esophagus & Swallowing., Achalasia/ vomiting				
		Liver function tests, types of jaundice, pathophysiology of cirrhosis and portal hypertension	Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease)		Introduction to GIT, electrical activity in GIT, Enteric Nervous System and GIT reflexes		Gastric Juice	Glycogen Metabolism	Small intestine (Duodenum) Refer to Table No.1						
		Dr. Aneela (Even)	Prof. Dr. Samia Sarwar / Dr. Shazia (Odd)		Dr. Uzma (Even)	Dr. Fareed (Even)	Dr. Almas (Even)	Dr. Aneela (Odd)							
12-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		RESEARCH -I & BIOETHICS		DISSECTION/SGD		SDL Physiology Motor function of stomach				
		Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease)	Liver function tests, types of jaundice, pathophysiology of cirrhosis and portal hypertension		Development of Liver & Biliary Apparatus	Histology of Liver	Introduction to descriptive statistics	Pakistan Medical & dental council Code of Ethics	Small intestine (Jejunum & ileum) Refer to Table No.1						
		Prof. Dr. Samia Sarwar / Dr. Shazia (Even)	Dr. Aneela (Odd)		Prof. Dr. Ifra (even)	Prof. Dr. Ayesha / Dr. Maria (Odd)	Dr. Rizwana Shahid (Even)	Dr. Sidra Hamid (Odd)							
13-03-2024 WEDNESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	RESEARCH-II LGIS		Break	ANATOMY LGIS		BIOCHEMISTRY LGIS		DISSECTION/CBL		SDL Biochemistry Glycogen Metabolism				
		Classification of different types of data			Histology of Liver	Development of Liver & Biliary Apparatus	LFT's Jaundice	Bile & pancreatic juice	Liver-I CBL- Liver & portal Hypertension Refer to Table No.1						
		Dr. Rizwana Shahid (Even)	Dr. Asif (Odd)		Prof. Dr. Ayesha / Dr. Maria (even)	Prof. Dr. Ifra (Odd)	Dr. Nayab (Even)	Dr. Almas (Odd)							
14-03-2024 THURSDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	ANATOMY		Break	MEDICINE LGIS		PBL SESSION – II		SSDL		SDL Anatomy Small Intestine				
		Development of Gallbladder & Pancreas	Histology of Gallbladder & Pancreas		State Of The Art Lecture On Jaundice		PBL SESSION – II Team Leader Dr. Sidra Hamid		Liver II (Functional Sagment) Refer to Table No.1						
		Prof Dr Ifra (Even).	Ass. Prof. Dr Maria (Odd)		Worthy Vice Chancellor Prof. Dr. Muhammad Umar		Physiology Batch Teachers Of 2 nd Year								
15-03-2024 FRIDAY	8:00-9:00AM	9:00-10:00AM		10:00-11:00AM		11:00-12:00PM									
	DISSECTION	ANATOMY LGIS		QURAN TRANSLATION-III		QURAN TRANSLATION-III									
	Dissection / Spotting	Histology Of Gallbladder & Pancreas	Development Of Gallbladder & Pancreas	Ibadaat-3	Imaniat-3	Imaniat-3	Ibadaat-3								
	Ass. Prof. Dr Maria (Even)	Prof Dr Ifra (Odd)	Dr. Fahd Anwar (Even)	Mufti Naeem Sherazi (Odd)	Mufti Naeem Sherazi (Even)	Dr. Fahd Anwar (Odd)									
16-03-2024 SATURDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		PAK STUDIES/ISLAMIYAT			SDL EVALUATION		DISSECTION/SGD		SDL Anatomy Large Intestine Online SDL Evaluation	
		Intestinal secretion and its functions, pancreatic juice, its composition and functions, pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose)	Motor function of large gut, defecation reflex and pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and carcinoma of colon)		Development Of Small Intestine	Histology Of Small Intestine	Tehreek-E-Pakistan Islaahi Tehreekain	Akhi rat-I	Akhrt -I	TehreekE-Pakistan Islaahi Tehreekn	SDL Evaluation		Gallbladder & Biliary Apparatus		
		Dr Aneela (Even)	Dr Shazia (Odd)		Prof Dr Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Qari Aman Ullah (Even)	Mufi Naeem Sherazi (Odd) (Even)	Qari Aman Ullah (Odd)						
Online LMS Assessment Will be Conducted on 16-03-2024, Saturday at 8:30 pm															

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion																								
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Liver & Gall Bladder (Anatomy Histology Practical) Venue-Histology Laboratory-Dr Sadia Baqir Bile (Biochemistry Practical) Venue-Biochemistry Laboratory Examination of Superficial Reflexes (Physiology Practical) Venue – Physiology Lab 	Day	Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD															
				Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name															
1.	A	01-70	<ul style="list-style-type: none"> Physiology CBL: Peptic Ulcer (Venue: Lecture Hall No 5) Biochemistry SGD: Gluconeogenesis and Its Regulation (Venue: Lecture Hall No 2) Anatomy CBL: Liver and Portal Hypertension 	Monday	C	Dr Sadia Baqir	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma														
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas														
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa														
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab														
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	E	Dr. Kamil	B	Dr. Rahat														
<p align="center">Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections</p> <table border="1"> <thead> <tr> <th>Batches</th> <th>Roll No</th> <th>Anatomy Teacher</th> <th>Venue</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>01-120</td> <td>Dr. Gaiti Ara</td> <td>New Lecture Hall Complex 01</td> </tr> <tr> <td>B</td> <td>121-240</td> <td>Dr. Minahil Haq</td> <td>Anatomy Lecture Hall 04</td> </tr> <tr> <td>C</td> <td>241 onwards</td> <td>Dr Sadia Baqir</td> <td>Anatomy Lecture Hall 03</td> </tr> </tbody> </table>													Batches	Roll No	Anatomy Teacher	Venue	A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01	B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04	C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03
Batches	Roll No	Anatomy Teacher	Venue																									
A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01																									
B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04																									
C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03																									

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Sidra Hamid (Assitant Professor Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for GIT Module (Fourth Week)
(18-03-2024 to 23-03-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:10am	11:10am-11:50am	11:50am –01:00pm	Home Assignments(2HRS)		
18-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	PHYSIOLOGY LGIS		ANATOMY LGIS		PHYSIOLOGY SDL-II	SSDL	SDL Physiology Physiology of Liver / Gall Bladder, Liver and Biliary Secretion	
		Motor function of large gut, defecation reflex and pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and carcinoma of colon)	Intestinal secretion and its functions, pancreatic juice, its composition and functions, pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose)	Histology Of Small Intestine	Development Of Small Intestine	Gastric secretion, digestion in stomach, peptic ulcer and gastritis	Spleen		
19-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	BIOCHEMISTRY LGIS		RESEARCH-III LGIS		PHYSIOLOGY SDL-III	SSDL	SDL Physiology LFTs, Jaundice	
		Bile & Pancreatic Juice	LFT's Jaundice	Ass. Prof. Dr. Maria (Even)	Prof. Dr. Ifra(Odd)	Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease)	Pancreas		
20-03-2024 WEDNESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	FAMILY MEDICINE LGIS		PHYSIOLOGY SDL-IV		ANATOMY LGIS		CBL	SDL Biochemistry Individual Sugars
		Common Abdominal diseases		Intestinal secretion and its functions, pancreatic juice, its composition and functions	Development of Large Intestine	Histology of Large Intestine I	Large intestine CBL- Acute Appendicitis		
21-03-2024 THURSDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	BIOCHEMISTRY LGIS		ANATOMY LGIS		RESEARCH-IV		DISSECTION/ SGD	SDL Anatomy Liver and Pancreas
		Nutrition-I	GIT Hormones & Succusertericus	Histology of Large Intestine-I	Development of Large Intestine	Measures of central tendency	Vasculature of GIT (Blood Supply, Venous drainage, Lymphatic drainage)		
22-03-2024 FRIDAY	Practical & CBL / SGD Topic & Venue Mentioned at The End	9:20am - 10:00am	Physical Activity	10:00-11:00am		11:00-12:00pm		SDL Anatomy (Blood Supply, Venous drainage, Lymphatic drainage)	
				PAK STUDIES		ISLAMIYAT-I			
				Qayam e Pakistan, Aghraaz o Maqasid	Toheed				
23-03-2024 SATURDAY	Pakistan Day								

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
				Day	Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD	
Sr. No	Batch	Roll No.			Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name
1.	A	01-70	<ul style="list-style-type: none"> Histology of Small Intestine (Anatomy Histology Practical) Venue-Histology laboratory-Dr Tariq Furqan Estimation of ALT & ALP (wheat) (Biochemistry Practical) Venue-Biochemistry laboratory Examination of Deep reflexes (Physiology Practical) Venue – Physiology Lab 	Monday	C	Dr Tariq Furqan	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	E	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue
A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01
B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04
C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Maryam (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Almas (PBL) Dr. Najam-us-Sehar (SGD)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Muhammad Usman
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Nayab (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Rahat (PBL) Dr. Fareed Ullah (SGD)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for GIT Module (Fifth Week)

(25-03-2024 to 30-03-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:10am	11:10am-11:50am	11:50am – 01:00pm	Home Assignments(2HRS)		
25-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) & CBL/SGD Topic & venue mentioned at the end	PHYSIOLOGY SDL-V		BIOCHEMISTRY LGIS		ANATOMY LGIS		DISSECTION/SGD Radiological Anatomy	SDL Physiology Hormones of GIT
		Pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose)		GIT Hormones & Succusertericus	Nutrition-I	Development of Body Cavities-I	Histology of Large Intestine-II		
		Dr. Uzma (Even)	Dr. Fareed (Odd)	Dr. Almas (Even)	Dr. Rahat (Odd)	Prof Dr. Ifra Saeed (Even)	Prof. Dr. Ayesha / Ass. Prof Dr Maria (Odd)		
26-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) & CBL/SGD Topic & venue mentioned at the end	PHYSIOLOGY SDL-VI		ANATOMY LGIS		BIOCHEMISTRY LGIS		DISSECTION/SGD Rectum	SDL Physiology Digestion & Absorption
		Motor function of large gut, defecation reflex		Histology of Large Intestine-II	Development of Body Cavities-I	Digestion & Absorption-I	Nutrition-II		
		Dr. Shazia (Even)	Dr. Sheena (Odd)	Prof. Dr. Ayesha / Ass. Prof Dr Maria (Even)	Prof Dr. Ifra Saeed (Odd)	Dr. Kashif (Even)	Dr. Rahat (Odd)		
27-03-2024 WEDNESDAY	Practical (Supervised by Prof Ifra Saeed) & CBL/SGD Topic & venue mentioned at the end	ANATOMY LGIS		RESEARCH (LGIS)		BIOCHEMISTRY LGIS		DISSECTION/SGD Anal canal	SDL Biochemistry Lipid Digestion and Absorbstion Online Clinical Evaluation
		Development of body Cavities-II	Development of body Cavities-II	SRC (Teamwork, Professionalism)		Digestion and absorption-I	Nutrition-II		
		Prof. Dr. Ifra Saeed (Even)	Prof. Dr. Saima (Odd)	Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)	Dr. Kashif (Odd)	Dr. Rahat (Even)		
28-03-2024 THURSDAY	Practical (Supervised by Prof Ifra Saeed) & CBL/SGD Topic & venue mentioned at the end	PHYSIOLOGY SDL-VII		RESEARCH PRACTICAL SESSION I		BIOCHEMISTRY LGIS		DISSECTION/SGD Innervation of abdominal Viscera	SDL Anatomy Rectum & Anal canal
		Pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and carcinoma of colon)		Synopsis wrting session		Digestion & Absorption-II	Nutrition-III		
		Dr. Uzma (Even)	Dr. Fareed (Odd)	Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)	Dr. Kashif (Even)	Dr. Rahat (Odd)		
29-03-2023 FRIDAY	Practical (Supervised by Prof Ifra Saeed) & CBL/SGD Topic & venue mentioned at the end (Saturday Batch)	BIOCHEMISTRY LGIS		DISSECTION/SGD		11:00AM-12:00PM RADIOLOGY & ARTIFICIAL INTELLIGENCE (LGIS)		Medical Imaging of abdomen-II	
		Nutrition-III	Digestion & Absorption-II	Cross Sectional Anatomy		Medical Imaging of abdomen-II			
		Dr. Rahat (Even)	Dr. Kashif (Odd)						
30-03-2023 SATURDAY	Early Clinical Exposure* (Its Implementation will be explained on Implementation page) *		Break	Early Clinical Exposure* (Its Implementation will be explained on Implementation page) *				SDL Anatomy Innervation of abdominal Visceras	

Online LMS Assessment Will be Conducted on 30-03-2024, Saturday at 8:30 pm

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion									
			<ul style="list-style-type: none"> Histology of Large Intestine (Anatomy Histology Practical) Venue-Histology laboratory-Dr Gaiti Ara Analysis of food components (wheat) (Biochemistry Practical) Venue-Biochemistry laboratory Performance of Axon reflexes (Triple Response of Skin) (Physiology Practical) Venue – Physiology Lab 	Day	Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD	
Sr. No	Batch	Roll No.			Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		
1.	A	01-70		Dr Gaiti Ara	Monday	C	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140			Tuesday	D	C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210			Wednesday	E	D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280			Thursday	B	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards			Saturday	A	E	Dr. Romessa	C	Dr. Nayab	E	Dr. Kamil	B	Dr. Rahat
			Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections											
			Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue						
			<ul style="list-style-type: none"> Physiology CBL: Food Poisoning (Venue: Lecture Hall No 5) Biochemistry CBL: Lactose Intolerance (Venue: Lecture Hall No 2) 		A	01-120	Dr. Gaiti Ara	New Lecture Hall Complex 01						
					B	121-240	Dr. Minahil Haq	Anatomy Lecture Hall 04						
					C	241 onwards	Dr Sadia Baqir	Anatomy Lecture Hall 03						

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Nayab (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for GIT Module (Sixth Week)
(01-04-2024 TO 06-04-2024)

Date / Days	Tentative Exam Discipline Details	Time
01-04-2024 Monday	Anatomy Written	08:00am - 11:00am
02-04-2024 Tuesday	Biochemistry Written / Assessment of Clinical Subjects	08:00am - 11:00am
03-04-2024 Wednesday	Physiology Written / Video Assisted Quiz	08:00am - 02:00pm
04-04-2024 Thursday	Anatomy Viva Voce (Roll No 1-120) Physiology Viva Voce (Roll No 121-240) Biochemistry Viva Voce (Roll No.241-onwards)	08:00am - 02:00pm
05-04-20234 Friday	Anatomy Viva Voce (Roll No.241-onwards) Physiology Viva Voce (Roll No 1-120) Biochemistry Viva Voce (Roll No 121-240)	08:00am - 02:00pm
06-04-2024 Saturday	Anatomy Viva Voce (Roll No 121-240) Physiology Viva Voce (Roll No.241-onwards) Biochemistry Viva Voce (Roll No 1-120)	08:00am - 02:00pm

Note: Detailed notice regarding content, time and venue will be issued accordingly

Note: Timetable Subject to change according to the current circumstances.

Note: OSPE will be conducted in block exam.

Integrated Clinically Oriented Modular Curriculum for Second Year MBBS

Renal Module Time Table

Second Year MBBS

Session 2023 - 2024

Batch- 50

Renal Module Team

Module Name : Renal Module
 Duration of module : 05 Weeks
 Coordinator : Dr. Sheena Tariq
 Co-coordinator : Dr. Uzma Kiyani
 Reviewed by : Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Sheena Tariq (Senior Demonstrator of Physiology)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Ali Raza (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Rahat Afzal (Senior Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Uzma Kiyani (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			
7.	Focal Person Physiology	Dr. Sidra Hamid	DME Implementation Team		
			1.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.	Implementation Incharge 1st & 2 nd Year MBBS & Director DME	Prof. Dr. Ifra Saeed Dr. Farzana Fatima
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar			
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline wise Details of Modular Content

Block	Module	Embryology	Histology	Gross Anatomy	
I	<ul style="list-style-type: none"> Anatomy 	Embryology <ul style="list-style-type: none"> Kidney Ureter Urinary Bladder Urethra 	Histology <ul style="list-style-type: none"> Kidney Ureter Urinary Bladder 	<ul style="list-style-type: none"> Posterior Abdominal Wall & Organs of Urinary System 	
	<ul style="list-style-type: none"> Biochemistry 	<ul style="list-style-type: none"> Amino Acid Pool Protein Turn Over Nitrogen Balance & transport of Amino Acid, Urea Cycle & Disorder Amino Acid Metabolism Ammonia Toxicity Acid Base in Balance Serum Electrolyte 			
	<ul style="list-style-type: none"> Physiology 	<ul style="list-style-type: none"> Body Fluid Compartments, Volume & osmolarity of ECF NICF Physiology of Renal System, GFR Regulation of GFR & RBF Tubular Reabsorbtion & Scretion Micturition Reflex & Abnomalities Acid base balance 			
	Spiral Courses				
	<ul style="list-style-type: none"> The Holy Quran Translation 	<ul style="list-style-type: none"> Imaniat 3 Ibadat 3 Imaniat 4 Ibadat 4 			
	<ul style="list-style-type: none"> Bioethics & Professionalism 	<ul style="list-style-type: none"> Ethical principles 			
	<ul style="list-style-type: none"> Radiology & Artificial Intelligence 	<ul style="list-style-type: none"> Prenatal ultrasonography Contrast Nephropathy 			
	<ul style="list-style-type: none"> Research Club Activity 	<ul style="list-style-type: none"> Questionnaire Development (Practical Session-II) Session on data analysis (Practical Session-III) Manuscript writing (Practical Session-IV) 			
	<ul style="list-style-type: none"> Family Medicine 	<ul style="list-style-type: none"> Renal Failure 			

Vertical Integration

Clinically content relevant to Renal module

- Acute renal failure (Medicine)
- Potassium imbalance and its management (Medicine)
- CRF & Rehabilitation of patient with CRF(Medicine)
- Hydronephrosis / Pyonephrosis (Surgery)
- Investigations of urinary tract (Surgery)
- Renal calculi (Surgery)
- Common renal problems in pregnancy (lower and upper urinary tract infections, hydronephrosis, stress incontinence) (Obstetrics & Gynecology)
- Introduction to diuretics (Pharmacology)

Entrepreneurship

- Ideate Initial Idea

Early Clinical Exposure (ECE)

- | | |
|--|--|
| <ul style="list-style-type: none">• Clinical Rotations | <ul style="list-style-type: none">• Cases of Renal failure• Dialysis• Renal Transplant• Ultrasound of Kidney• Plain X-Ray• KUB Nephrotic Syndrome |
|--|--|

Categorization of Modular Content of Anatomy

Category A*	Category B**	Category C				
Special Embryology	Special Histology	Demonstrations / SGD	CBL	Practical's	SSDL	Self-Directed Learning (SDL)
<ul style="list-style-type: none"> • Development of Kidney & Ureter • Development of Urinary Bladder & urethra 	<ul style="list-style-type: none"> • Histology of Kidney-I • Histology of Kidney-II • Histology of Urinary Bladder • Histology of Ureter & Urethra 	<ul style="list-style-type: none"> • Fascia & Muscles of Posterior Abdominal Wall • Nerves of Posterior Abdominal Wall • Vessels of Posterior Abdominal Wall • Lumbar Vertebra • Kidney & Ureter • Suprarenal Gland • Urethra • Radiology & Surface Marking 	<ul style="list-style-type: none"> • Renal failure • Uretric stones 	<ul style="list-style-type: none"> • Kidney • Ureter • Urinary Bladder 	<ul style="list-style-type: none"> • Vessels of Posterior Abdominal Wall • Lumbar Vertebra • Urinary Bladder • Spotting 	<ul style="list-style-type: none"> • Posterior Abdominal Wall • Kidney • Urinary Bladder • Suprarenal Gland • Urethra • Lumbar Vertebra

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Anatomy

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
3.	Assistant professor of Anatomy department (AP)	01
4.	Demonstrators of Anatomy department	04

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$2 * 06 = 12$ hours
2.	Small Group Discussions (SGD)	$1.5 * 11 = 16.5$ hours
4.	Practical / Skill Lab	$1.5 * 15 = 22.5$ hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$1 * 6 = 06$ hours
2.	Small Group Discussions (SGD)	$2 * 3 + 1 * 9 = 15$ hours
4.	Practical / Skill Lab	$1.5 * 3 = 4.5$ hours
5.	Self-Directed Learning (SDL)	$1 * 7 = 7$ hours

Categorization of Modular Content of Physiology

Category A*	Category B**	Category C***				
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
Regulation of GFR & RBF – I, (Determinants of GFR and RBF (Prof Dr Samia Sarwar/Dr. Faizania))	Excretion of dilute urine (Dr. Sidra)		Accute Glomerular Nephritis	Estimation of specific gravity of urine Examination of 9th, 10th, 11th & 12th cranial nerves Examination of 5 th cranial nerves	Formation of dilute & concentrated urine Acid base balance. Volume & osmolarity of ECF & ICF, Abnormalities of fluid volume & regulation (first week, 16-03-2023)	Body fluid compartments, Volume & osmolarity of ECF & ICF. Physiology of Renal system, Glomerular filtration rate Abnormalities of fluid volume & regulation, Edema A. Regulation of GFR & RBF-I (Determinants of GFR & RBF) B. Regulation of GFR & RBF-II, Physiological control of GFR and RBF, Autoregulation of GFR and RBF/Macula densa feedback mechanism Tubular reabsorption & secretion along various parts of nephrons Regulation of tubular reabsorption A. Clearance methods to quantify kidney function B. Micturition reflex & Abnormalities of micturition
Regulation of GFR & RBF – II, Physiological control of GFR and RBF and Autoregulation of GFR and RBF/ macula densa feedback mechanism (Prof Dr Samia Sarwar/Dr. Faizania)	Excretion of concentrated urine (counter current multiplier) (Dr. Sidra)					
Physiology of Renal system and Glomerular filtration rate (Dr. Faizania)	Excretion of concentrated urine (counter current exchanger) (Dr. Sidra)					
Tubular reabsorption & secretion along various parts of nephrons (Dr. Faizania)	Introduction to physiology of acid base balance & buffer systems, Respiratory and renal regulation of acid base balance (Dr. Sidra)					
Regulation of tubular reabsorption (Dr. Faizania)	Acid base disorders (Dr. Sidra)					
Clearance methods to quantify kidney function (Dr. Faizania)	Body fluid compartments, Volume & osmolarity of ECF & ICF (Dr. Sheena)					
Micturition reflex & Abnormalities of micturition (Dr. Faizania)	Abnormalities of fluid volume & regulation, Edema (Dr. Sheena)					
	Control of ECF osmolarity (Dr. Sheena)					
	Regulation of ECF K ⁺ concentration, Regulation of Ca ⁺⁺ , PO ₄ ⁻³ & Mg ⁺² concentration (Dr. Sheena)					
	Integration of renal mechanism for control of ECF, Nervous & hormonal factors for renal body fluid feedback control (Dr.					

	Sheena)					
	Renal failure & hemodialysis (Dr. Sheena)					

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Physiology

Sr. #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01 (DME)
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	08

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (Lectures)	$2 * 18 = 36$ hours
2.	Small Group Discussions (SGD)/CBL	$1.5\text{-hour} \times 14 = 21$ hours + 1 hour = 22 hours
3.	Problem Based Learning (PBL)	---
4.	Practical / Skill Lab	$1.5\text{-hour} \times 14 = 21$ hours
5.	Self-Directed Learning (SDL)	$1\text{hour} \times 7 = 7$ hours

Categorization of Modular Content of Department of Biochemistry:

Category A*	Category B**	Category C***				
LGIS	LGIS	PBL	CBL	Practical's	SGD	
Amino Acid Metabolism	Ammonia Toxicity		Ammonia Toxicity	Estimation of Urea & Creatinine	Phenyl Alanine Metabolism	
Acid Based imbalance	Amino Acid pool,		Metabolic Acidosis	Urine Analysis-I	Sodium & Chloride Metabolism	
	Urea Cycle				Urine Analysis-II	
	Nitrogen Balance					
	Ammonia Transport					
	Serum Electrolytes					

Category A*: By Assistant Professor & Senior Demonstrators with Postgraduate Qualification

Category B:** By Senior Demonstrators

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	06

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (Lectures)	$10 * 2 = 20$ hours	10
2.	Small Group Discussions (SGD)	$6 * 5 = 30$ hours	06
4.	Practical / Skill Lab	$6 * 5 = 30$ hours	06
5.	Self-Directed Learning (SDL)	$1 * 4 = 4$ hours	04

**Time Table for Renal Module
(15-04-2024 To 17 -04-2024)**

DATE/DAY	08:00 am – 12:00 pm	12:00 pm – 01:00 pm	01:00 pm -02:00 pm
15-04-2024 MONDAY	GIT OSVE	B r e a k	SDL
16-04-2024 TUESDAY	GIT OSVE		SDL
17-04-2024 WEDNESDAY	GIT OSVE		SDL

Time Table for Renal Module (First Week)
(18-04-2024 To 20-04-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
18-04-2024 THURSDAY	Practical &CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		Break	ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		Break	DISSECTION/SGD	SDL Physiology Body fluid compartments & Edema
		Body fluid compartments Volume & Osmolarity of ECF & ICF	Physiology of Renal system, Glomerular filtration rate		Embryology	Histology	Amino Acids Pool, Protein Turnover, Nitrogen balance & Chemical Reaction of Amino Acids	Glycine Phenylalanine & Tryosine Metabolism		Fascia, Muscles and Nerves of Posterior Abdominal wall Batches, Teachers & Venue Mentioned in Table No. 2	
		Dr. Sheena (Even)	Dr. Faizania (Odd)		Development of kidney & Ureter	kidney I	Dr. Aneela / Dr. Uzma (Even)	Dr. Kashif Rauf (Odd)			
19-04-2024 FRIDAY	Practical &CBL/SGD Topics & venue mentioned at the end. Schedule on Wednesday batch (17-04-2024) Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		SDL Anatomy Posterior abdominal wall			
		08:00am – 09:00am		10:00am – 11:00am		11:00am -12:00noon					
		09:00am – 10:00am	Physiology of Renal system, Glomerular filtration rate	Body fluid compartments Volume & Osmolarity of ECF & ICF	Histology	Embryology	Glycine Phenylalanine & Tryosine Metabolism			Amino Acids Pool, Protein Turnover, Nitrogen balance & Chemical Reaction of Amino Acids	
Dr. Faizania (Even)	Dr. Sheena (Odd)	Prof. Dr. Ayesha / Ass. Prof. Dr. Maria (Even)	Prof. Dr. Ifra (Odd)	Development of kidney & Ureter	Dr. Kashif Rauf (Even)	Dr. Aneela / Dr. Uzma (Odd)					
20-03-2024 SATURDAY	Practical &CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		Break	ANATOMY (LGIS)		BIOCHEMISTRY (SSDL)		Break	DISSECTION/SGD	SDL Biochemistry Amino Acids Pool, Protein Turnover, Nitrogen balance & Transport of Amino Acids
		Abnormalities of fluid volume & regulation Edema	Regulation GFR & RBF-I (Determinats of GFR & RBF)		Histology	Embryology	Amino Acid Pool & Chemical Reaction of Amino Acid			Vessels of Posterior Abdominal Wall Lumbar Vertebra Batches, Teachers & Venue Mentioned in Table No. 2	
		Development of urinary bladder and urethra	kidney II		Dr. Aneela / Dr. Uzma (Even)	Dr. Kashif Rauf (Odd)					
Dr. Sheena (Even)	Prof. Dr. Samia Sarwar / Dr. Faizania (Odd)	Prof. Dr. Ifra (Even)	Ass. Prof. Dr. Maria (Odd)								

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
				Day		Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Kidney (Anatomy/Histology-practical) venue Histology Laboratory-Dr. Tariq Furqan Serum estimation of Urea & Creatinine (Biochemistry practical) venue- Biochemistry Laboratory Estimation of specific gravity of urine (Physiology –practical) Physiology Laboratory 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-120	Dr. Sadia baqir	Anatomy Lecture Hall 03	
B	121-240	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
C	241 onwards	Dr. Minahil Haq	Anatomy Lecture Hall 04	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for Renal Module (Second Week)
(22-04-2024 To 27-04-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
22-04-2024 MONDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		BIOETHICS	BIOCHEMISTRY (LGIS)		DISSECTION/CBL	SDL Physiology Volume & osmolarity of ECF& ICF, Abnormalities of fluid volume & regulation
		Regulation GFR & RBF-I (Determinants of GFR & RBF)	Abnormalities of fluid volume & regulation Edema		Islam & Teachings of Bioethics	Urea cycle & its Disorders		
23-04-2024 TUESDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		PBL 1 (SESSION-I)	BIOCHEMISTRY (LGIS)		DISSECTION/CBL	SDL Physiology Physiology of Renal system
		Excretion of dilute urine	Regulation of GFR & RBF-II, Physiological control of GFR and RBF, Autoregulation of GFR and RBF		PBL Team Batches, Teachers & Venue Mentioned in Table No. 3	Glutamine, Histidine, Threonine & Polyamines Metabolism		
24-04-2024 WEDNESDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	BIOETHICS		RESEARCH PRACTICAL SESSION II		PBL 1 (SESSION-II)	DISSECTION/SGD	SDL Biochemistry Amino Acid Pool, Nitrogen Balance
		Ethics of social media & advertising		Questionnaire Development				
25-04-2024 THURSDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		PHYSIOLOGY (LGIS)		SDL Biochemistry Urea cycle & its Disorders
		Regulation of GFR & RBF-II, Physiological control of GFR and RBF, Autoregulation of GFR and RBF	Excretion of dilute urine	Histology	Embryology	Excretion of Concentrated urine (Counter Current Multiplier)	Tubular Reabsorption & Secretion along Various parts of nephron	
26-04-2024 FRIDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		PHYSIOLOGY (LGIS)		BIOCHEMISTRY (LGIS)		SDL Anatomy Ureter
		Regulation of GFR & RBF-II, Physiological control of GFR and RBF, Autoregulation of GFR and RBF	Excretion of dilute urine	Tubular Reabsorption & Secretion along Various parts of nephron	Excretion of Concentrated urine (Counter Current Multiplier)	Ammonia Toxicity	Arginine & Branched Chain Amino Acid Metabolism	
27-04-2024 SATURDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		BIOCHEMISTRY (LGIS)		PHYSIOLOGY (LGIS)		DISSECTION/SGD
		Excretion of concentrated urine (Counter current exchanger)	Regulation of tubular reabsorption	Arginine & Branched Chain Amino Acid Metabolism	Ammonia Toxicity	Regulation of tubular reabsorption	Excretion of concentrated urine (Counter current exchanger)	

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion													
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Ureter (Anatomy/ Histology-practical) venue Histology Laboratory-Dr. Tariq Furqan Urine Analysis -I (Biochemistry practical) venue- Biochemistry Laboratory Examination of 5th Cranial Nerve (Physiology –practical) Physiology Laboratory 	Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD		
					Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	
1.	A	01-70			Monday	C	Supervised by HOD	B	Dr. Rahat		E	Dr. Kamil	A	Dr. Aneela		D	Dr. Uzma
2.	B	71-140			Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia		E	Dr. Almas
3.	C	141-210			Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab		A	Dr. Romessa
4.	D	211-280			Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra		C	Dr. Nayab
5.	E	281-onwards			Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-120	Dr. Sadia baqir	Anatomy Lecture Hall 03	
B	121-240	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
C	241 onwards	Dr. Minahil Haq	Anatomy Lecture Hall 04	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Sports Week

29th April – 4th May, 2024

Time Table for Renal Module (Third Week) (06-05-2024 To 11-05-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm – 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)	
06-05-2024 MONDAY	Practical & CBL/SGD Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		SURGERY		MEDICINE		DISSECTION/SGD	
		Control of ECF osmolarity	Clearance Method to Quantify kidney function	Investigations of urinary tract		Acute renal failure		Dissection/ Spotting Study of Models / Specimen Batches, Teachers & Venue Mentioned in Table No. 2	
		Dr. Sheena (Even)	Dr. Faizania (Odd)	Dr. Faraz Basharat (Even)	Dr. Muhammad Ameen (Odd)	Dr. Saima Meer (Even)	Dr. Mudassar (Odd)	SDL Physiology Excretion of dilute and Excretion of concentrated urine	
07-05-2024 TUESDAY	Practical & CBL/SGD Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		RESEARCH PRACTICAL SESSION III		MEDICINE		BIOCHEMISTRY (LGIS)	
		Clearance Method to Quantify kidney function	Control of ECF osmolarity	Session on data analysis		CRF & Rehabilitation of patient with CRF		Acid Base Imbalance I	
		Dr. Faizania (Even)	Dr. Sheena (Odd)	LTC Hall No. 1	LTC Hall No. 4	CRF & Rehabilitation of patient with CRF		Sodium & Chloride Metabolism	
				Dr. Khuaila Noreen Batch (A, B, C, D, E)	Dr. Afifa Batch (F, G, H, I, J)	Dr. Saima Meer (Even)	Dr. Mudassar (Odd)	SDL Physiology Clearance methods to quantify kidney function.	
08-05-2024 WEDNESDAY	Practical & CBL/SGD Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		SURGERY		OBSTETRIC & GYNAECOLOGY		DISSECTION/SGD	
		Regulation of ECF K ⁺ & Regulation of ECF Ca ⁺⁺ , PO ₄ ⁻³ & Mg ⁺² concentration	Micturition Reflex & Abnormalities of Micturition	Hydronephrosis / Pyonephrosis		Common renal problems in pregnancy (lower and upper urinary tract infections, hydronephrosis, stress incontinence)		Surface Marking Batches, Teachers & Venue Mentioned in Table No. 2	
		Dr. Sheena (Even)	Dr. Faizania (Odd)	Dr. Muhammad Ali (Even)	Dr. Ahmed Sajjad (Odd)	Dr. Humaira Noureen (Even)	Prof. Tallat Farkanda (Odd)	SDL Biochemistry Arginine & Branched Chain Amino Acid Metabolism, Ammonia Toxicity	
09-05-2024 THURSDAY	Practical & CBL/SGD Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		ANATOMY		BIOCHEMISTRY (LGIS)		DISSECTION/SGD	
		Micturition Reflex & Abnormalities of Micturition	Regulation of ECF K ⁺ & Regulation of ECF Ca ⁺⁺ , PO ₄ ⁻³ & Mg ⁺² concentration	Histology	Histology	Sodium & Chloride Metabolism	Acid Base Imbalance I	Dissection/ Spotting (Kidney, ureter & Unrinary Bladder) Batches, Teachers & Venue Mentioned in Table No. 2	
		Dr. Faizania (Even)	Dr. Sheena (Odd)	Ureter, Bladder & Urethra	Ureter, Bladder & Urethra	Dr. Nayab (Even)	Dr. Aneela (Odd)	SDL Biochemistry Sodium & Chloride Metabolism	
				Prof. Dr. Ifra (Even)	Prof. Dr. Ayesha /Asst. Prof. Dr. Maria (Odd)				
10-05-2024 FRIDAY	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00 AM – 11:00 AM		11:00 AM – 12:00 PM		
	QURAN TRANSLATION – II		PHYSIOLOGY (LGIS)		PBL 2 (SESSION – I)		BIOCHEMISTRY (LGIS)		
	Imaniat-3	Ibadaat-3	Renal Mechanism for control of ECF, Nervous & hormonal factors for body Fluid	Physiology of acid base balance respiratory & renal regulation of acid base balance	PBL Team Batches, Teachers & Venue Mentioned in Table No. 3		Acid Base Imbalance II	Potassium Metabolism	SDL Anatomy Suprarenal gland & Urethra
	Mufti Naeem Sherazi (Odd)	Dr. Fahd Anwar (Even)	Dr. Sheena (Even)	Dr. Sidra Hamid (Odd)			Dr. Aneela (Even)	Dr. Nayab (Odd)	
11-05-2024 SATURDAY	Early Clinicaly Exposure								

Break

Break

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
				Day		Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Urinary Bladder (Anatomy/ Histology-practical) venue Histology Laboratory-Dr. Tariq Furqan Urine Analysis-II (Biochemistry practical) venue- Biochemistry Laboratory Examination of 7th cranial nerve (Physiology –practical) Physiology Laboratory 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Topics for SGDs / CBL with Venue	Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf	
	<ul style="list-style-type: none"> Biochemistry CBL: Metabolic acidosis (Venue/: Lecture Hall No 2) Physiology SGD- Micturition Reflex & Abnormalities of Micturition (Venue: Lecture Hall No 5) 	A	01-120	Dr. Sadia baqir		Anatomy Lecture Hall 03
		B	121-240	Dr. Gaiti Ara		New Lecture Hall Complex # 01
		C	241 onwards	Dr. Minahil Haq		Anatomy Lecture Hall 04

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Time Table for Renal Module (Fourth Week)
(13-05-2024 To 18-05-2024)

DATE/DAY	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)	
13-05-2024 MONDAY	Practical &CBL/SGD (Scheduled om Monday 15-04-2024) Topic and venue metioned in 1st week of renal module Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		RESEARCH PRACTICAL SESSION IV		MEDICINE		DISSECTION/SGD Radiographs Lumbar Region / Cross Sectional Anatomy Batches, Teachers & Venue Mentioned in Table No. 2	SDL Anatomy Lumbar Vertebra
		Physiology of acid base balanced respiratory & renal regulation of acid base balance	Renal Machanism for control of ECF, Nervous & hormonal factors for body Fluid	Manuscript writing		Potassium imbalance and its management			
		Dr. Sidra Hamid (Even)	Dr. Sheena (Odd)	LTC Hall No. 1 Dr. Khuala Noreen Batch (A, B, C, D, E)	LTC Hall No. 4 Dr. Afifa Batch (F, G, H, I, J)	Dr. Saima Meer (Even)	Dr. Mudassar (Odd)		
14-05-2024 TUESDAY	Practical &CBL/SGD (Scheduled om Tuesday 16-04-2024) Topic and venue metioned in 1st week of renal module Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		ENTREPRENEURSHIP (LGIS)		FAMILY MEDICINE		PBL 2 (SESSION – II) PBL Team Batches, Teachers & Venue Mentioned in Table No. 3	SDL Biochemistry Sodium & Chloride Metabolism
		Renal failure & hemodialysis	Acid base disorders	Ideate Initial Idea		Renal Failure			
		Dr. Sheena (Even)	Dr. Sidra Hamid (Odd)	Dr. Asif		Dr. Sidra Hamid (Even)	Dr. Sadia (Odd)		
15-05-2024 WEDNESDAY	Practical &CBL/SGD (Scheduled om Saturday 11-05-2024) Topic and venue metioned in 3rd week of renal module Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		BIOCHEMISTRY		PHARMACOLOGY		DISSECTION/SGD Dissection / Spotting (Muscles and Fascia of Posterior Abdominal Wall) Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology Exam Preparation Online Clinical Evaluation
		Acid base disorders	Renal failure & hemodialysis Diuretics	Potassium Metabolism	Acid Base Imbalance II	Introduction to diuretics			
		Dr. Sidra Hamid (Even)	Dr. Sheena (Odd)	Dr. Nayab (Even)	Dr Aneela (Odd)	Dr. Uzma (Even)	Dr. Haseeba (Odd)		
16-05-2024 THURDAY	SDL								
17-05-2024 FRIDAY	Module Exam								
18-05-2024 SATURDAY									

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Kidney, Ureter Bladder (Anatomy Histology Practical) Venue- Histology lab-Dr Minahil Haq Urine Report (Biochemistry Practical) Venue- Biochemistry laboratory Sense of Smell (Physiology Practical) Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	D	Dr. Iqra	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion/SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-120	Dr. Sadia baqir	Anatomy Lecture Hall 03	
B	121-240	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
C	241 onwards	Dr. Minahil Haq	Anatomy Lecture Hall 04	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

**Tentative Date Sheet for End of Renal Module Assessment
(17-05-2024 To 23-05-2024)**

Date / Day	8:00 AM – 02:00 PM
17-05-2024 FRIDAY	Anatomy Written & AV OSPE
18-05-2024 SATURDAY	Biochemistry Written & AV OSPE & Quran Translation
20-05-2024 MONDAY	Physiology Written & AV OSPE
21-05-2024 TUESDAY	OSVE
22-05-2024 WEDNESDAY	OSVE
23-05-2024 THURSDAY	OSVE

**Tentative Date Sheet for End of Block-I (GIT & Renal Module) Assessment
(24-05-2024 To 28-05-2024)**

Date / Day	8:00 AM – 02:00 PM
24-05-2024 FRIDAY	LMS Based Block Assessment (MCQs)
25-05-2024 SATURDAY	OSPE
27-05-2024 MONDAY	OSPE
28-05-2024 TUESDAY	OSPE

Note: Timetable Subject to Change

(Logistic details of Assessments will be notified separately)



BLOCK-II

(Reproduction Module + Central Nervous System Module)

Integrated Clinically Oriented Modular Curriculum for Second Year MBBS

Reproduction Module Time Table

Second Year MBBS

Session 2023-2024

Batch- 50

Reproduction Module Team

Module Name : Reproduction Module
 Duration of module : 04 Weeks
 Coordinator : Dr. Uzma Zafar
 Co-coordinator : Dr. Romessa Naeem
 Reviewed by : Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Uzma Zafar (APWMO Demonstrator of Biochemistry)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Tariq Furqan (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Romessa Naeem (Senior Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Nazia (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem	DME Implementation Team		
7.	Focal Person Physiology	Dr. Sidra Hamid			
8.	Focal Person Biochemistry	Dr. Aneela Jamil	1.	Director DME	Prof. Dr. Ifra Saeed
9.	Focal Person Pharmacology	Dr. Zunera Hakim	2.	Assistant Director DME	Dr Farzana Fatima
			3.	DME Implementation Team	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar			
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline wise Details of Modular Contents

Block	Subjects	Embryology	Histology	Gross Anatomy	
II	• Anatomy	Embryology/Development <ul style="list-style-type: none"> • Testis • Genital Ducts • Prostate & Accessory Glands • Uterus & Uterine tubes • Ovary & Vagina 	Histology <ul style="list-style-type: none"> • Testis • Genital Ducts • Prostate & Accessory Glands • Uterus & Uterine Tubes • Ovary & Vagina 	<ul style="list-style-type: none"> • Sacrum • Bony Pelvis & Joints of Pelvis • Pelvic Fascia, Pelvic Diaphragm, & Pelvic Peritoneum • Male External Genitalia, Scrotum, & Testis • Prostate Vas Deferens, Seminal Vesicles & Ejaculatory Ducts • Female External Genitalia, Ovaries, Fallopian Tubes • Uterus, Cervix & Vagina • Ischioanal Fossa • Urogenital Diaphragm • Perineum, Superficial Perineal Pouch and its contents • Deep Perineal Pouch and its contents • Blood Supply & Lymphatic Drainage of Pelvis & Perineum • Sacral and Coccygeal Plexus • Radiology, Surface Marking, Cross Sectional Anatomy 	
	• Biochemistry	<ul style="list-style-type: none"> • Digestion of nucleic acid & biosynthesis of purines • Purine catabolism and related disorders • Pyrimidine metabolism • Regulation of gene expression • Male Gonadal Hormones • Female Gonadal Hormones 			
	• Physiology	<ul style="list-style-type: none"> • Physiological anatomy of male reproductive system & spermatogenesis • Physiological anatomy female reproductive system • Semen, capacitation & acrosome reaction • Monthly Ovarian Cycle, ovulation • Male sex hormones, Abnormalities of male sexual function and spermatogenesis 			

	<ul style="list-style-type: none"> • Monthly Endometrial Cycle and Menstruation • Response of mother's body to pregnancy and parturition • Female sex hormones (oestrogen and progesterone) • Lactation, Milk composition, breast feeding • Puberty, menarche, menopause, postmenopausal symptoms & anovulatory cycles, Abnormalities of secretion by ovaries • Growth & functional development of fetus, Adjustments of infant to extrauterine life, Growth & development in child • Fertilization of ovum, transport, implantation, Functions of placenta • Hormonal factors in pregnancy, Special functional • problems in neonate. Prematurity and its problems
Spiral Courses	
<ul style="list-style-type: none"> • Biomedical (Club Activity) 	<ul style="list-style-type: none"> • Ethical dilemmas Involving breach in Autonomy. • Ethical dilemmas in healthcare practice involving breach in principle of beneficence and non-maleficence. • Ethical dilemmas practice involving breach in principle of justice
<ul style="list-style-type: none"> • Behavioural Sciences 	<ul style="list-style-type: none"> • Emotion
<ul style="list-style-type: none"> • Family Medicine 	<ul style="list-style-type: none"> • AIDS
<ul style="list-style-type: none"> • The Holy Quran Translation 	<ul style="list-style-type: none"> • Imaniat-5 • Akhlaqiat-1
<ul style="list-style-type: none"> • Pak Studies/Islamiyat 	<ul style="list-style-type: none"> • Kaamyab logu ki sifaat • Nehru report, Quaid e Azam k 14 nukaat
Vertical Integration	
<ul style="list-style-type: none"> • Gynae & Obs 	<ul style="list-style-type: none"> • Early Pregnancy Complications • Menstrual irregularities • Subfertility
<ul style="list-style-type: none"> • Pharmacology 	<ul style="list-style-type: none"> • Hormonal Contraceptives
<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Male hypogonadism, Acute Scrotum
<ul style="list-style-type: none"> • Pathology 	<ul style="list-style-type: none"> • BPH/Prostatitis / Sexually Transmitted Diseases • Polycystic Ovaries
<ul style="list-style-type: none"> • Community Medicine 	<ul style="list-style-type: none"> • Sexually Transmitted Diseases (STDs) • Acquired Immunodeficiency Syndromes/ Sexually Transmitted Diseases
Early Clinical Exposure	
	<ul style="list-style-type: none"> • Ovarian Tumors • Uterine Tumors
	(Gynecology)

	<ul style="list-style-type: none"> • Clinical Rotations 	<ul style="list-style-type: none"> • Polycystic Ovaries • Menstrual Irregularities 	
		<ul style="list-style-type: none"> • Important points in History of pregnant lady • Obstetrics Trimesters • Fetal heart sounds 	(Obstetrics)
		<ul style="list-style-type: none"> • Testicular Tumors • Hydrocele • Undescended Testis • Hypospadias/ Epispadias 	(Surgery)

Category A*	Category B**	Category C***			
Special Embryology	Special Histology	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
<ul style="list-style-type: none"> • Testis • Genital Ducts • Prostate & Accessory Glands • Uterus & Uterine Tubes • Ovary & Vagina 	<ul style="list-style-type: none"> • Testis • Genital Ducts • Prostate & Accessory Glands • Uterus & Uterine Tubes • Ovary & Vagina 	<ul style="list-style-type: none"> • Sacrum • Bony Pelvis & Joints of Pelvis • Pelvic Fascia, Pelvic Diaphragm, & Pelvic Peritoneum • Male External Genitalia, Scrotum, & Testis • Female External Genitalia, Ovaries, Fallopian Tubes • Uterus, Cervix & Vagina • Prostate Vas Deferens, Seminal Vesicles & Ejaculatory Ducts • Ischioanal Fossa • Urogenital Diaphragm • Perineum, superficial Perineal Pouch and its contents • Deep Perineal Pouch and its contents • Blood Supply & Lymphatic Drainage of Pelvis & Perineum • Sacral and Coccygeal Plexus • Radiology, Surface Marking 	<ul style="list-style-type: none"> • Prostate (Benign prostate hyperplasia) • Ovary (ovarian cyst) 	<ul style="list-style-type: none"> • Testis, Epididymis, Ductus Deferens • Seminal Vesicles, Prostate • Ovary, Uterus, Uterine Tubes 	<ul style="list-style-type: none"> • Sacrum • Bony Pelvis & Joints of Pelvis • Pelvic Fascia, Pelvic Diaphragm, & Pelvic Peritoneum • Male External Genitalia, Scrotum, & Testis • Prostate Vas Deferens, Seminal Vesicles & Ejaculatory Ducts • Female External Genitalia, Ovaries, Fallopian Tubes • Uterus, Cervix & Vagina • Ischioanal Fossa • Urogenital Diaphragm • Perineum, superficial Perineal Pouch and its contents • Deep Perineal Pouch and its contents • Blood Supply & Lymphatic Drainage of Pelvis & Perineum • Sacral and Coccygeal Plexus

Categorization of Modular Contents Anatomy

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Teaching Staff / Human Resource of Department of Anatomy

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	03

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$2 * 05 = 10$ hours
2.	Small Group Discussions (SGD)	$2*12 + 1*2=26$ hours
3.	Practical / Skill Lab	$1.5 * 15 = 22.5$ hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$1 * 5 = 05$ hours
2.	Small Group Discussions (SGD)	$2*12+ 1*2=26$ hours

3.	Practical / Skill Lab	1.5 * 3 = 4.5 hours
4.	Self-Directed Learning (SDL)	1 * 5 = 10 hours

Physiology

Category A*	Category B**	Category C***				
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
<ul style="list-style-type: none"> Monthly Ovarian Cycle, ovulation (Monthly Endometrial Cycle and Menstruation) 	<ul style="list-style-type: none"> Physiological anatomy of male reproductive system & spermatogenesis Physiological anatomy female reproductive system Semen, capacitation & acrosome reaction Male sex hormones, abnormalities of male sexual function and spermatogenesis Response of mother's body to pregnancy, Parturition Female sex hormones (oestrogen and progesterone) Lactation, milk composition, breast feeding Puberty, menarche, menopause, postmenopausal symptoms & anovulatory cycles, abnormalities of secretion by ovaries Fertilization of ovum, transport, implantation, functions of placenta Hormonal factors in pregnancy, special functional problems in neonate. Prematurity and its problems. 		<ol style="list-style-type: none"> Menorrhagia Infertility Neonatal problems of Prematurity 	<ol style="list-style-type: none"> Pregnancy test Examination of 7th Cranial nerve Examination of 3rd, 4th, 6th Cranial nerves 		<ol style="list-style-type: none"> Fertilization of ovum, transport, implantation, Functions of placenta Growth & functional development of fetus, Adjustments of infant to extrauterine life, Growth & development in child Special functional problems in neonate. Prematurity and its problems

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Physiology

Sr. #	Designation Of Teaching Staff / Human Resource	Total Number Of Teaching Staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01
4.	Demonstrators of physiology department	10
5.	Residents of physiology department (PGTs)	09

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LECTURES)	$13 \times 2 = 26 \times 1 \text{ hour} = 26 \text{ hours}$
2.	Small Group Discussions (SGD)/CBL	$15 \times 1.5 \text{ hour} = 22.5 \text{ hours}$
3.	Problem Based Learning (PBL)	---
4.	Practical / Skill Lab	$15 \times 1.5 \text{ hour} = 22.5 \text{ hours}$
5.	Self-Directed Learning (SDL)	$3 \times 1 \text{ hour} = 3 \text{ hours}$

Category A*	Category B**	Category C***			
LGIS	LGIS	PBL	CBL	Practical's	SGD
<ul style="list-style-type: none"> Regulation of gene expression 	<ul style="list-style-type: none"> Male gonadal hormones Female gonadal hormones Introduction to nucleic acid and purine synthesis Purine catabolism and related disorders Pyrimidine metabolism and related disorders 		<ul style="list-style-type: none"> Gout 	<ul style="list-style-type: none"> Estimation of Uric acid by spectrophometer Estimation of cholesterol by spectrophometer Analysis of Milk 	<ul style="list-style-type: none"> Purine synthesis and describe salvage pathway Synthesis, mechanism of action and functions of male and female sex hormones

Biochemistry

Category A*: Assistant Professor (HOD) and APMO (With Postgraduate Qualification)

Category B:** (Senior Demonstrators & APWMO)

Category C*:** (By All Demonstrators, Senior Demonstrators and APWMO)

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation Of Teaching Staff / Human Resource	Total Number Of Teaching Staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	05

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	$2 * 6 = 12$ hours	06
2.	Small Group Discussions (SGD)	$1.5 * 5 = 22.5$ hours	4.5
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	$1.5 * 5 = 22.5$ hours	4.5
5.	Self-Directed Learning (SDL)	-----	05

Reproduction Module (First Week) (27-05-2024 To 01-06-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
27-05-2024 Monday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		B r e a k	LMS Based Assessment of Block - I				SDL Physiology Physiological anatomy of female reproductive system, Monthly Ovarian Cycle		
Physiological anatomy of female reproductive system,		Physiological anatomy of male reproductive system & spermatogenesis,	Prof Dr. Samia Sarwar/ Dr Sheena (Even)							Dr Fareed (Odd)	
28-05-2024 Tuesday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)			ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		B r e a k	SGD/DISSECTION	SDL Anatomy Sacrum, Bony Pelvis & Joints of Pelvis Fascia, Pelvic Peritoneum, Pelvic Diaphragm & Contents of Pelvic Cavity
Physiological anatomy of male reproductive system & spermatogenesis,		Physiological anatomy of female reproductive system	Dr Fareed (Even)		Prof. Dr Samia Sarwar/ Dr Sheena (Odd)	Special Embryology	Special Histology	Gene Expression			
29-05-2024 Wednesday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	ANATOMY (LGIS)			BIOCHEMISTRY (LGIS)		PBL 1 (SESSION -I)		B r e a k	SGD/DISSECTION	SDL Anatomy External Male Genitalia, Testis & Scrotum
Special Histology		Special Embryology	Nucleic Acid & purine synthesis		Gene Expression	PBL Team	Pelvic Fascia, Pelvic Peritoneum, Pelvic Diaphragm Contents of Pelvic Cavity Dissection Batches, Teachers & Venue Mentioned in Table No. 2				
30-05-2024 Thursday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)			ANATOMY (LGIS)		GYNAE AND OBS (LGIS)		B r e a k	SGD/DISSECTION	SDL Biochemistry Constituents of Purine synthesis and Salvage Pathway of Purine Metabolism
Monthly Ovarian Cycle, ovulation Monthly Endometrial Cycle and Menstruation		Semen, Capacitation & acrosome reaction Male sex hormones, Abnormalities of male sexual function and spermatogenesis	Special Histology		Special Embryology	Early Pregnancy Complications	External Male Genitalia, Testis & Scrotum (Dissection ' & Spotting) Batches, Teachers & Venue Mentioned in Table No. 2				
Prof. Dr Samia Sarwar/ Dr Sheena (Even)	Dr. Fareed (Odd)	Assis. Prof. Dr. Maria (Even)	Prof. Dr Ifra (Odd)		Dr. Uzma (Even)	Dr. Aneela (Odd)	Dr. Shama Bashir (Even)	Dr. Masooda (Odd)			
Date/Day	8:00 AM – 09:00 AM	09:00AM – 10:00 AM	10:00 AM – 11:00 AM		11:00 AM – 12:00 PM						
31-05-2024 Friday	QURAN TRANSLATION - I		PAK STUDIES/ISLAMIYAT		ANATOMY (LGIS)		PHARMACOLOGY (LGIS)		B r e a k	SDL Biochemistry Gene Expression	
	Imaniat-5	Akhlaqiat-1	Kaamyab logu ki sifaat	Nehru report, Quaid e Azam k 14 nukaat	Special Embryology	Special Histology	Hormonal Contraceptives				
	Mufti Naeem (Even)	Dr. Fahd (Odd)	Mufti Naem (Even)	Qari Aman Ullah (Odd)	(Genital Ducts Prostate & Accessory gland)	(Genital Ducts and (Prostate & Seminal vesicles)					
Prof. Dr Ifra (Even)	Assis. Prof. Dr. Maria (Odd)	Dr. Mehmoona Kanwal									

01-06-2024 Saturday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		B r e a k	PBL 1 (SESSION -II)	ANATOMY (LGIS)		B r e a k	CBL/DISSECTION	SDL Physiology
		Monthly Ovarian Cycle, ovulation Monthly Endometrial Cycle and Menstruation	Semen, Capacitation & acrosome reaction Male sex hormones, Abnormalities of male sexual function and spermatogenesis		PBL Team	Special Histology	Special Embryology		Prostate (Vas deferens, seminal vesicles & Ejaculatory Ducts) Batches, Teachers & Venue Mentioned in Table No. 2	
		Prof. Dr Samia Sarwar /Dr. Sheena (Odd)	Dr. Fareed (Even)			Uterus & Uterine Tubes	Uterus & Uterine Tubes			
		Assis. Prof. Dr. Maria (Even)	Prof. Dr. Ifra (Odd)							

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical) Venue-Histology laboratory (Dr..Minahil Haq) Estimation of serum Uric acid by Spectrophotometer (Biochemistry Practical) Venue- Biochemistry laboratory Pregnancy test (Physiology Practical) Venue – Physiology Lecture Hall No 5 	Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD	
					Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat		E	Dr. Kamil	A	Dr. Aneela		D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia		E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab		A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra		C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Minahil Haq	New Lecture Hall Complex # 04	
B	91-180	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
C	181-270	Dr. Sadia Baqir	Anatomy Lecture Hall 03	
D	271 onwards	Dr. Gaiti Ara	New Lecture Hall Complex # 01	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

(Reproduction Module Second Week)
(03-06-2024 To 08-06-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)	
03-06-2024 Monday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		PBL 2 (SESSION -I)		SGD/DISSECTION Male Internal Genital Organs Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Mechanism of action of Steroid Hormones and Synthesis of Sex Hormones
		Response of mother's body to pregnancy, Parturition	Female sex hormones (oestrogen and progesterone)	Special Embryology	Special Histology	PBL Team			
		Dr. Sheena (Even)	Dr. Shazia (Odd)	Uterus & Uterine Tubes	Uterus & Uterine Tubes				
		Dr. Sheena (Even)	Dr. Shazia (Odd)	Prof. Dr. Ifra(Even)	Assis. Prof. Dr. Maria (Odd)				
04-06-2024 Tuesday	Practical & SGD/CBL Topics & venue mentioned at the end. Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		BIOCHEMISTRY (LGIS)		PATHOLOGY (LGIS)		SGD/DISSECTION Dissection & Spotting Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology Male Reproductive Physiology
		Female sex hormones (oestrogen and progesterone)	Female sex hormones (oestrogen and progesterone)	Purine catabolism	Male & Female Sex Hormones	Sexually transmitted diseases	BPH/Prostatitis		
		Dr. Shazia (Even)	Dr. Shazia (Even)	Dr. Uzma / Dr.Aneela(Even)	Dr. Almas(Odd)	Dr Sara (Even)	Dr Rabbiya Khalid (Odd)		
		Dr. Shazia (Even)	Dr. Shazia (Even)	Dr. Uzma / Dr.Aneela(Even)	Dr. Almas(Odd)	Dr Sara (Even)	Dr Rabbiya Khalid (Odd)		
05-06-2024 Wednesday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		BIOCHEMISTRY (LGIS)		PATHOLOGY (LGIS)		CBL/DISSECTION Female Internal Genital Organs (Ovaries, Fallopian Tubes) Uterus & cervix) Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Purine Catabolism & Related Disorders
		Lactation, Milk composition, breast feeding	Puberty, menarche, menopause PMS & anovulatory cycles, Abnormalities of secretion by ovaries	Male & Female Sex Hormones	Purine catabolism	BPH/ Prostatitis	Sexually transmitted diseases		
		Dr. Sheena (Even)	Dr. Shazia (Odd)	Dr. Almas (Even)	Dr. Uzma/ Dr. Aneela(Odd)	Dr Rabbiya Khalid (Even)	Dr Sara (Odd)		
		Dr. Sheena (Even)	Dr. Shazia (Odd)	Dr. Almas (Even)	Dr. Uzma/ Dr. Aneela(Odd)	Dr Rabbiya Khalid (Even)	Dr Sara (Odd)		
06-06-2024 Thursday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		PBL 2 (SESSION -II)		SURGERY (LGIS)		SGD/DISSECTION Ischioanal Fossa Urogenital Diaphragm Batches, Teachers & Venue Mentioned in Table No. 2	SDL Anatomy Female Internal Genital Organs Uterus cervix, (Ovaries, Fallopian Tubes)
		Puberty, menarche, menopausePMS&a novulatorycycles, Abnormalities of secretion by ovaries	Puberty, menarche, menopausePMS &anovulatorycycles, Abnormalities of secretion by ovaries	PBL Team		Undescended Testes			
		Dr. Shazia (Even)	Dr. Shazia (Even)	PBL Team		Undescended Testes			
		Dr. Shazia (Even)	Dr. Shazia (Even)	PBL Team		Dr. Raneez (Even)	Dr. Ameen (Odd)		
Date/Day	8:00 AM – 09:00 AM	09:00AM– 10:00 AM	10:00AM– 11:00 AM	11:00 AM – 12:00 PM					
07-06-2024 Friday	QURAN TRANSLATION – II		ANATOMY (LGIS)		PHYSIOLOGY (LGIS)		BIOMEDICAL (CLUB ACTIVITY)		SDL Anatomy Male Internal Genital Organs (Prostate Vas deferens, seminal vesicles & ejaculatory ducts)
	Akhlaqiat-1	Imaniat-5	Special Histology Ovary&Vagina	Special Embryology Ovary&Vagina	Fertilization of ovum, transport, implantation, Functions of placenta	Growth & functional development of fetus, Adjustments of infant to extrauterine life, Growth & development in child	Ethical dilemmas Involving breech in Autonomy		
	Dr. Fahd Anwar (Even)	Mufti Naeem Sherazi(Odd)	Assis. Prof. Dr. Maria (Even)	Prof. Dr. Ifra (Odd)	Dr. Shazia (Even)	Dr. Usman (odd)	Biomedical ethics PBL/ SGD team detail given on next page		
08-06-2024 Saturday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1		Early Clinical Exposure						SDL Physiology Female Reproductive Physiology Online Clinical Evaluation

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Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of Seminal Vesicles & Prostate (Anatomy Histology Practical) Venue-Histology Laboratory (Dr..Sadia Baqir) Estimation of Cholesterol by Spectrophotometer (Biochemistry Practical) Venue- Biochemistry Laboratory Examination of VII Cranial Nerves (Physiology Practical) Venue – Physiology Lab 	Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD	
					Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat		E	Dr. Kamil	A	Dr. Aneela		D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia		E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab		A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra		C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs / CBL with Venue			Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Anatomy CBL: Ovarian Cysts Physiology CBL: Infertility (Venue: Lecture Hall No 5) Biochemistry CBL: Gout: (Lecture Hall No 2) 	A	01-90	Dr. Minahil Haq	New Lecture Hall Complex # 04			
	B	91-180	Dr. Tariq Furqan	Anatomy Lecture Hall 04			
	C	181-270	Dr. Sadia Baqir	Anatomy Lecture Hall 03			
	D	271 onwards	Dr. Gaiti Ara	New Lecture Hall Complex # 01			

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rahima PGT (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Reproduction Module (Third Week)
(10-06-2024 To 15-06-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)		
10-06-2024 Monday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		B r e a k	FAMILY MEDICINE(LGIS)		BEHAVIOURAL SCIENCES		SGD/DISSECTION Perineum, Superficial Perineal Pouch & Contents Deep Perineal Pouch & Contents Batches, Teachers & Venue Mentioned in Table No. 2	SDL Anatomy Ischioanal Fossa Urogenital Diaphragm
		Growth &functional development of fetus, Adjustments of infant to extrauterine life, Growth & development in child	Fertilization of ovum, transport, implantation, Functions of placenta		AIDS		Emotion			
		Dr. Usman (Even)	Dr. Shazia (Odd)		Dr. Sadia Khan (Even)	Dr. Amna Rauf (Odd)				
		PHYSIOLOGY (LGIS)			COMMUNITY MEDICINE (LGIS)		GYNAE AND OBS (LGIS)			
11-06-2024 Tuesday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	Special functional problems in neonate. Prematurity and its problems	Hormonal factors in pregnancy		Sexually Transmitted Diseases (STDs)	Acquired immunodeficiency syndromes (AIDs)	Menstrual irregularities		SGD/DISSECTION Blood Supply, Venous Drainage & Lymphatic Drainage of Pelvis & Perineum Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Pyrimidine Metabolism & Related Disorder
		Dr. Usman (Even)	Dr. Sheena (Odd)		Dr. Abdul Qadous (Even)	Dr. Asif (Odd)	Dr Saima Khan (Even)	Dr. Zainab (Odd)		
12-06-2024 Wednesday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)			BIOCHEMISTRY (LGIS)		COMMUNITY MEDICINE (LGIS)		SGD/DISSECTION Sacral & Coccygeal Plexus Dissection & Spotting Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology Neonatal physiology
		Hormonal factors in pregnancy	Special functional problems in neonate. Prematurity and its problems		Sex hormones-II	Pyrimidine Metabolism	Acquired immunodeficiency syndromes (AIDs)	Sexually Transmitted Diseases (STDs)		
13-06-2024 Thursday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	ANATOMY (LGIS)			BIOMEDICAL EHTICS		BIOCHEMISTRY (LGIS)		SGD/DISSECTION Cross-Sectional Anatomy Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Pyrimidine Metabolism & Related Disorder
		Special Embryology Ovary&Vagina	Special Histology Ovary&Vagina		Ethical dilemmas practice involving breach in principle of justice	Pyrimidine Metabolism	Sex hormones-II			
14-06-2024 Friday	QURAN TRANSLATION - III	PAK STUDIES/ISLAMIYAT			BIOMEDICAL EHTICS					
		Imaniat-6	Akhlaqiat-2		Haqook Ul Ebad	Tareek e Ali Garh	Ethical dilemmas in healthcare practice involving breach in principle of beneficence and non-maleficence			
15-06-2024 Saturday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	PHYSIOLOGY (LGIS)		B r e a k	GYNAE AND OBS (LGIS)		PATHOLOGY(LGIS)		SGD/DISSECTION Radiology Batches, Teachers & Venue Mentioned in Table No. 2	SDL Anatomy SDL Anatomy Perineum, Superficial Perineal Pouch & Contents Deep Perineal Pouch & Contents Blood Supply, Venous Drainage & Lymphatic Drainage of Pelvis & Perineum Sacral & Coccygeal Plexus Online Clinical Evaluation
		Male hypogonadism Acute Scrotum			Subfertility		Polycystic ovaries			
		Dr. Faraz (Even)	Dr. Faraz Butt (Odd)		Dr. Farah (Even)	Dr. Saira Ahmed (Odd)	Dr. Rabbiya Khalid (Even)	Dr. Sara (Odd)		

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
				Day		Histology Practical		Biochemistry Practical		Physiology Practical		Physiology SGD		Biochemistry SGD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Histology of uterus, uterine tube and ovary (Anatomy Histology Practical) Venue-Histology Laboratory (Dr..Gaiti Ara) Milk Analysis (Biochemistry Practical) Venue- Biochemistry Laboratory Examination of III, IV & VI Cranial Nerves (Physiology Practical) Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Physiology SGD: Special Problems of Prematurity (In Neonate) (Venue: Lecture Hall No 5) Biochemistry SGD: Synthesis mechanism of action and functions of sex hormones: Lecture Hall No 2) 	A	01-90	Dr. Minahil Haq	New Lecture Hall Complex # 04		
	B	91-180	Dr. Tariq Furqan	Anatomy Lecture Hall 04		
	C	181-270	Dr. Sadia Baqir	Anatomy Lecture Hall 03		
	D	271 onwards	Dr. Gaiti Ara	New Lecture Hall Complex # 01		

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Zeneera Saqib (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Reproduction Module) Batch 50

The online assessment for Reproduction Module for Second Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
Second Year MBBS	Reproduction Module	Monday 3 rd June,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 4 th June,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 5 th June,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 10 th June,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 11 th June,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 12 th June,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry

Reproduction Module (Fourth Week)
(17-06-2024 To 26-06-2024)

Date/time	9:00am - 12:00pm	12:00-02:00pm
17-06-2024 Monday	Eid Ul Adha Holidays	
18-06-2024 Tuesday		
19-06-2024 Wednesday		
20-06-2024 Thursday	Assessment Week	
21-06-2024 Friday		
22-06-2024 Saturday		
24-06-2024 Monday		
25-06-2024 Tuesday		
26-06-2024 Wednesday		

*Note: Detailed notice regarding content, time and venue will be issued accordingly

Note: Timetable Subject to change according to the current circumstances.

Clinically Oriented Integrated Modular Curriculum for Second Year MBBS

CNS Time Table

Second Year MBBS

Session 2023 - 2024

Batch- 50

CNS Module Team

Module Name : CNS Module
 Duration of module : 06 Weeks
 Coordinator : Dr. Arsalan Manzoor Mughal
 Co-coordinator : Dr. Gaiti Ara
 Reviewed by : Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Arsalan Manzoor Mughal (Associate Professor of Anatomy)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Gaiti Aara ((APWMO of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Rahat (Senior Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Shazia (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			
7.	Focal Person Physiology	Dr. Sidra Hamid	DME Implementation Team		
			1.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.	DME Implementation Team	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar			
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline Wise Details of Modular Contents

Subjects	Embryology	Histology	General Anatomy	Gross Anatomy
<ul style="list-style-type: none"> Anatomy 	<ul style="list-style-type: none"> Early CNS Development Spinal Cord Hindbrain & Cerebellum Midbrain Forebrain Peripheral Nervous System 	<ul style="list-style-type: none"> Ganglia Peripheral Nerves Spinal Cord Cerebellum Cerebrum 	<ul style="list-style-type: none"> General Anatomy of Nervous System General Anatomy of Autonomic Nervous System. 	<ul style="list-style-type: none"> Anterior, Middle & Posterior cranial fossae Meninges, Dural venous sinuses, and intracranial hemorrhages Spinal cord & Tracts Brain stem (Medulla oblongata, Pons, cerebellum & Midbrain) Diencephalon Cerebrum CSF and Ventricular System Cranial nerves Basal ganglia Limbic system & Reticular formation Blood Supply of Brain Radiological Imaging of CNS Cross Sectional Anatomy of CNS
<ul style="list-style-type: none"> Biochemistry 	<ul style="list-style-type: none"> Fatty acid metabolism Cholesterol Metabolism Ketone bodies metabolism Lipoproteins and Phospholipids Fatty Liver and hyper Lipidemias. Glycerophospholipid & Sphingo phospholipid 			
<ul style="list-style-type: none"> Physiology 	<ul style="list-style-type: none"> Organization of nervous system, Mechanism of synaptic transmission Classification of sensory receptors, Properties of sensory receptors Properties of synaptic transmission Physiology of pain, Dual pathway for transmission of pain, Analgesia System and Thermal sensations Sensory pathways for transmitting somatic signals Introduction to autonomic nervous system Basic Characteristics of sympathetic & parasympathetic function Somatosensory cortex & lesions of Somatosensory cortex Excitatory & inhibitory effects of sympathetic & parasympathetic stimulation 			

	<ul style="list-style-type: none"> • CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture • Concept of Association areas, • Concept of Dominant and non-dominant cerebral hemispheres • Limbic system, • Functions of hypothalamus • Speech and aphasia • Learning and memory • Reticular activating system and sleep • EEG and epilepsy • Introduction to motor nervous system & Reflex action, Conditioned reflexes & Properties of reflex action, Control of spinal cord reflexes by higher centers • Introduction to cerebellum, Neuronal circuits of cerebellum, and its motor functions • Muscle spindle & Golgi tendon organ, Role of muscle spindle and Golgi tendon organ in voluntary motor activity
Spiral Courses	
<ul style="list-style-type: none"> • The Holy Quran Translation 	<ul style="list-style-type: none"> • Imaniyaat-5 • Imaniyaat-6 • Momalat-I • Momalat-II
<ul style="list-style-type: none"> • Pak Studies / Islammiyat 	<ul style="list-style-type: none"> • Musawat • Tehreek-e-Pakistan (1940-1947) • Khwateen k hakook • Qayam e Pakistan, Ibtidai Mushkilaat
<ul style="list-style-type: none"> • Bioethics & Professionalism 	<ul style="list-style-type: none"> • Ethical dilemmas in healthcare practice involving breach in principle of autonomy • Ethical dilemmas in healthcare practice involving breach in principle of beneficence and non-maleficence • Ethical dilemmas practice involving breach in principle of justice
<ul style="list-style-type: none"> • Radiology & Artificial Intelligence 	<ul style="list-style-type: none"> • Skull radiograph • CT Scan & MRI
<ul style="list-style-type: none"> • Family Medicine 	<ul style="list-style-type: none"> • Approach to a patient with headache
<ul style="list-style-type: none"> • Behavioral Sciences 	<ul style="list-style-type: none"> • Emotions • Memory
Vertical Integration	
<ul style="list-style-type: none"> • Pharmacology 	<ul style="list-style-type: none"> • Introduction to CNS
<ul style="list-style-type: none"> • Pathology 	<ul style="list-style-type: none"> • Patterns of injury in nervous system • Meningitis
<ul style="list-style-type: none"> • Pediatrics 	<ul style="list-style-type: none"> • Meningitis

	<ul style="list-style-type: none"> • Cerebral palsy, Polio
<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Spinal injury and head injury • Management of hydrocephalus • Brain abscess • Polytrauma patient
<ul style="list-style-type: none"> • Medicine 	<ul style="list-style-type: none"> • Spinal cord and peripheral nervous system • Encephalitis • Cerebellar disorders • Epilepsy and other convulsive disorders • Stroke
<ul style="list-style-type: none"> • Gynecology & Obs 	<ul style="list-style-type: none"> • Seizures during pregnancy (eclampsia/ epilepsy)
Early Clinical Exposure	
<ul style="list-style-type: none"> • Medicine 	<ul style="list-style-type: none"> • Cases of stroke • Paraplegia • Vegetative state
<ul style="list-style-type: none"> • Surgery/ Neurosurgery 	<ul style="list-style-type: none"> • Head injury. • Nerve injuries
<ul style="list-style-type: none"> • Radiology 	<ul style="list-style-type: none"> • CT scan • Brain • Normal • Stroke • Hemorrhage • Infarction Hydrocephalus • Brain atrophy • Brain Edema • Skull/ spine Fractures • MRI Brain/ Spine

Categorization of Modular Contents

Anatomy

Category A*	Category B**		Category C***			
Special Embryology	Special Histology	General Anatomy	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
<ul style="list-style-type: none"> • Early CNS Development • Spinal Cord • Hindbrain & Cerebellum • Midbrain • Forebrain • Peripheral Nervous System • Development of Cranium 	<ul style="list-style-type: none"> • Ganglia • Peripheral Nerves • Spinal Cord • Cerebellum • Cerebrum 	<ul style="list-style-type: none"> • General Anatomy of Nervous System • General Anatomy of Autonomic Nervous System 	<ul style="list-style-type: none"> • Anterior, Middle & Posterior cranial fossae • Meninges, Dural venous sinuses, and intracranial hemorrhages • Spinal cord & Tracts • Brain stem (Medulla oblongata, Pons, cerebellum & Midbrain) • Diencephalon • Cerebrum • CSF and Ventricular System • Cranial nerves • Basal ganglia • Limbic system & Reticular formation • Blood Supply of Brain • Radiological Imaging of CNS • Cross Sectional Anatomy 	<ul style="list-style-type: none"> • Cystic Astrocytoma of cerebellum • Stroke 	<ul style="list-style-type: none"> • Ganglia • Peripheral Nerves • Spinal Cord • Cerebellum • Cerebrum 	<ul style="list-style-type: none"> • Anterior, Middle & Posterior cranial fossae • Meninges, Dural venous sinuses, and intracranial hemorrhages • Spinal cord & Tracts • Brain stem (Medulla oblongata, Pons, cerebellum & Midbrain) • Diencephalon • Cerebrum • CSF and Ventricular System • Cranial nerves • Basal ganglia • Limbic system & Reticular formation • Blood Supply of Brain • Radiological Imaging of CNS

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Anatomy

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy Department	03
2.	Associate professor Of Physiology Department	02
	Assistant professor of Anatomy Department (AP)	01
3.	Demonstrators of Anatomy Department	04

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$11 * 2 = 22$ hours
2.	Small Group Discussions (SGD)	$22 * 2 = 44$ hours
3.	Practical / Skill Lab	$7.5 * 5 = 37.5$ hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$1 * 11 = 11$ hours
2.	Small Group Discussions (SGD)	$2 * 22 = 44$ hours
3.	Practical / Skill Lab	$1.5 * 5 = 7.5$ hours
4.	Self-Directed Learning (SDL)	$2 * 10 = 20$ hours

Physiology

Category A & B*	Category C***				
LGIS	PBL	CBL	Practical's	SGD	SDL
<ul style="list-style-type: none"> • Organization of nervous system, Mechanism of synaptic transmission • Classification of sensory receptors, Properties of sensory receptors • Properties of synaptic transmission • Physiology of pain, Dual pathway for transmission of pain, Analgesia System and Thermal sensations • Sensory pathways for transmitting somatic signals • Introduction to autonomic nervous system Basic Characteristics of sympathetic & parasympathetic function • Somatosensory cortex & lesions of Somatosensory cortex • Excitatory & inhibitory effects of sympathetic & parasympathetic stimulation • CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture • Concept of Association areas, • Concept of Dominant and non-dominant cerebral hemispheres • Limbic system, • Functions of hypothalamus • Speech and aphasia • Learning and memory • Reticular activating system and sleep • EEG and epilepsy • Introduction to motor nervous system & Reflex action, Conditioned reflexes & Properties of reflex action, Control of spinal cord reflexes by 		<ol style="list-style-type: none"> 1. CVA 2. Gullain Barr syndrome 	<ol style="list-style-type: none"> 1. Examination of sensory nervous system 2. Examination of Motor System 3. Examination of Cerebellar System 4. Ophthalmoscopy 5. Determination of field of vision 	<ol style="list-style-type: none"> 1. Synapse & sensory Receptors 2. Autonomic Nervous System 3. Motor nervous system , muscle spindle and Golgi tendon organ 4. Motor Nervous System 5. Basal Ganglia & limbic system 6. Analgesia system 7. Cerebellum 	<p>On Campus:</p> <ol style="list-style-type: none"> 1. Sensory pathways for transmitting somatic signals 2. Somatosensory cortex & lesions of Somatosensory cortex 3. Introduction to autonomic nervous system Basic Characteristics of sympathetic & parasympathetic function 4. Excitatory & inhibitory effects of sympathetic & parasympathetic stimulation 5. CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture 6. Limbic system, 7. Functions of hypothalamus <p>Online:</p> <ol style="list-style-type: none"> 9. Learning and memory 10. Concept of Association areas, Concept of Dominant and nondominant cerebral hemispheres 11. Speech and aphasia 12. EEG and epilepsy 13. 14. Reticular activating system and sleep 15. Muscle spindle & Golgi tendon organ, Role of muscle spindle and 16. Golgi tendon organ in voluntary motor activity 17. Motor cortex & physiological importance of neocortex, 18. Corticospinal or pyramidal tract,

<p>higher centers</p> <ul style="list-style-type: none"> • Introduction to cerebellum, Neuronal circuits of cerebellum, • and its motor functions • Muscle spindle & Golgi tendon organ, Role of muscle spindle and Golgi tendon organ in voluntary motor activity • Manifestations of cerebellar disease • Polysynaptic reflexes & Transection of spinal cord, • Role of brain stem in controlling motor functions & Lesions of motor system • Motor cortex & physiological importance of neocortex, Corticospinal or pyramidal tract, Extra pyramidal system • Basal Ganglia & Lesions 					<p>Extra pyramidal system 19. Basal Ganglia & Lesions</p> <p>Off Campus:</p> <ol style="list-style-type: none"> 1. Organization of nervous system 2. Classification of sensory receptors 3. Sensory pathways for transmitting somatic signals 4. Physiology of pain, Dual 5. pathway for 6. transmission of pain, 7. CSF, Blood brain barrier, Blood CSF Barrier, 8. Lumbar puncture 9. Muscle spindle & 10. Golgi tendon organ, 11. Hypothalamus 12. Properties of reflex 13. action, Control of spinal cord 14. reflexes by higher centers 15. Reticular activating system 16. and sleep, EEG and epilepsy 17. Introduction to cerebellum, 18. Neuronal circuits of cerebellum 19. Basal Ganglia & Lesions
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Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resource of Department of Physiology

Sr. #	Designation Of Teaching Staff / HumanResource	Total number ofteaching staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	08

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LECTURES)	$1 \times 22 = 22 \times 1 \text{ hour} = 22 \text{ hours}$
2.	Small Group Discussions (SGD)/CBL	$25 \times 1.5 \text{ hour} = 37.5 + 2 = 39.5 \text{ hours}$
3.	Problem Based Learning (PBL)	---
4.	Practical / Skill Lab	$25 \times 1.5 \text{ hour} = 37.5 \text{ hours}$
5.	Self-Directed Learning (SDL)	oncampus $14 \times 1 \text{ hour} = 14 \text{ hours}$ off campus $11 \times 1 = 11 \text{ hours}$

Biochemistry

Category A & B	Category C***			
LGIS	PBL	CBL	Practical's	SGD
<ul style="list-style-type: none"> • Triglyceride Metabolism, Fatty acid transport • Oxidation of fatty acid • Oxidation of fatty acid • Fatty acid synthesis • Cholesterol Synthesis • Plasma Cholesterol level • Ketone bodies metabolism • Biosynthesis of Glycerophospholipid • Biosynthesis of sphingophospholipids • Introduction to Lipoproteins • LDL& HDL • Disorders of lipoprotein metabolism • Fatty liver & Adipose tissues • Disorders of lipoprotein metabolism 		<ul style="list-style-type: none"> • IHD • Respiratory Distress Syndrome 	<ul style="list-style-type: none"> • Color Test for Sterols • Detection of Cholesterol Crystals • Estimation of serum TAGS • Estimation of Serum HDL • Lipid Solubility & Acrolein test 	<ul style="list-style-type: none"> • Triglycerides & F.A. oxidation • Fatty acid synthesis & cholesterol metabolism • Ketone bodies & Phospholipids • Lipoprotein (HDL) • Lipoprotein (VLDL, LDL)

*: Assistant Professor (HOD) and APMO (With Postgraduate Qualification)

Category B:** (Senior Demonstrators & APWMO)

Category C*:** (By All Demonstrators, Senior Demonstrators and APWMO)

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	06

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (Lectures)	$2 * 5 = 10$ hours	05
2.	Small Group Discussions (SGD)	$7.5 * 7 = 37.5$ hours	7.5
3.	Problem Based Learning (PBL)	$2 * 1 = 2$ hours	2
4.	Practical / Skill Lab	$7.5 * 5 = 37.5$ hours	7.5
5.	Self-Directed Learning (SDL)	-----	05

Second Year Timetable for CNS Module (First Week)
(29-07-2024 To 03-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments	
29-07-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		SDL	SGD / DISSECTION	SDL Physiology Organization of nervous system, Mechanism of synaptic transmission	
		Organization of nervous system, Mechanism of synaptic transmission Dr. Faizania (Even)	Classification of sensory receptors & Properties of sensory receptors Prof. .Dr. Samia / Dr. Kamil(Odd)	General Anatomy Nervous system Assoc. Prof. Dr. Arsalan Manzoor (Even)	Embryology Early development of CNS Prof. Dr. Ifra Saeed (Odd)		Anterior and Middle Cranial Fossa		
30-07-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		PBL 1 (SESSION-I)	SGD / DISSECTION	SDL Physiology Classification of sensory receptors	
		Classification of sensory receptors & Properties of sensory receptors Prof. Dr. Sami Sarwar/ Dr. Kamil (Even)	Organization of nervous system, Mechanism of synaptic transmission Dr. Fazania(Odd)	Embryology Early development of CNS Prof. Dr. Ifra Saeed (Even)	General anatomy Nervous system Assoc. Prof. Dr. Arsalan Manzoor (Odd)		Posterior cranial fossa		
31-07-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		SGD / DISSECTION	SDL Biochemistry Chylomicron Metabolism
		Properties of synaptic transmission Dr. Fazania (Even)	Physiology of Pain, dual Pathway for Transmission of pain, Analgesia system and thermal sensation Prof.. Dr. Samia / Dr. Kamil (Odd)	Embryology Development of Spinal Cord Prof. Dr. Ifra Saeed (Even)	General Anatomy Autonomic Nervous System Assoc. Prof. Dr. Arsalan Manzoor (Odd)	Triglyceride Metabolism Transport Dr. Aneela (Even)	Introduction to Lipoproteins, chylomicrons, VLDL Metabolism Dr. Kashif (Odd)		
01-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		SGD / DISSECTION	SDL Anatomy Posterior cranial fossa Dural venous sinuses and intracranial hemorrhages
		Physiology of Pain, dual Pathway for Transmission of pain, Analgesia system and thermal sensation Prof.. Dr. Samia / Dr. Kamil (Even)	Properties of synaptic transmission Dr. Faizania (Odd)	General anatomy Autonomic Nervous system Assoc. Prof. Dr. Arsalan Manzoor (Even)	Embryology Development of Spinal Cord Prof. Dr. Ifra Saeed (Odd)	Introduction to Lipoproteins, chylomicrons, VLDL Metabolism Dr. Kashif (Even)	Triglyceride Metabolism Transport Dr. Aneela (Odd)	Spinal Cord	
02-08-2024 Friday	8:00am-9:00am		9:00am-10:00am		10:00am-11:00am		11:00am-12:00pm		
	PEDIATRICS		PHYSIOLOGY (LGIS)		QURAN TRANSLATION		QURAN TRANSLATION		
	Meningitis Dr. Mamoona Qudrat(Even)	Dr. Tanzeela Rani(Odd)	Sensory Pathways for transmitting Somatic Signals Dr. Fahd (Even)	Introduction to AN, Basic Characteristics of Sympathetic & Parasympathetic Dr Uzma (Odd)	Imaniyaat-5 Mufti Naeem Sherazi (Odd)		Imaniyaat-6 Mufti Naeem Sherazi (Even)		
03-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	PATHOLOGY		PBL 1 (SESSION-II)	SGD / DISSECTION	SDL Anatomy Anterior And middle Cranial Fossa
		Introduction to ANS ,Basic Characteristics of Sympathetic & Parasympathetic Dr. Uzma (Even)	Sensory Pathways for transmitting Somatic Signals Dr. Fahd (Odd)		Introduction to ANS ,Basic Characteristics of Sympathetic & Parasympathetic System Dr. Nida Fatima (even)	Meningitis Dr. Kiran Ahmad (odd)			

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Peripheral Nerve (Anatomy Histology Practical) Venue-Histology laboratory (Dr. Minahil Haq) Color test for Sterols (Biochemistry practical) (Physiology Practical) Examination of sensory nervous system Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa	
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat	

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Second Year Timetable for CNS Module (Second Week)
(05-08-2024 To 10-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments	
05-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		BIOCHEMISTRY (LGIS)		PATHOLOGY		SGD / DISSECTION	SDL Physiology Sensory pathways for transmitting somatic signals-II
		Somatosensory cortex and lesions of somatosensory cortex	Excitatory and inhibitory effects of sympathetic and parasympathetic stimulation	LDL, HDL metabolism	Fatty Acid Oxidation I	Patterns of injury in nervous system			
		Dr. Fahd (Even)	Dr. Uzma (Odd)	Dr. Kashif (Even)	Dr. Aneela (Odd)	Dr. Nida Fatima (Even)	Dr Kiran Ahmad (Odd)		
06-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		BIOCHEMISTRY (LGIS)		SGD / DISSECTION	SDL Physiology Physiology of pain Dual pathway for transmission of pain
		Excitatory and inhibitory effects of sympathetic and parasympathetic stimulation	Somatosensory cortex and lesions of somatosensory cortex	Histology Of spinal cord and peripheral nerve	Embryology Development of Rhombencephalon	Fatty acid oxidation I	LDL, HDL metabolism		
		Dr. Uzma (Even)	Dr. Fahd (Odd)	Asst. Prof. Dr. Maria Tasleem (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Aneela (Even)	Dr. Kashif (Odd)		
07-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)		SURGERY		SGD / DISSECTION	SDL Biochemistry HDL & LDL Metabolism
		Concept of Association areas, Concept of Dominant and non-dominant cerebral hemispheres	CSF, Blood Brain Barrier Blood CSF Barrier, Lumbar puncher	Embryology Development of Rhombencephalon	Histology Of spinal cord and peripheral nerve	Spinal injury and Head injury			
		Dr. Shazia (Even)	Dr. Maryam (Odd)	Prof. Dr. Ifra Saeed (Even)	Asst. Prof. Dr. Maria Tasleem (Odd)	Dr. Soban Sarwar Gondal(Even)	Dr. Usman Malik (Odd)		
08-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		RADIOLOGY		BIOCHEMISTRY (LGIS)		SGD / DISSECTION	SDL Anatomy Meninges, Spinal ,cord
		CSF, Blood Brain Barrier Blood CSF Barrier, Lumbar puncher	Concept of Association areas, Concept of Dominant and non- dominant cerebral hemispheres	Skull Radiograph		Hyperlipidemia And Fatty Liver	Fatty acid oxidation II		
		Dr .Maryam (Even)	Dr. Shazia (odd)	Dr Riffat (Even)	Dr Saba (Odd)	Dr. Kashif (Even)	Dr. Aneela (Odd)		
09-08-2024 Friday	8:00am-9:00am		9:00am-10:00am		10:00am-11:00am		11:00am-12:00pm		
	MEDICINE		PHYSIOLOGY (LGIS)		PAKSTUDIES/ISLAMMIYAT				
	Spinal cord and peripheral nervous system		Speech and aphasia	Limbic system, Functions of hypothalamus	Musawat	1973 ka Aaeen	1973 ka Aaeen	Musawat	
	Dr Javeria Malik(Even)	Dr Riffat (Odd)	Dr. Shazia (Even)	Dr. Maryam (Odd)	Mufti Naem Sherazi (Even)	Qari Aman Ullah (Odd)	Qari Aman Ullah (Even)	Mufti Naem Sherazi (Odd)	
10-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		ANATOMY (LGIS)	OBS & GYNAE		SGD / DISSECTION	SDL Anatomy Ascending tracts & Descending tracts	
		Limbic system, Functions of hypothalamus	Speech and aphasia		Histology of cerebellum	Embryology Development of Mesencephalon & Prosencephalon			Seizures during pregnancy(eclampsia/epilepsy)
		Dr. Maryam (Even)	Dr. Shazia (Odd)	Asst. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr Ismat Batool (Even)	Dr Sadia Waheed (Odd)		

Break

Break

Break

Break

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> (Anatomy Histology Practical) Ganglia Venue-Histology laboratory (Dr. Sadia Baqir) (Biochemistry Practical) Detection of Cholesterol Crystals (Physiology Practical) Examination of Motor System Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa	
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat	

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Physiology SGD: Autonomic Nervous System (Venue: Lecture Hall No 5) Biochemistry SGD: Fatty Acid Oxidation (Venue: Lecture Hall No 2) 	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01		
	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04		
	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04		
	D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03		

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Second Year Timetable for CNS Module (Third Week) (12-08-2024 To 17-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments						
12-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	ANATOMY (LGIS)		PHYSIOLOGY SDL NO. 1		Break	CBL/SGD/ DISSECTION		SDL Physiology CSF, BBB, Blood CSF Barrier, LP		
		Learning & Memory	Reticular Activating System & Sleep		Embryology Development of Mesencephalon & Prosencephalon	Histology of cerebellum	Somatosensory system & its lesions			CBL (Cystic Astrocytoma of Cerebellum) Cerebellum				
		Dr. Maryam (Even)	Dr. Fahd (Odd)		Prof. Dr. Ifra Saeed (Even)	Asst. Prof. Dr. Maria Tasleem (Odd)	Dr. Ramsha (Odd)	Dr. Ali Zain (Even)						
13-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	BIOCHEMISTRY (LGIS)		PHYSIOLOGY SDL NO. 2		Break	SGD / DISSECTION		SDL Physiology Muscle spindle & Golgi tendon organ		
		Reticular Activating System & Sleep	Learning & Memory		Hyperlipidemia & Fatty Liver	Fatty acid Oxidation-II	CSF, BBB, Blood CSF Barrier, Lumbar puncher			Thalamus, Epithalamus, Subthalamus				
		Dr. Fahd (Even)	Dr. Maryam (Odd)		Dr. Kashif (Even)	Dr. Aneela (Odd)	Dr. Maryam (Even)	Dr. Iqra (Odd)						
14-08-2024 Wednesday	Independence Day													
15-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	BIOCHEMISTRY (LGIS)		PHYSIOLOGY SDL NO. 3		Break	SGD / DISSECTION		SDL Biochemistry Fatty acid oxidation		
		EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers		Fatty acid synthesis	Cholesterol synthesis and regulation, hypercholesterolemia	Introduction to ANS			Hypothalamus				
		Dr. Maryam (Even)	Dr Sidra (Odd)		Dr Aneela (Even)	Dr. Kashif (Odd)	Dr. Farah (Even)	Dr. Najam us Sehar (Odd)						
16-08-2024 Friday	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00– 11:00AM		11:00– 12:00AM		Break	SDL Anatomy Medulla Oblongata & Pons & Cerebellum				
	BIOCHEMISTRY (LGIS)		PHYSIOLOGY (LGIS)		PAKSTUDIES/ISLAMMIYAT									
	Metabolism of Glycerophospholipids and siphonophore lipid	Ketone body metabolism	EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers	Khwateen k hakook		Qayam e Pakistan, Ibtidai Mushkilaat / Islmi Jamuriaiat	Qayam e Pakistan, Ibtidai Mushkilaat / Islmi Jamuriaiat					Khwateen k hakook	
Dr. Kashif (Even)	Dr. Aneela (Odd)	Dr Sidra (Even)	Dr. Maryam (Odd)	Mufti Naem Sherazi (Even)		Qari Aman Ullah (Odd)	Qari Aman Ullah(Even)	Mufti Naem Sherazi (Odd)						
17-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	BIOCHEMISTRY (LGIS)		MEDICINE (LGIS)		Break	SGD / DISSECTION		SDL Anatomy Diencephalon *Online Clinical Evaluation		
		EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers		Cholesterol synthesis and regulation, hypercholesterolemia	Fatty acid synthesis	Cerebellar disorders			Cortical areas, Layers and Lesions of Cerebrum				
		Dr Sidra (Even)	Dr. Maryam (Odd)		Dr. Kashif (Even)	Dr. Aneela (Odd)	Dr Javeria Malik (Even)	Dr Faran Maqbool (Odd)						

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> (Anatomy Histology Practical) Spinal Cord Venue-Histology laboratory (Dr. Gaiti Ara) (Biochemistry Practical) Estimation of serum TAGS (Physiology Practical) Examination of Cerebellar System Venue – Physiology Lab Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa	
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat	

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Second Year Timetable for CNS Module (Fourth Week) (19-08-2024 To 24-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments	
19-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		SURGERY		MEDICINE		SGD / DISSECTION	SDL Physiology Hypothalamus
		Introduction to Cerebellum, Neuronal Circuits of Cerebellum & Its Motor functions Dr. Faizania (Even)	Muscle Spindle & Golgi Tendon organ, role of muscle spindle & Golgi tendon organ in voluntary motor activity Dr. Sidra (Odd)	Management of hydrocephalus Dr. Fraz Mehmood (Even) Dr. Ammad ul Haq (Odd)		Epilepsy and other convulsive disorders Dr. Javeria Malik (Even) Dr. Faran Maqbool (Odd)			
20-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY LGIS		ANATOMY (LGIS)		PBL 2 (SESSION-I)		SGD / DISSECTION	SDL Physiology Properties of reflex action, Control of spinal cord reflexes by higher centers
		Muscle Spindle & Golgi Tendon organ, role of muscle spindle & Golgi tendon organ in voluntary motor activity Dr. Sidra (Even)	Introduction to Cerebellum, Neuronal Circuits of Cerebellum & Its Motor functions Dr. Fazania (Odd)	Histology of Cerebrum Asst. Prof. Dr. Maria Tasleem (Even) Prof. Dr. Ifra Saeed (Odd)		PBL Team			
21-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY SDL NO. 4		ANATOMY (LGIS)		MEDICINE		SGD / DISSECTION	SDL Biochemistry Synthesis & Interconversion of Ketone Bodies (diagrammatically) Regulation of Ketogenesis Ketolases
		EEG & Epilepsy Dr. Maryam (Even) Dr. Iqra (Odd)		Embryology Development of Peripheral and Autonomic Nervous System Prof. Dr. Ifra Saeed (Even) Asst. Prof. Dr. Maria Tasleem (Odd)		Encephalitis Dr. Javeria Malik (Even) Dr. Faran Maqbool (Odd)			
22-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY SDL NO 5		BIOCHEMISTRY SDL		PBL 2 (SESSION-II)		SGD / DISSECTION	SDL Biochemistry
		Reticular Activating System & Sleep Dr. Farah (Even) Dr. Ali Zain (Odd)		Glycerophospholipids & Sphingolipids Dr. Uzma Zafar (Odd) Dr. Rahat (Even)		PBL Team			
23-08-2024 Friday	Practical & CBL/SGD Topics & Venue Mentioned at the end. (Wednesday Batch 14-08-2024)	PHYSIOLOGY SDL NO 6		SGD / DISSECTION		SDL Anatomy Lateral ventricle, Ventricular system, CSF and Blood Brain Barrier			
		Motor Cortex & Physiological Importance of Neocortex, Cortico Spinal or pyramidal Tract Extra Pyramidal System Dr. Maryam (Even) Dr. Iqra (Odd)		Cranial Nerves VIII-XII					
24-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Early Clinical Exposure (ECE)						SDL Anatomy Cranial Nerves 1-7	

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
				Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.			Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70	<ul style="list-style-type: none"> (Anatomy Histology Practical) Cerebellum Venue-Histology laboratory (Dr. Minahil Haq) (Biochemistry Practical) Estimation of Serum HDL (Physiology Practical) Ophthalmoscopy Venue – Physiology Lab 	Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Second Year Timetable for CNS Module (Fifth Week)
(26-08-2024 To 31-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments			
26-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	MEDICINE		FAMILY MEDICINE		Break	SGD / DISSECTION	SDL Physiology Introduction to cerebellum Neuronal circuits of cerebellum
		Manifestations of Cerebellar Disease Dr. Fazania (Even)	Poly synaptic reflexes & transaction of spinal cord, role of brain stem in controlling motor function & lesions of motor system Dr. Sidra (Odd)		Stroke Dr. Javeria Malik (Even) Dr. Faran Maqbool (Odd)		Approach to a patient with neuronal disease Dr. Sadia			Basal Ganglia	
27-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	PHYSIOLOGY SDLNO. 7		BEHAVIORAL SCIENCES		Break	SGD / DISSECTION	SDL Physiology Basal Ganglia & Lesions
		Poly synaptic reflexes & transaction of spinal cord, role of brain stem in controlling motor function & lesions Dr. Sidra (Even)	Manifestations of Cerebellar Disease Dr. Fazania (Odd)		Limbic System & function of Hypothalamus Dr. Maryam (Odd) Dr. Iqra (Even)		Memory & Emotions Dr. M. Azeem Rao (Even) Dr. Zarnain Umar (Odd)			Limbic system and Reticular Formation	
28-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	RADIOLOGY		SURGERY		Break	CBL/SGD/ DISSECTION	SDL Biochemistry Synthesis of Cholesterol and its regulation
		Basal Ganglia & Lesions Dr. Uzma (Even)	Motor Cortex & Physiological importance of Neocortex, Cortico Spinal or Pyramidal tracked, Extra pyramidal Systems Dr. Maryam (Odd)		CT scan and MRI (Brain and Spinal Cord) Dr. Anum Zahoor (even) Dr. Faisal (odd)		Poly trauma patient Dr. Fraz Mehmood (Even) Dr. Ali Tasaddaq(Odd)			CBL(Middle Cerebral Artery Stroke) Blood supply of Brain and Clinicals	
29-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY (LGIS)		Break	ANATOMY (LGIS)		BEHAVIORAL SCIENCES		Break	SGD / DISSECTION	SDL Anatomy Cranial nerves 8-12, Basal Ganglia, Limbic system and Reticular Formation
		Motor Cortex & Physiological importance of Neocortex, Cortico Spinal or Pyramidal tracked, Extra pyramidal Systems Dr. Maryam (Even)	Basal Ganglia & Lesions Dr. Uzma (Odd)		Development of Cranium Prof. Dr. Ifra Saeed (Odd) Prof. Dr. Saima (Even)		Metacognition Dr. Zarnain Umar(even) Dr. Sadia Yasir(odd)			Radiological Imaging of CNS	
30-08-2024 Friday	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00 – 11:00AM		11:00AM – 12:00PM		Break	SDL Anatomy	
	QURAN TRANSLATION IV		QURAN TRANSLATION V		BIOCHEMISTRY (LGIS)		PHYSIOLOGY SDL NO.8				
	Momalat-I Mufti Naeem Sherazi (Odd)	Momalat-II Mufti Naeem Sherazi (Even)	Metabolism of Glycerophospholipids and sphingophospho lipid Dr. Kashif (Even)	Ketone Body Metabolism Dr. Aneela (Odd)	Learning & Memory Dr. Nayab (Even) Dr. Iqra (Odd)						
31-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY SDL NO. 09		Break	PHYSIOLOGY SDL NO. 10		ISLAMİYAT		Break	SGD/ DISSECTION	SDL Biochemistry Online Clinical Evaluation
		Gasal Ganglia & its Lesions Dr. Maryam (Odd) Dr. Iqra (Even)			Sensory Pathways for Transmitting somatic Signals Dr. Jawad (Even) Dr. Usman (Odd)		Haj tul Wida Khutba Mufti Naeem Shirazi			Cross Sectional Study / Dissection	

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> (Anatomy Histology Practical) Cerebrum. Venue-Histology laboratory (Dr. Sadia Baqir) (Biochemistry Practical) Lipid Solubility & Acrolein test (Physiology Practical) Determination of field of vision Venue – Physiology Lab 		Batch	Teacher Name	Batch	Teacher Name	Batch		Teacher Name	Batch	Teacher Name	Batch	
1.	A	01-70			Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
2.	B	71-140			Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
3.	C	141-210			Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
4.	D	211-280			Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
5.	E	281-onwards			Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group DiscussionSGDs / Dissections

Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Anatomy CBL: Middle Cerebral Artery Stroke Physiology SGD: Basal Ganglia & limbic system (Venue: Lecture Hall No 5) Biochemistry SGD: Ketone body metabolism (Venue: Lecture Hall No 2) 	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01		
	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04		
	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04		
	D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03		

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

No PBL during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (CNS Module) Batch 50

The online assessment for CNS Module for Second Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
Second Year MBBS	CNS Module	Monday 05 th August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 06 th August,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 07 th August, 2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 12 th August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 13 th August, 2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 15 th August,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 19 th August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 20 th August,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 21 st August,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry

Second Year Timetable for CNS Module (Sixth Week)
(02-09-2024 to 07-09-2024)

Date / Day	8:00 AM – 9:00 AM	12:00-02:00pm
02-09-2024 Monday	Assessment Week	
03-09-2024 Tuesday		
04-09-2024 Wednesday		
05-09-2024 Thursday		
06-09-2024 Friday		
07-09-2024 Saturday		

Note: Detailed notice regarding content, time and venue will be issued accordingly

Note: Timetable Subject to change according to the current circumstances.

 **BLOCK-III**

(Special Senses Module + Endocrinology Module)

Integrated Clinically Oriented Modular Curriculum for Second Year MBBS

Special Senses Module Time Table

Second Year MBBS

Session 2023-2024

Batch- 50

Special Senses Module Team

Module Name : Reproduction Module
 Duration of module : 04 Weeks
 Coordinator : Dr. Minahil Haq
 Co-coordinator : Dr. Romessa Naeem
 Reviewed by : Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Minahil Haq (Senior Demonstrator of Anatomy)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Romessa (Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Fareed Ullah Khan (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			
7.	Focal Person Physiology	Dr. Sidra Hamid	DME Implementation Team		
			1.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.	DME Implementation Team	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar			
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline Wise Details of Modular Contents

Block	Subjects	Embryology	Histology	Histology Practical SKL. Lab.	Gross Anatomy	CBL	SDL	
III	<ul style="list-style-type: none"> Anatomy 	<ul style="list-style-type: none"> Development of Eye Development of Pharyngeal arches Development of Ear 	<ul style="list-style-type: none"> Histology of Eye Histology of Ear 	<ul style="list-style-type: none"> Cornea Retina External and Internal ear 	<ul style="list-style-type: none"> Facial and superior aspect of cranium (Norma frontalis, Norma verticalis) External surface of cranial base (Norma basalis) Lateral and occipital aspect of cranium (Norma lateralis, occipitalis) Mandible Temporomandibular joint Face Scalp Orbit boundaries and Extraocular muscles Vessels and nerves of orbit Eyeball Eyelid and lacrimal apparatus Parotid and temporal region Infratemporal fossa Pterygopalatine fossa External and middle ear Inner ear Nose and paranasal sinuses 	<ul style="list-style-type: none"> Oculomotor nerve palsy Extra Dural hemorrhage 	<ul style="list-style-type: none"> Norma frontalis, verticalis and basalis Lateralis and occipitalis, TMJ & Mandible Orbit boundaries Extraocular muscles Vessels and Nerves of orbit Temporal and Infra temporal region, Pterygopalatine fossa External and middle ear 	
	<ul style="list-style-type: none"> Physiology 	<ul style="list-style-type: none"> Physiology of Ear & Eye 						
	<ul style="list-style-type: none"> Biochemistry 	<ul style="list-style-type: none"> Receptors, Second messengers, Neurotransmitters, Vitamin A role in vision 						
	Spiral Courses							
	<ul style="list-style-type: none"> The Holy Quran Translation 	<ul style="list-style-type: none"> 						
<ul style="list-style-type: none"> Islamiyat 	<ul style="list-style-type: none"> Imaniyat (Hadith) Zimidaari aur taluqaat 							

	<ul style="list-style-type: none"> ● Uswa-e-hasna
<ul style="list-style-type: none"> ● Pak Studies 	<ul style="list-style-type: none"> ● Pakistan ki jughrafiyai ahmiyat aur difai haisiyat ● Pakistan k hamsaya mumalik se taluqaat ● Pakistan k qudrati wasail-maadniyaat
<ul style="list-style-type: none"> ● Biomedical Ethics / Professionalism 	<ul style="list-style-type: none"> ● Ethical dilemmas Involving breach in Justice
<ul style="list-style-type: none"> ● Behavioral Sciences 	<ul style="list-style-type: none"> ● Perception
<ul style="list-style-type: none"> ● Radiology & Artificial Intelligence 	<ul style="list-style-type: none"> ● General radiologic concepts
<ul style="list-style-type: none"> ● Family Medicine 	<ul style="list-style-type: none"> ● Approach to a patient with earache
Vertical Integration	
<ul style="list-style-type: none"> ● Surgery 	<ul style="list-style-type: none"> ● Plastic surgery
<ul style="list-style-type: none"> ● ENT 	<ul style="list-style-type: none"> ● Nasal polyp & Sinusitis & Diseases of External Nose ● Otitis Media Ear Discharge & Hearing Problems in Children ● Facial fractures
<ul style="list-style-type: none"> ● Medicine 	<ul style="list-style-type: none"> ● Management Of Covid-19 Sense of Smell
<ul style="list-style-type: none"> ● Eye 	<ul style="list-style-type: none"> ● Refractive Errors Strabismus ● Ocular trauma & Ocular Procedures ● Conjunctivitis Chalazion ● Cataract & Glaucoma & Anti glaucoma drugs
Early Clinical Exposure (ECE)	
<ul style="list-style-type: none"> ● Medicine 	<ul style="list-style-type: none"> ● Hyperthyroidism ● Hypothyroidism ● Cushing Syndrome
<ul style="list-style-type: none"> ● Surgery 	<ul style="list-style-type: none"> ● Thyroid Nodule ● Multi nodular Goiter ● CA Thyroid ● Graves Diseases
<ul style="list-style-type: none"> ● Eye 	<ul style="list-style-type: none"> ● Blindness ● Visual field defect ● Cataract
<ul style="list-style-type: none"> ● Otolaryngology 	<ul style="list-style-type: none"> ● Deafness ● Hearing tests ● Nasal Obstruction

Categorization of Modular Contents Anatomy

Category A*	Category B**	Category C***			
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
<ul style="list-style-type: none"> Special Embryology 	<ul style="list-style-type: none"> Special Histology 	<ul style="list-style-type: none"> Facial and superior aspect of cranium (Norma frontalis, Norma verticalis) External surface of cranial base (Norma basalis) Lateral and occipital aspect of cranium (Norma lateralis, occipitalis) Mandible Temporomandibular joint Face Scalp Orbit boundaries Extraocular muscles Vessels and nerves of orbit Eye ball Eyelid and lacrimal apparatus Parotid and temporal region Infratemporal fossa Pterygopalatine fossa External and middle ear Inner ear Nose and paranasal sinuses 	<ul style="list-style-type: none"> Oculomotor nerve palsy Extra Dural hemorrhage 	<ul style="list-style-type: none"> Cornea Retina External and internal ear 	<ul style="list-style-type: none"> Norma frontalis, verticalis and basalis Lateralis and occipitalis, TMJ & Mandible Orbit boundaries & Extraocular muscles Vessels and Nerves of orbit Temporal and Infra temporal region, Pterygopalatine fossa External and middle ear

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrator

Teaching Staff / Human Resources of Department of Anatomy

Sr . #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$2 * 09 = 18$ hours
2.	Small Group Discussions (SGD)	$2*15 + 1*4= 34$ hours
3.	Practical / Skill Lab	$1.5 * 15 = 22.5$ hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$1 * 9 = 09$ hours
2.	Small Group Discussions (SGD)	$2*15 + 1*4= 34$ hours
3.	Practical / Skill Lab	$1.5 * 3 = 4.5$ hours
4.	Self-Directed Learning (SDL)	$2 * 3 = 06$ hours

Physiology

Category A	Category B	Category C
Photochemistry of vision & Physiological basis for photo transduction (By Prof. Dr. Samia Sarwar / Dr. Uzma)	Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction (By Dr. Uzma)	CBL:
Physiology of accommodation and clinical abnormalities (By Prof. Dr. Samia Sarwar / Dr. Uzma)	Introduction to Physiology of external ear, Middle ear (By Dr. Fareed)	PBL:
	Fluid system of the eye Intraocular pressure, Function of the Structural Elements of the Retina (By Dr. Uzma)	Practical: 1. Estimation of Visual Acuity 2. Examination of 8 th Cranial Nerve (vestibular function) 3. Performance of Hearing Test (cochlear function)
	Functions of Inner ear, Physiology of Hearing (By Dr. Fareed)	CBL:
	Hearing abnormalities, Tuning fork tests and audiometry (By Dr. Aneela)	SGD: 1. Physiology of Vision 2. Physiology of hearing & Balance 3. Sense of Taste & Smell
	Light & dark adaptation, Color vision, Neural functions of the retina, Central neurophysiology of vision, Neural pathways for analysis of visual information (By Dr. Uzma)	SDL: (ON CAMPUS) 1. Introduction to Physiology of external ear, Middle ear 2. Functions of Inner ear, Physiology of Hearing 3. Hearing abnormalities, Tuning fork tests and audiometry (OFF CAMPUS) 4. Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction 5. Fluid system of the eye Intraocular pressure, Function of the Structural Elements of the Retina 6. Photochemistry of vision & Physiological basis for photo transduction 7. Vestibular system 8. Sense of Taste and pathophysiology 9. Sense of Smell and pathophysiology
	Vestibular system (By Dr. Sidra)	
	Lesions of visual pathway and its effects on field of vision, Movements of eyeball along with neural control (By Dr. Uzma)	
	Sense of Taste and pathophysiology (By Dr. Kamil)	
	Sense of Smell and pathophysiology (By Dr. Kamil)	

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resources of Department of Physiology

Sr . #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Physiology department	01
2.	Assistant professor of Physiology department (AP)	01
3.	Associate professor of Physiology department	01 (DME)
4..	Demonstrators of Anatomy department	07
5.	Residents of physiology department (PGTs)	08

Contact Hours (Faculty) & Contact Hours (Students)

Sr . #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$12 * 1 = 12$ hours
2.	Small Group Discussions (SGD) Case based learning (CBL)	$1.5 * 3 = 4.5$ hours
3.	Problem based learning (PBL)	--
4.	Practical / Skill Lab	$1.5 * 3 = 4.5$ hours
5.	Self- Directed Learning	$3 \times 1 = 3$ hours (on campus) + $6 \times 1 = 6$ hours (off campus) = 9 hours

Biochemistry

Category A*	Category B**	Category C***			
LGIS	LGIS	PBL	CBL	Practical's	SGD
<ul style="list-style-type: none"> • Neurotransmitter • Second Messenger 	<ul style="list-style-type: none"> • Receptors • G-Proteins • Role of Vitamin A in Vision 		Night Blindness	<ul style="list-style-type: none"> • Lipid Profile • Urine Report Revision • Spectrophotometer Revision 	<ul style="list-style-type: none"> • Neurotransmitters • G-Proteins

Category A*: By HOD and Assistant Professor

Category B:** By All (HOD, Assistant Professors, Senior Demonstrators)

Category C*:** (By All Demonstrators)

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	07

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	$2 * 5 = 10\text{hours}$	05
2.	Small Group Discussions (SGD)	$1.5 * 5 = 7.5\text{hours} = 22.5 \text{ hrs}$	4.5
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	$1.5 * 5 = 7.5\text{hours} = 22.5 \text{ hrs}$	4.5
5.	Self-Directed Learning (SDL)	-----	05

Special Senses Module (First Week)
(12-09-2024 To 18-09-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
12-09-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		BEHAVIORAL SCIENCES		Break	SGD/DISECTION	SDL Physiology Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction
		Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction	Introduction to Physiology of external ear, Middle ear		Histology of Eye-I	Development of Eye-I	Perception			Facial and superior aspect of cranium (Norma frontalis & Norma verticalis)	
		Dr. Uzma (Even)	Dr. Fareed (Odd)		Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Mahmood Ali (even)	Dr. Sarah Afzal (Odd)			
13-09-2024 Friday	8:00 AM – 9:00 AM	9:00 AM – 10:00 AM		10:00 – 11:00AM		11:00AM – 12:00PM		Break	SDL Anatomy Norma frontalis, verticalis and basalis		
	SURGERY	PHYSIOLOGY LGIS		ISLAMIYAT		ANATOMY LGIS					
	Plastic surgery	Introduction to Physiology of external ear, Middle ear	Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction	Imaniat (hadith)		Development of Eye-I	Histology of Eye-I				
	Dr. Hassnain	Dr. Fareed (Even)	Dr. Uzma (Odd)	Mufti Naem Sherazi (Even)		Prof. Dr. Ifra Saeed (Even)	Assist. Prof. Dr. Maria (Odd)				
14-09-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	BIOMEDICAL ETHICS CLUB ACTIVITY		SGD/DISECTION		Break	CBL/DISECTION	SDL Physiology Fluid system of the eye Intraocular pressure, Function of the Structural Elements of the Retina
		Fluid system of the eye Intraocular pressure, Function of the Structural Elements of the Retina	Functions of Inner ear, Physiology of Hearing		Ethical dilemmas Involving breach in Justice		Mandible			Lateral and occipital aspect of cranium (Norma lateralis & occipitalis)	
		Dr. Uzma (Even))	Dr Fareed (Odd)				Extra Dural hemorrhage				
16-09-2024 Monday	Eid Milad-un-Nabi (12 th Rabi-ul- Awwal 1446 A.H)										
17-09-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	BIOCHEMISTRY (LGIS)		Break	FAMILY MEDICINE		SGD/DISECTION		Break	SGD/DISECTION	SDL Anatomy Norma lateralis and occipitalis, TMJ & Mandible
		Receptors	Neurotransmitters		Approach to a patient with earache		Face			Temporomandibular joint	
		Dr. Uzma (Even)	Dr. Aneela (Odd)		Dr. Sadia (even)	Dr. Amna (Odd)					
18-09-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	RADIOLOGY		Break	BIOCHEMISTRY (LGIS)		PAK STUDIES		Break	SGD/DISECTION	SDL Biochemistry Receptors
		General radiologic concepts			Neurotransmitters	Receptors	Pakistan ki jughrafaiyai ahmiyat aur difai haisiyat				
		Dr. Quratalain (even)	Dr. Riffat (Odd)		Dr. Aneela (Even)	Dr. Uzma (Odd)	Qari Aman Ullah (Odd)		Scalp		

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion																															
				Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD																				
Sr. No	Batch	Roll No.	Batch		Teacher Name	Batch	Teacher Name	Batch		Teacher Name	Batch	Teacher Name	Batch		Teacher Name																				
1.	A	01-70	<ul style="list-style-type: none"> • Cornea (Anatomy Histology Practical) Venue-Histology laboratory-Dr. Tariq Furqan • (Biochemistry Practical) Lipid Profile Venue- Biochemistry laboratory • Examination of Visual Acuity (Physiology Practical) Venue – Physiology Lab 	Monday	C	Supervised by HOD	B	Dr. Rahat	Supervised by HOD	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma																				
2.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas																				
3.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa																				
4.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab																				
5.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat																				
				Topics for SGDs / CBL with Venue	<p align="center">Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections</p> <table border="1"> <thead> <tr> <th>Batches</th> <th>Roll No</th> <th>Anatomy Teacher</th> <th>Venue</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>01-90</td> <td>Dr. Gaiti Ara</td> <td>New Lecture Hall Complex # 01</td> </tr> <tr> <td>B</td> <td>91-180</td> <td>Dr. Minahil Haq</td> <td>New Lecture Hall Complex # 04</td> </tr> <tr> <td>C</td> <td>181-270</td> <td>Dr. Tariq Furqan</td> <td>Anatomy Lecture Hall 04</td> </tr> <tr> <td>D</td> <td>271 onwards</td> <td>Dr. Sadia Baqir</td> <td>Anatomy Lecture Hall 03</td> </tr> </tbody> </table> <p align="center">Supervised by Prof. Dr. Ayesha Yousaf</p>												Batches	Roll No	Anatomy Teacher	Venue	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	D	271 onwards	Dr. Sadia Baqir
Batches	Roll No	Anatomy Teacher	Venue																																
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01																																
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04																																
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04																																
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03																																

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Special Senses Module (Second Week)
(19-09-2024 To 25-09-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)				
19-09-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	ENT		Break	PHYSIOLOGY LGIS		BIOCHEMISTRY (LGIS)		Break	CBL/ DISSECTION	Orbit Extraocular muscles (oculomotor nerve palsy)	SDL Anatomy Orbit boundaries Extraocular muscles
		Nasal polyp& Sinusitis & Diseases of External Nose	Dr. Sundas Masood (even)		Dr. Tabasum (Odd)	Photochemistry of vision &Physiological basis for photo transduction	Hearing abnormalities, Tuning fork tests and audiometry	Role Of Vitamin A In Vision				
20-09-2024 Friday	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00 AM – 11:00AM		11:00AM – 12:00PM		SDL Anatomy Vessels and Nerves of orbit			
	EYE		PHYSIOLOGY LGIS		ISLAMIAT		BIOCHEMISTRY (LGIS)					
Ocular trauma & Ocular Procedures	Dr. Wajeeha (even)	Dr. Sidra Naseem(Odd)	Functions of Inner ear, Physiology of Hearing	Fluid system of the eye Intraocular pressure, Function of the Structural Elements of the Retina	Zimidaari aur taluqaat		G-Proteins	Role Of Vitamin A In Vision				
			Dr. Fareed (Even)	Dr. Uzma (Odd)	Mufti Naem Sherai (Even)	Qari Aman Ullah (Odd)	Dr. Uzma/ Dr. Aneela (Even)	Dr. Almaas (Odd)				
21-09-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY (LGIS)		JOINT SESSION /EYE		SGD/DISSECTION	Vessels and Nerves of Orbit	SDL Physiology Photochemistry of vision &Physiological basis for photo transduction	
		Hearing abnormalities, Tuning fork tests and audiometry	Photochemistry of vision &Physiological basis for photo transduction		Histology of Eye-II	Development of Eye-II	Cataract & Glaucoma & Anti glaucoma drugs					
			Dr. Aneela (Even)	Prof. Dr. Samia / Dr. Uzma(Odd)	Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Ambreen (even)	Dr. Bilal (Odd)				
23-09-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY (LGIS)		EYE		SGD/DISSECTION	Eyeball	SDL physiology Vestibular system	
		Light & dark adaptation, Color vision, Neural functions of the retina, Central neurophysiology of vision, Neural pathways for analysis of visual information	Vestibular system		Development of Eye-II	Histology of Eye-II	Conjunctivitis Chalazion					
			Dr. Uzma (Even)	.Dr. Sidra (odd)	Prof. Dr. Ifra Saeed (Even)	Assist. Prof. Dr. Maria (Odd)	Dr. Salman (even)	Dr. Fatima (Odd)				
24-09-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY (LGIS)		SGD/DISECTION		SGD/DISSECTION	Eyelids and Lacrimal apparatus	SDL Biochemistry G-Proteins	
		Vestibular system	Light & dark adaptation,Color vision, Neural functions of the retina, Central neurophysiology of vision, Neural pathways for analysis of visual information		Histology of Ear	Development of Pharyngeal Apparatus	Parotid & Temporal region					
			.Dr. Sidra (Even)	Dr.Uzma (Odd)	Assist. Prof. Dr. Maria (Odd)	Prof. Dr. Ifra Saeed (Even)						
25-09-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	ANATOMY (LGIS)		Break	BIOCHEMISTRY (LGIS)		PAK STUDIES		SGD/DISECTION	Dissection	SDL Biochemistry Role Of Vitamin A In Vision	
		Development of Pharyngeal Apparatus	Histology of Ear		Second messenger system	Second messenger system	Pakistan k hamsaya mumalik se taluqaat / Aqliayt ka Tahafuz					
			Prof. Dr. Ifra Saeed (Odd)	Assist. Prof. Dr. Maria (Even)	Dr . Uzma (Even)	Dr Aneela (Odd)	Qari Aman Ullah (Even)	Mufti Naem Sherai(Odd)				

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> Retina (Anatomy Histology Practical) Venue-Histology laboratory-Dr. Tariq Furqan (Biochemistry Practical) Urine Report Venue- Biochemistry laboratory Examination of 8th Cranial Nerve (Vestibular function) (Physiology Practical) Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
2.	B	71-140		Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	
3.	C	141-210		Wednesday	E		D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa	
4.	D	211-280		Thursday	B		A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	
5.	E	281-onwards		Saturday	A		E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat	

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Special Senses Module (Third Week)
(26-09-2024 To 02-10-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
26-09-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	EYE	SGD/DISSECTION	Break	Anatomy SDL Temporal and Infra temporal region, Pterygopalatine fossa
		Lesions of visual pathway and its effects on field of vision, Movements of eye ball along with neural control	Sense of Taste and pathophysiology		Refractive Errors Strabismus	Dissection		
		Dr. Uzma (Even)	Dr. Kamil (Odd)		Dr. Sidra Jabeen (Even)	Dr. Maria (Odd)		
27-09-2024 Friday	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00 – 11:00AM		11:00AM – 12:00PM	
	ENT		PHYSIOLOGY LGIS		ISLAMIAT		SGD/DISSECTION	
	Otitis Media Ear Discharge &Hearing Problems in Children	Sense of Taste and pathophysiology	Lesions of visual pathway and its effects on field of vision, Movements of eye ball along with neural control	Uswa-e-hasna		Dissection	SDL Biochemistry 2 nd Messenger System	
	Dr. Haitum (Even)	Dr. Arshad (Odd)	Dr. Kamil (Even)	Dr. Uzma (Odd)	Mufti Naem Sherai (Even)	Qari Aman Ullah (Odd)		
28-09-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		ISLAMIAT	Break
		Physiology of accommodation and clinical abnormalities	Sense of Smell and pathophysiology		Development of Ear	Development of Nose	Halal ke Ahmiat	
		Prof.Dr. Samia Sarwar/ Dr Uzma (Even)	Dr. Kamil (Odd)		Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Mufti Naeem Shirazi	Anatomy SDL External and middle ear
30-09-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		ENT	Break
		Sense of Smell and pathophysiology	Physiology of accommodation and clinical abnormalities		Development of Nose	Development of Ear	Facial fractures	
		Dr Kamil (Even)	Prof.Dr. Samia Sarwar/ Dr Uzma (Odd)		Prof. Dr. Ifra Saeed (Even)	Assist. Prof. Dr. Maria (odd)	Dr. Nida (Even)	Dr. Ashar (Odd)
01-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY SDL NO.01		Break	ANATOMY LGIS		SGD/DISSECTION	Break
		Introduction to Physiology of external ear, Middle ear			Development of Palate	Development of Palate	Inner ear	
		Dr.Fareed (Even)	Dr Afsheen (Odd)		Prof. Dr. Ifra Saeed (Odd)	Assist. Prof. Dr. Maria (Even)		SDL Physiology Sense of Smell and pathophysiology Online clinical Evaluation
02-10-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	PAKSTUDIES		Break	PHYSIOLOGY SDL No. 02		SGD/DISECTION	Break
		Pakistan k qudrati wasail-maadniyaat / Zaraat			Functions of Inner ear, Physiology of Hearing		Cross Sectional Anatomy	
		Qari Aman Ullah (Even)	Mufti Naem Sherazi (Odd)		Dr. Fareed (Even)	Dr Ali Zain (Odd)		Nose and paranasal sinuses

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day		Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD
Sr. No	Batch	Roll No.	<ul style="list-style-type: none"> External & Internal Ear (Anatomy Histology Practical) Venue- Histology laboratory-Dr. Tariq Furqan (Biochemistry Practical) Revision of Spectrophotometer Venue- Biochemistry laboratory Performance of Hearing Test (cochlear function) (Physiology Practical) Venue – Physiology Lab 	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	
1.	A	01-70		<ul style="list-style-type: none"> (Biochemistry Practical) Revision of Spectrophotometer Venue- Biochemistry laboratory Performance of Hearing Test (cochlear function) (Physiology Practical) Venue – Physiology Lab 	Monday	C	B	Dr. Rahat	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
2.	B	71-140			Tuesday	D	C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas	
3.	C	141-210			Wednesday	E	D	Dr. Uzma	B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa	
4.	D	211-280			Thursday	B	A	Dr. Almas	D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab	
5.	E	281-onwards			Saturday	A	E	Dr. Romessa	C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat	

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Physiology SGD: Physiology of Taste & Smell (Venue: Lecture Hall No 5) Biochemistry CBL: Night Blindness 	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01		
	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04		
	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04		
	D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03		

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Tentative Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Special Senses Module) Batch 50

The online assessment for Special Senses Module for Second Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
Second Year MBBS	Special Senses Module	Tuesday 17 th September,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Wednesday 18 th September,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 19 th September,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 23 rd September,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 24 th September,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 25 th September,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry

Note: All dates are subject to date.

Special Senses Module (Fourth Week)
(03-10-2024 To 09-10-2024)

Date / Days	08:00am – 02:00pm
03-10-2024 Thursday	Assessment Week
04-10-2024 Friday	
05-10-2024 Saturday	
07-10-2024 Monday	
08-10-2024 Tuesday	
09-10-2024 Wednesday	

Note: Timetable Subject to Change According to The Current Circumstances.

Integrated Clinically Oriented Modular Curriculum for Second Year MBBS

Endocrinology Module Time Table

Second Year MBBS

Session 2023-2024

Batch- 50

Endocrinology Module Team

Module Name : Endocrinology Module
 Duration of module : 04 Weeks
 Coordinator : Dr. Sidra Hamid
 Co-coordinator : Dr.
 Reviewed by : Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Sidra Hamid (Assistant Professor of Physiology)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. (Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Aneela Yasmeen (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem	DME Implementation Team		
7.	Focal Person Physiology	Dr. Sidra Hamid			
8.	Focal Person Biochemistry	Dr. Aneela Jamil	1.	Director DME	Prof. Dr. Ifra Saeed
9.	Focal Person Pharmacology	Dr. Zunera Hakim	2.	Assistant Director DME	Dr Farzana Fatima
			3.	DME Implementation Team	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar			
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline wise Details of Modular Contents

Block	Subjects	Embryology	Histology	Histology Practical SKL. Lab.	Gross Anatomy	CBL	SDL	
III	<ul style="list-style-type: none"> ● Anatomy 	<ul style="list-style-type: none"> ● Development of pituitary & pineal gland ● Developmnt of thyroid & parathyroid gland ● Developmnt adrenal gland and pancreas 	<ul style="list-style-type: none"> ● Pituitary & pineal gland ● Thyroid & parathyroid gland ● Adrenal gland and pancreas 	<ul style="list-style-type: none"> ● Pituitary Gland ● Thyroid & parathyroid gland ● Adrenal gland ● Pancreas 	<ul style="list-style-type: none"> ● Bones of neck. Hyoid Bone & Cervical vertebrae ● Fascias of Neck ● Superficial structurs of neck ● Lateral-cervical region (muscles & triangles) ● Latera-cervical-region (neurovascular organization) ● Interior-cervical region(muscles) ● Interior-cervical region (vessels of neck & cervical plexus) ● Submandular region ● Soft palate ● Deep structures of neck ● Root of neck ● Thyroid&Parathyroid gland ● Larynx ● Pharynx ● pancreas 		<ul style="list-style-type: none"> ● Bones of neck ● SCM region & superficial & deep fascia ● lateral cervical region ● Anterior Triangle of neck & its subdivisions ● Thyroid and para thyroid gland ● Online SDL Evaluation ● soft palate, larynx 	
	<ul style="list-style-type: none"> ● Physiology 	<ul style="list-style-type: none"> ● Classification of hormones, Mechanism of action of different hormones Physiology of Thyroid hormones, Adrenal hormones, Insulin and glucagon, Blood glucose regulation, Role of Calcium & Phosphate 						
	<ul style="list-style-type: none"> ● Biochemistry 	<ul style="list-style-type: none"> ● Classification of hormones, Thyroid hormones, Adrenal hormones, Insulin and glucagon, Blood glucose regulation, Calcium revisit 						
	Spiral Courses							
	<ul style="list-style-type: none"> ● The Holy Quran Translation 	<ul style="list-style-type: none"> ● 						
	<ul style="list-style-type: none"> ● Islamiyat 	<ul style="list-style-type: none"> ● 						
	<ul style="list-style-type: none"> ● Biomedical Ethics 	<ul style="list-style-type: none"> ● History of Medical Ethics 						
	<ul style="list-style-type: none"> ● Behavioral Sciences 	<ul style="list-style-type: none"> ● Professionalism In Healthcare 						
	<ul style="list-style-type: none"> ● Radiology & Artificial Intelligence 	<ul style="list-style-type: none"> ● Basics of Radiology 						

• Family Medicine	• Approach to patient diabetes mellitus
Vertical components	
• Peads	• Growth problems due to Endocrine causes
• Surgery	• Thyroid Disorders
• Pathology	• Hypothyroidism and hyperthyroidism
• Medicine	• Diabetes Mellitus
• Obs & Gynae	• Endocrine Disorders in Pregnancy (Diabetes Mellitus, Thyroid Disorders)
Early Clinical Exposure (ECE)	
• Medicine	<ul style="list-style-type: none"> • Thyroid disorders • Hyperthyroidism • Hypothyroidism • Cushing Syndrome
• Surgery	<ul style="list-style-type: none"> • Thyroid Nodule • Multi nodular Goiter • CA Thyroid • Graves Diseases
• Eye	<ul style="list-style-type: none"> • Blindness • Visual field defect • Cataract
• Otolaryngology	<ul style="list-style-type: none"> • Deafness • Hearing tests • Nasal Obstruction

Categorization of Modular Contents

Anatomy

Category A*	Category B**	Category C***			
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
<ul style="list-style-type: none"> Special Embryology 	<ul style="list-style-type: none"> Special Histology 	<ul style="list-style-type: none"> Bones of neck Hyoid Bone & Cervical vertebrae Fascias of Neck Superficial structures of neck Lateral-cervical region (Muscles & triangles) Lateral-cervical-region (Neurovascular organization) Anterior-cervical region (Muscles) Anterior-cervical region (Vessels of neck & cervical plexus) Submandibular region Soft palate Deep structures of neck Root of neck Thyroid & Parathyroid gland Larynx Pharynx Pancreas 	<ul style="list-style-type: none"> Multi Nodular Goitre with Hypothyroidism Torticollis 	<ul style="list-style-type: none"> pituitary gland Thyroid & parathyroid gland Adrenal gland pancreas 	<ul style="list-style-type: none"> Bones of neck SCM region & superficial & deep fascia lateral cervical region Anterior Triangle of neck & its subdivisions Thyroid and para thyroid gland <li style="background-color: #ffff00;">Online SDL Evaluation SDL Anatomy soft palate, larynx

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrator

Teaching Staff / Human Resources of Department of Anatomy

Sr .#	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$6*2=12$
2.	Small Group Discussions (SGD)	$15*2+2*1=32$
3.	Practical / Skill Lab	$20*1.5=30$

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	$1 * 6 = 06$ hours
2.	Small Group Discussions (SGD)	$2*15 = 32$ hours
3.	Practical / Skill Lab	$1.5 * 4 = 06$ hours
4.	Self-Directed Learning (SDL)	$2 * 4 = 08$ hours

Physiology

Category A	Category B	Category C
Thyroid hormone: Production, storage and release (By Prof. Dr.Samia Sarwar / Dr. Iqra)	Hypothalamic–pituitary axis& GH (By Dr. Kamil)	CBL: Adrenocortical Hormone
Physiology of accommodation and clinical abnormalities (By Prof. Dr. Samia Sarwar / Dr. Uzma)	Abnormalities of growth hormone secretion (By Dr. Kamil)	PBL:
Physiological role of thyroid hormone (By Prof. Dr.Samia Sarwar / Dr. Iqra)	Insulin and glucagon:	Practical: 1. Examination of pupillary reaction 2. Checking for color vision 3. Revision of practica
	Structure and metabolic functions (By Dr. Fareed)	
Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism) (By Prof. Dr.Samia Sarwar / Dr. Iqra)	Hormones of posterior pituitary gland (oxytocin and ADH) (By Dr. Kamil)	SGD: 1. Signal transduction & Growth hormone. 2. Thyroid Hormones 3. Insulin and Glucose Metabolism 4. Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism) 5. Insulin and Glucagon:Structure and metabolic functions (Second week) 6. Adrenal gland and its hormones (Fourth week)
	Regulation of blood Glucose & Diabetes mellitus (By Dr.Fareed)	
` Introduction to endocrinology & Signal transduction -I (By Dr. Shmyla)	Aldosterone and cortisol (By Dr.Sheena)	SDL: (ON CAMPUS) 1. Regulation of blood Glucose & Diabetes mellitus 2. Abnormalities of adrenocortical hormone 3. Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism)
	Abnormalities of adrenocortical hormone (By Dr.Sheena)	
Introduction to endocrinology & Signal transduction- II (By Dr. Shmyla)	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin) (By Dr.Fahad)	(OFF CAMPUS) 1. Hypothalamic–pituitary axis & GH 2. Introduction to endocrinology & Signal transduction 3. Insulin and glucagon 4. Aldosterone and cortisol 5. Thyroid hormone 6. Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism) 7. Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin)

Category A*: By Professors

Category B:** By Associate & Assistant Professors

Category C*:** By Senior Demonstrators & Demonstrators

Teaching Staff / Human Resources of Department of Physiology

Sr .#	Designation of Teaching Staff / Human Resource	Total Number Of Teaching Staff
1.	Professor of Physiology department	01
2.	Assistant professor of Physiology department (AP)	01
3.	Associate professor of Physiology department	01 (DME)
4.	Demonstrators of Anatomy department	07
5.	Residents of physiology department (PGTs)	08

Contact Hours (Faculty) & Contact Hours (Students)

Sr .#	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1. 14 * 1= 14 hours
2.	Small Group Discussions (SGD) Case based learning (CBL)	1.5 * 4 = 6 hours + 2 hrs = 8 hours
3.	Problem based learning (PBL)	--
4.	Practical / Skill Lab	1.5 * 3 = 4.5 hours
5.	Self- Directed Learning	3x1=3hours (on campus) + 7x1=7hours (off campus) = 10hours

Biochemistry

Category A*	Category B**	Category C***			
LGIS	LGIS	PBL	CBL	Practical's	SGD
<ul style="list-style-type: none"> Insulin & Glucagon 	<ul style="list-style-type: none"> Classification & mechanism of action of hormones, Calcium metabolism (Revisit) Thyroid Hormones Adrenocortical Hormones Blood Glucose Regulation 		<ul style="list-style-type: none"> Thyrotoxicosis Addison's Disease 	<ul style="list-style-type: none"> Blood Glucose Estimation Glucose Tolerance Test Glucose Tolerance Test Revision Practical Revision/Completion of practical notebooks 	<ul style="list-style-type: none"> Classification & mechanism of action of Endocrine Hormones Adrenocortical Hormones

Category A*: By HOD and Assistant Professor

Category B:** By All (HOD, Assistant Professors, Senior Demonstrators)

Category C*:** (By All Demonstrators)

Teaching Staff / Human Resource of Department of Biochemistry

Sr. #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	07

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	$2 * 8 = 16\text{hours}$	08
2.	Small Group Discussions (SGD)	$1.5 * 5 = 7.5 * 4 = 30\text{ hrs}$	6
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	$1.5 * 5 = 7.5 * 4 = 30\text{ hrs}$	6
5.	Self-Directed Learning (SDL)	-----	07

Endocrinology Module (First Week) (10-10-2024 To 16-10-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
10-10-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		PAKSTUDIES		Break	SGD/DISECTION	SDL Anatomy lateral cervical region
		Introduction to endocrinology & Signal transduction I	Hypothalamic–pituitary axis& GH		Development of pituitary&. pineal gland	Histology of pituitary& pineal gland	Tareek e Khatm e Naboat / Muslim Milat ke Buniyad			Bones of neck Hyoid bone& Cervical Vertebrae	
		Dr. Shmyla (Even)	Dr. Kamil (Odd)		Asst Prof Dr. Maria Tasleem (Even)	Prof. Dr Ifra Saeed (Odd)	Qari Aman Ullah				
11-10-2024 Friday	8:00 AM – 9:00 AM BEHAVIOURAL SCIENCES LGIS		9:00 AM – 10:00 AM PHYSIOLOGY LGIS		10:00 – 11:00AM ANATOMY LGIS		11:00AM – 12:00PM BIOCHEMISTRY LGIS		SDL Biochemistry Classification of endocrine hormones		
	Professionalism in healthcare		Hypothalamic–pituitary axis& GH	Introduction to endocrinology & Signal transduction I	Histology of pituitary & pineal gland	Development of pituitary&. pineal gland	Classification & Mechanism of action of Endocrine Hormone,	Thyroid Hormone			
	Dr. Zarnain Umar (even)	Dr. Sadia Yasir (odd)	Dr Kamil (Even)	Dr. Shmyla (Odd)	Asst Prof Dr. Maria Tasleem (Even)	Prof. Dr Ifra Saeed (Odd)	Dr. Isma (Even)	Dr. Almas (Odd)			
12-10-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	PAKSTUDIES		RADIOLOGY		Break	CBL/DISECTION	SDL physiology Hypothalamic–pituitary axis& GH
		Introduction to endocrinology & Signal transduction-II	Abnormalities of growth hormone secretion		Islam Ka Mashhi Nizam		Basics of Radiology			Superficial structures of neck (Stnucleido mastoid region of neck, posteripor cervical region suboccipital triangle)	
		Dr. Shmyla (Even)	Dr. Kamil (Odd)		Qari Aman Ullah		Dr Fiza (even)	Dr Zeenat (odd)			
14-10-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	PAKSTUDIES		PBL 1 (SESSION-I)		Break	SGD/DISECTION	SDL Physiology Introduction to endocrinology & Signal transduction
		Abnormalities of growth hormone secretion	Abnormalities of growth hormone secretion		2 Qoumi Nazria / Islami Mumliqat Qiyam		PBL Team			Lateral cervical region (Muscles)	
		Dr. Kamil (Even)	Dr. Shmyla (Odd)		Qari Aman Ullah						
15-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY (LGIS)		Break	SGD/DISECTION				Break	SGD/DISECTION	SDL Anatomy SCM region & superficial & deep fascia
		Insulin and Glucagon: Structure and metabolic functions	Hormones of posterior pituitary gland (Oxytocin and ADH)		Lateral cervical region (Neurovascular Organization)					Superficial and deep fascias of the neck	
		Dr. Fareed (Even)	Dr. Kamil (Odd)								
16-10-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	PEADS		Break	ANATOMY		PBL 1 (SESSION-II)		Break	SGD/DISECTION	SDL Biochemistry Mechanism of Action of Hormones
		Growth problems due to Endocrine causes			Development of thyroid and parathyroid gland	Histology of thyroid and para thyroid gland	PBL Team			Anterior cervical region (Anterior Triangles of neck)	
		Dr. Hina Sattar			Dr. Prof. Ifra Saeed (Even)	Asst Prof Dr. Maria Tasleem (Odd)					

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion											
			<ul style="list-style-type: none"> Pituitary gland (Anatomy, Histology Practical) Blood glucose estimation (Biochemistry practical) Examination of pupillary reaction (Physiology practical) 	Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD	
Sr. No	Batch	Roll No.		Batch	Teacher Name	Batch	Teacher Name	Batch		Teacher Name	Batch	Teacher Name	Batch		Teacher Name	
1.	A	01-70		Monday	C	Supervised by HOD	B	Dr. Rahat		E	Dr. Kamil	A	Dr. Aneela		D	Dr. Uzma
2.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia		E	Dr. Almas
3.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab		A	Dr. Romessa
4.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra		C	Dr. Nayab
5.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs / CBL with Venue		Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
<ul style="list-style-type: none"> Anatomy CBL: Torticollis Physiology SGD: Signal transduction & Growth hormone. Biochemistry SGD: Classification of Endocrines Hormone & Adrenocortical Hormone 	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01		
	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04		
	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04		
	D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03		

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Endocrinology Module (Second Week)

(17-10-2024 To 23-10-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
17-10-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		BIOCHEMISTRY LGIS		Break	SGD/DISECTION	SDL Anatomy lateral cervical region
		Hormones of posterior pituitary gland (Oxytocin and ADH)	Insulin and Glucagon: Structure and metabolic functions		Histology of thyroid parathyroid gland	Development of thyroid & parathyroid gland	Thyroid Hormone	Classification & Mechanism of action of Endocrine Hormone,		Anterior cervical region (Vessels of Neck)	
		Dr. Kamil (Even)	Dr. Fareed (Odd)		Asst Prof Dr. Maria Tasleem (Even)	Prof. Dr Ifra Saeed (Odd)	Dr. Almas (Even)	Dr. Isma (Odd)			
18-10-2024 Friday	8:00 AM – 9:00 AM		9:00 AM – 10:00 AM		10:00 – 11:00AM		11:00AM – 12:00PM		SDL Anatomy Anterior Triangle of neck & its subdivisions		
	BIOMEDICAL ETHICS		PHYSIOLOGY LGIS		BIOCHEMISTRY (LGIS)		PBL 2 (SESSION-I)				
	History of Medical Ethics		Regulation of blood Glucose & Diabetes mellitus	Aldosterone and Cortisol	Insulin & Glucagon - I	Parathyroid Hormone & Calcitonin	PBL Team				
	Dr. Arsalan Even	Dr. Maria Odd	Dr. Fareed (Even)	Dr. Sheena (Odd)	Dr. Aneela (Even)	Dr. Isma (Odd)					
19-10-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ISLAMIAYT		SGD/DISECTION		Break	SGD/DISECTION	SDL Physiology Insulin and Glucagon
		Aldosterone and Cortisol	Regulation of blood Glucose & Diabetes mellitus		Rasalat		Root of neck (arteries, veins & nerves)			Submandibular region	
		Dr. Sheena (Even)	Dr. Fareed (Odd)		Mufti Naem Shirazi						
21-10-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ISLAMIAYT		PBL 2 (SESSION-II)		Break	SGD/DISECTION	SDL Physiology Aldosterone and Cortisol
		Thyroid hormone: Production, storage and release	Abnormalities of adrenocortical hormone		Itihad e Umat		PBL Team			Deep structures of neck, prevertebral muscles	
		Prof. Dr. Samia Sarwar/ Dr. Iqra (Even)	Dr. Sheena (Odd)		Mufti Naem Shirazi						
22-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	Early Clinical Exposure (ECE)									
23-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	PATHOLOGY		Break	PHYSIOLOGY (LGIS)		SGD/DISECTION		Break	CBL/DISECTION	SDL Biochemistry Type I & II Diabetes Mellitus Glucose Tolerance Test Curves Online clinical Evaluation
		Hypothyroidism and hyperthyroidism			Abnormalities of Adrenocortical hormone	Thyroid hormone: Production, storage and release	Soft palate			Thyroid & Parathyroid glands	
		Dr. Nida Fatima (even)	Dr. Faiza Zafar (Odd (odd)		Dr. Sheena (Even)	Prof. Dr. Samia Sarwar/ Dr. Iqra (Odd)					

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion											
				Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD
Sr. No	Batch	Roll No.	Batch		Teacher Name	Batch	Teacher Name	Batch		Teacher Name	Batch	Teacher Name	Batch		Teacher Name
6.	A	01-70	<ul style="list-style-type: none"> Thyroid & Parathyroid gland (Anatomy, Histology) Practical G.T.T (Biochemistry practical) Checking for color vision (Physiology practical) (Physiology practical) 	Monday	C	Supervised by HOD	B	Dr. Rahat	Supervised by HOD	E	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
7.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
8.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab	A	Dr. Romessa
9.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra	C	Dr. Nayab
10.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil	B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Batches	Roll No	Anatomy Teacher	Venue	Supervised by Prof. Dr. Ayesha Yousaf
A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
6.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
7.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
8.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
9.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
10.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Endocrinology Module (Third Week)
(24-10-2024 To 30-10-2024)

Date / Day	8:00am-9:20am	9:20am – 10:10am	10:10am-10:30am	10:30am-11:20am	11:20am-12:10pm	12:10pm-12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
24-10-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		GYNAE & OBS		Break	SGD/DISECTION	SDL Physiology Thyroid Hormones
		Physiological role of thyroid hormone	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin)		Development of adrenal gland and pancreas	Histology of adrenal gland & pancreas	Endocrine disorders in pregnancy (diabetes mellitus, thyroid disorders)			Larynx & trachea	
		Prof. Dr.Samia Sarwar/ Dr. Iqra(Even)	Dr. Fahad (Odd)		Prof. Dr Ifra Saeed (Even)	Asst Prof Dr. MariaTasleem (Odd)	Dr. Sabeen Ashraf (Even)	Dr. Saba Yusaf (Odd)			
25-10-2024 Friday	8:00 AM – 9:00 AM	9:00 AM – 10:00 AM		10:00 – 11:00AM		11:00AM – 12:00PM		SDL Biochemistry Hypoglycemia Diabetic Ketoacidosis & Hyperosmolar Hyperglycemic State			
	ISLAMIAYAT	PHYSIOLOGY LGIS		BIOCHEMISTRY LGIS		FAMILY MEDICINE					
	Amal Bin Maroof	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin)	Physiological role of thyroid hormone	Parathyroid Hormone & Calcitonin	Insulin & Glucagon - I	Approach to Patient Diabetes mellitus					
Mufti Naeem Sherazi	Dr. Fahad (Even)	Prof. Dr.Samia Sarwar/ Dr. Iqra (Odd)	Dr. Isma(Even)	Dr. Aneela (Odd)	Dr. Sadia Khan						
26-10-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY LGIS		Break	ANATOMY LGIS		BIOCHEMISTRY LGIS		Break	SGD/DISECTION	Anatomy SDL Temporal and Infra temporal region, Pterygopalatine fossa Online clinical Evaluation
		Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism)	Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism)		Histology of adrenal gland and pancreas	Development of adrenal gland and pancreas	Adrenocortical Hormones - I	Insulin & Glucagon - II		Dissection	
		Prof. Dr.Samia Sarwar/ Dr. Iqra (Even)	Dr. Fahad (Odd)		Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Isma (Even)	Dr. Aneela (Odd)			
28-10-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY (LGIS)		Break	BIOCHEMISTRY LGIS		BIOCHEMISTRY LGIS		Break	SGD/DISECTION	SDL Anatomy Thyroid and para thyroid gland
		Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism)	Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism)		Insulin & Glucagon - II	Adrenocortical Hormones - I	Blood Glucose Regulation	Adrenocortical Hormones - II		Pancreas	
		Dr. Fahad (Even)	Prof. Dr.Samia Sarwar/ Dr. Iqra (Odd)		Dr. Aneela (Even)	Dr. Isma (Odd)	Dr. Uzma Zafar (Even)	Dr. Isma (Odd)			
29-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	BIOCHEMISTRY LGIS		Break	SGD/DISECTION				Break	SGD/DISECTION	SDL Physiology Abnormalities of
		Adrenocortical Hormones - II	Blood Glucose Regulation		Adrenal gland (revisit)					Alimentary layer Pharynx, esophagus	
		Dr. Isma (Even)	Dr. Uzma Zafar (Odd)								
30-10-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	PHYSIOLOGY SDL No.01		Break	SGD/DISECTION				Break	SGD/DISECTION	SDL Anatomysoft palate ,larynx
		Regulation of blood Glucose & Diabetes mellitus			Disection/ Spooting					Disection/ Spooting	
		Dr Fareed (Even)	Dr Maryam (Odd)								

Table No. 1 (Time: 12:20pm – 02:00pm)

Batch Distribution for Practical Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology)			Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
				Day	Histology Practical		Biochemistry Practical		Supervised by HOD	Physiology Practical		Physiology SGD		Supervised by HOD	Biochemistry SGD	
Sr. No	Batch	Roll No.			Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
11.	A	01-70	<ul style="list-style-type: none"> Endocrinology, Adrenal gland & Pancrease (Anatomy, Histology Practical) G.T.T / Revision (Biochemistry practical) CBL: Adrenocortical hormones (Practical batch) student's presentations Lab 	Monday	C	Supervised by HOD	B	Dr. Rahat	Supervised by HOD	E	Dr. Kamil	A	Dr. Aneela	Supervised by HOD	D	Dr. Uzma
12.	B	71-140		Tuesday	D		C	Dr. Nayab		A	Dr. Aneela	B	Dr. Shazia		E	Dr. Almas
13.	C	141-210		Wednesday	E		D	Dr. Uzma		B	Dr. Shazia	C	Dr. Nayab		A	Dr. Romessa
14.	D	211-280		Thursday	B		A	Dr. Almas		D	Dr. Iqra	E	Dr. Iqra		C	Dr. Nayab
15.	E	281-onwards		Saturday	A		E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		B	Dr. Rahat

Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections

Topics for SGDs / CBL with Venue	Table No. 2 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections				Supervised by Prof. Dr. Ayesha Yousaf
	Batches	Roll No	Anatomy Teacher	Venue	
<ul style="list-style-type: none"> Physiology SGD: Insulin and Glucose Metabolism Biochemistry CBL: Thyrotoxicosis 	A	01-90	Dr. Gaiti Ara	New Lecture Hall Complex # 01	
	B	91-180	Dr. Minahil Haq	New Lecture Hall Complex # 04	
	C	181-270	Dr. Tariq Furqan	Anatomy Lecture Hall 04	
	D	271 onwards	Dr. Sadia Baqir	Anatomy Lecture Hall 03	

Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions

Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
11.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
12.	A2	(36-70)	Lecture Hall #.04 (1 st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
13.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
14.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
15.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

Tentative Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Endocrinology Module) Batch 50

The online assessment for Endocrinology Module for Second Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
Second Year MBBS	Endocrinology Module	Monday 14 th October,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 15 th October,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 16 th October,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 21 st October ,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 22 nd October ,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 23 rd October ,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry

Note: All dates are subject to date.

Endocrinology Module (Fourth Week)
(31-10-2024 To 06-11-2024)

Date / Days	Tentative Schedule for Endocrinology Sesnes Module Assessment	Time
31-10-2024 Wednesday	Assessment week	08:00am - 02:00pm
01-11-2024 Thursday		08:00am - 02:00pm
02-11-2024 Friday		08:15am - 09:15am
03-11-2024 Saturday		08:15am - 09:15am
05-11-2024 Monday		08:15am - 09:15am
06-11-2024 Tuesday		

Note: Timetable Subject to Change According to The Current Circumstances.

 **SECTION-V****Learning Resources**

Learning Recourses

Subjects	Resources
Core Subjects & Horizontal Integration Subjects	
Anatomy	<p>1. Gross Anatomy</p> <ol style="list-style-type: none"> 2. Gray's Anatomy by Prof. Susan Standring 42th edition, Elsevier. 3. Clinical Anatomy for Medical Students by Richard S. Snell 10th edition. 4. Clinically Oriented Anatomy by Keith Moore 9th edition. 5. Cunningham's Manual of Practical Anatomy by G.J. Romanes, 16th edition, Vol-I, II and III 6. http://www.anatomyzone.com 3D anatomy https://teachmeanatomy.info/ <p>B. Histology</p> <ol style="list-style-type: none"> 1. B. Young J. W. Health Wheather's Functional Histology 6th edition. 2. Medical Histology by Prof. Laiq Hussain 7th edition. 3. https://www.udemy.com/course/histology/ <p>C. Embryology</p> <ol style="list-style-type: none"> 1. Keith L. Moore. The Developing Human 11th edition. 2. Langman's Medical Embryology 14th edition.
Physiology	<p>A. Textbooks</p> <ol style="list-style-type: none"> 1. Textbook Of Medical Physiology by Guyton And Hall 14th edition. 2. Ganong ' S Review of Medical Physiology 26th edition. <p>B. Reference Books</p> <ol style="list-style-type: none"> 1. Human Physiology by Lauralee Sherwood 10th edition. 2. Berne & Levy Physiology 7th edition. 3. Best & Taylor Physiological Basis of Medical Practice 13th edition. 4. Guyton & Hall Physiological Review 3rd edition.
Biochemistry	<p>Textbooks</p> <ol style="list-style-type: none"> 1. Lippincott Illustrated Reviews: Biochemistry – Wolters Kluwer 2. Harper's Illustrated Biochemistry 32th edition. 3. Lehninger Principle of Biochemistry 8th edition. 4. Biochemistry by Devlin 7th edition.
Community Medicine	<p>Textbooks</p> <ol style="list-style-type: none"> 1. Community Medicine by Parikh 25th edition. 2. Community Medicine by M Illyas 8th edition. 3. Basic Statistics for the Health Sciences by Jan W Kuzma 5th edition.

Pathology/Microbiology	Textbooks <ol style="list-style-type: none"> 1. Robbins & Cotran, Pathologic Basis of Disease, 10th edition. 2. Rapid Review Pathology, 5th edition by Edward F. Goljan MD. 3. http://library.med.utah.edu/WebPath/webpath.html
Pharmacology	Textbooks <ol style="list-style-type: none"> 1. Lippincot Illustrated Pharmacology 9th edition.
Spiral Integration Subjects & General Education Cluster Courses	
Bioethics	Textbooks <ol style="list-style-type: none"> 1. Textbook of Medical Ethics by Erich H. Loewy (Author)
Videography	The Five Cs of Cinematography by Joseph V. Mascelli Digital Video Production: A Comprehensive Guide by Anirban Das
Leadership	Leadership and the New Science by Margaret J. Wheatley A Treatise on Good Works by Martin Luther
Family Medicine	Textbooks <ol style="list-style-type: none"> 1. Textbook of Family Medicine" by Robert E. Rakel and David P. Rakel 2. Essentials of Family Medicine" by Philip D. Sloane, Lisa M. Slatt, and others 3. Textbook of Family Medicine" by Ian R. McWhinney 4. Family Medicine: Principles and Practice" by Robert B. Taylor
Islamiyat & Pak Studies	Islamiyat Lazmi by Muhammad Khalil
Vertical Integration Subjects	
Medicine	Textbooks <ol style="list-style-type: none"> 1. Harrison's Principles of Internal Medicine by J. Larry Jameson, Anthony S. Fauci, and others 2. Davidson's Principles and Practice of Medicine by Stuart H. Ralston, Ian D. Penman, and others 3. Kumar and Clark's Clinical Medicine by Parveen Kumar and Michael Clark 4. Oxford Handbook of Clinical Medicine by Ian B. Wilkinson, Tim Raine, and others
Surgery	Textbooks <ol style="list-style-type: none"> 1. Bailey & Love's Short Practice of Surgery by Norman S. Williams, P. Ronan O'Connell, and Andrew W. McCaskie
Obsteterics & Gynecology	Textbooks <ol style="list-style-type: none"> 1. Obstetrics by Ten Teachers 2. Gynaecology by Ten Teachers
Peadiatrics	Textbooks <ol style="list-style-type: none"> 1. Nelson Textbook of Pediatrics" by Robert M. Kliegman, Joseph St. Geme, and others

2. "Textbook of Pediatrics" by A. Parthasarathy

Digital Resources

Up To Date <https://www.uptodate.com/contents/search>

RMU Digital library <http://www.digitallibrary.edu.pk/rmc.html>

International Resources

USMLE <https://www.usmle.org/>

Plab <https://www.gmc-uk.org/registration-and-licensing/join-the-register/plab>

U World <https://www.uworld.com/>



SECTION-VI

Assessment

Assessment

Assessment is the systematic basis for making inferences about the learning and development of students. It is the process of defining, selecting, designing, collecting, analyzing, interpreting, and using information to increase students' learning and development.

Assessment Policy

This policy is applicable to all the students of the MBBS program of RMU for all modes of teaching (on campus/online/any other) from the date of approval by the RMU Academic Council.

1. Guiding principles

- RMU has the responsibility to ensure to all the stakeholders that students have achieved the identified outcomes of the medical degree course.
- Assessment requires a variety of methods; no single method can completely ensure that the requisite competence level has been achieved. Hence each assessment instrument must be selected based on its utility index.
- Feedback, ensuring that the feedback loop is closed, should be provided to students following all assessments to ensure that students identify gaps in their learning and faculty can review future curricular and assessment content.
- The quality of the entire assessment including confidentiality of the assessment process must be ensured.
- The assessment process should be clear and transparent so that students know in advance the expectations (from students) and consequences of the assessment.
- Details of the conduct of examinations are available in the Examination policy document.

2. Purposes of assessment

- Feedback to students regarding their readiness and deficiencies.
- To ensure appropriate competence has been achieved.
- Feedback to faculty to evaluate the effectiveness of the teaching program.

3. Forms of assessments

Formative Assessment

A formative assessment refers to a low-stakes assessment that does not normally contribute towards a student's final grade. A formative assessment may include summarizing the main points in a lecture or a weekly quiz to test comprehension of the reviewed content.

(assessment for learning) is carried out throughout modules and clerkships using various strategies (at the discretion of module coordinators and clerkship directors) feedback. Formative assessment performance may be taken as a continuous assessment.

Summative Assessment

A summative assessment is any method of evaluation performed at the end of a unit that allows a teacher to measure a student's understanding, typically against standardized criteria. Assessment of learning takes place at the end of modules/ blocks and clerkships and comprises of:

a. Written assessment (50%)

Multiple Choice Questions (MCQs)	40%	Will be as USMLE format
Extended Match Questions (EMQ)	10%	
Short answer questions (SAQs)	50%	

b. Performance (Practical) assessment (50%)

Objective Structured Practical Examination (OSPE) Years I, II and III Objective Structured Clinical Examination (OSCE) Years IV - V Short cases will be included in OSCE

4. Assessment and their timings

- The module/ clerkship teams will be responsible for their assessment plan mentioning assessment strategies, timings, and other essentials (please refer to the individual plans).
- Students will be briefed about the pattern and scoring of the assessments before the examination.
- Professional examination will be taken by RMU.

5. Weekly LMS (learning management system) assessment of LGIS and SDL

- There will be weekly assessment of LGIS and SDL of whole week at end of week through LMS.
- The LMS result will be shared by module coordinator and DME through vice chancellor on weekly basis.

6. Eligibility to appear in End Block Assessment (EBA)

- This will be applicable to all the blocks of undergraduate program
- 90% attendance in each subject will be mandatory
- Student must pass in all LMS, mid module assessments to appear in EBA
- There will be no remedial classes for attendance compensation
- There will be no remedial of assessment after poor performance

7. Eligibility to appear in Pre-Annual Assessment (PAA)

- 90% attendance in each block is required to appear in PAA
-

- It is mandatory to appear in all EBA to appear in PAA
- Appraisal letter from head of departments will be needed to appear in pre-annual assessment.

8. Attendance policy

- 90% attendance in each block is required to appear in PAA
- There will be extra marks given as per rules.
- Attendance of the students will be shared by coordinator of module and DME through vice chancellor RMU on weekly basis.

90% and above	20 marks
80-89%	10 marks
70-79%	5 marks
Below 70%	-5 marks
Below 60%	-10 marks
Below 50%	-20 marks

- These marks will be counted in annual professional assessment.

9. Eligibility to appear in annual professional assessment

- Minimum 60% score in pre-annual assessment is required to appear in annual professional examination.
- Written and practical /OSPE/OSCE should be passed separately.

10. Passing criteria in annual professional examination

- 60% marks will be needed to pass annual professional examination.

11. Total break up of assessment score

- Annual professional exam weightage 70%
- Continuous internal assessment weightage 30

Internal Assessment

Continuous Internal Assessment means the assessment based on continuous internal assessment (CIA) tests and assignments given to the students during an academic period.

Break up of internal assessment is as follows:

Continuous Internal assessment (CIA) 100%			50% end block assessment (summative)	
<u>End module-I</u> (25%)		<u>End block-1</u> (25%)		
End module	10	End block	10	
LMS	03	LMS	03	
Attendance	02	Attendance	02	
Work place based assessment (WPBA) 50%				
Further division of 50% WPBA				
Ward test (50%)	Histories (20%)	Case presentation (10%)	Log books (10%)	Research (10%)

Once internal assessment is compiled it CANNOT be altered under ANY circumstance unless a clerical/ human error is detected. **He will repeat classes and skills**
There will be no change in calculated internal assessment scores for supplementary University examination.

12. Research publication marks

- Extra marks will be given to students who will publish research article in student journal, resident journal or faculty journal.
- These marks will be adjusted in viva.

Name of journal	Marks
Faculty journal	20 marks
Resident journal	15 marks
Student journal	10 marks

 **SECTION-VII**

Table of Specification (TOS) For Module Examination for Second Year MBBS

Specification (TOS) For Module Examination for Second Year MBBS

Domains: C-Core Subject (70%) Levels C1-C2, HV- Horizontal & Vertical Integration (20%) Levels C2-C3, S- Spiral Integration (10%) Levels C2-C3																																		
End of Module Assessment	Subject	Theory (Cognitive) Assessment																		Practical (Skill & Attitude) Assessment							Grand Total	Total Time of Module Assessment						
		MCQs					EMQs			SAQs				SEQs				Marks	Total Marks Theory	Total Time	AV OSPE					Time			AED Reflective Writing	OSVE			Total Practical Marks	
		C	HV	S	Total	Marks	C	Total	Marks	C	HV	S	Total	Marks	C	HV	S				Total	C	HV	S	Total					Marks	Viva	Copy		Total
First Module	Anatomy	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Physiology	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Weekly LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																		
End of Module Assessment	Subject	Theory (Cognitive) Assessment																		Practical (Skill & Attitude) Assessment							Grand Total	Total Time of Module Assessment						
		MCQs					EMQs			SAQs				SEQs				Marks	Total Marks Theory	Total Time	AV OSPE					Time			AED Reflective Writing	OSVE			Total Practical Marks	
		C	HV	S	Total	Marks	C	Total	Marks	C	HV	S	Total	Marks	C	HV	S				Total	C	HV	S	Total					Marks	Viva	Copy		Total
Second Module	Anatomy	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Physiology	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Weekly LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																		

Block	Subjects	LMS Based Assessment					OSPE						Grand Total	Total Block Time
		MCQs					LabOSPE	IOSPE	COSPE	Total	Marks	Time		
		C	HV	S	Total	Time								
BLOCK	Anatomy	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
	Physiology	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
	Biochemistry	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS

Weekly LMS Assessment			
Subjects	Anatomy	Physiology	Biochemistry
No of MCQs*	30	30	30
Marks/MCQ	30	30	30
*MCQ=1 Mark each, 1 min each			

50% Questions/OSPE Stations/Viva Stations will be from Foundation Module and 50% Questions will be from MSK-1 Module

For Each assessment student will have to individually pass Theory and Practical components

Marks per Item

MCQ=1	EMQ=5	SAQ=5	SEQ=9	AVOSPE=5	OSPE=3
OSPE Time=1 Round of 40 Students =80 min					
3 Round of 40 Students =240 min					
OSVE=Time per student=5mins					

 **SECTION-VIII****Feedback And Evaluation**

Feedback And Evaluation

Rawalpindi Medical University is dedicated to advancing equality, diversity, and inclusion across all its activities, processes, and cultural practices, in line with its Public Sector Equality Duties. This commitment encompasses promoting equality and diversity for everyone, regardless of any protected characteristic, working pattern, family circumstance, socio-economic background, political belief, or any other irrelevant distinction. Where pertinent to the policy, decision-making panels will ensure a reasonable gender balance (with at least one man and one woman) and will actively consider the representation of other protected groups.

Principles Feedback from students is essential to inform the development of the University's programmes and to help shape all aspects of their current and future learning and broader experience. The University actively seeks and encourages students to share their views. Our approach aims to create openness, responsiveness and a sense of partnership.

How feedback is received

➤ **Informal Feedback**

Informal feedback is received by day-to-day dialogue between students and staff,

➤ **Formal Feedback**

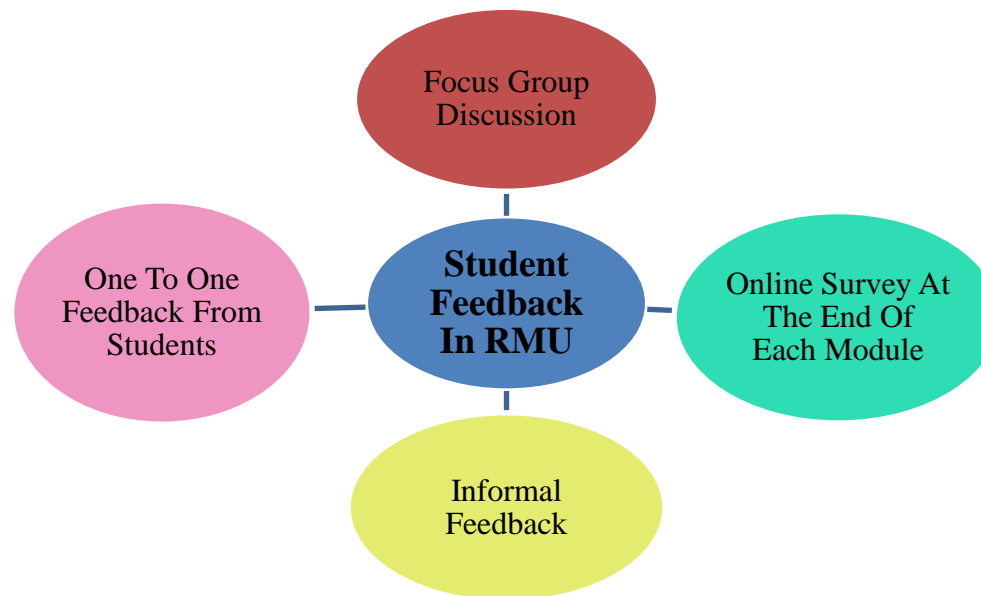
Feedback is received from students in more formal settings. These include:

- **Central survey campaign**

The University regularly invites students to participate in anonymous surveys (Appendix 1).

The central surveys take place after every module, after every Block and at the end of the academic year. This schedule enables the University to work in conjunction with the students and help to improve the teaching, learning and assessment methodologies.

- **Focus Group Discussion**
 - **One To One Feedback from Students**
-



Appendix -I Student Feedback Proforma for 2024

(to be conducted after every module completion)

Module Content & Organization

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
The module objectives were informed.					
At the beginning of module study guide was available.					
The module workload was manageable.					
The pace of the module was manageable.					
The module was well organized.					
Module started and ended on time.					
End of block feedback was taken					

Learning Environment and Teaching Methods

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Lectures were delivered appropriately.					
Labs were conducted appropriately.					
Small group discussions were conducted appropriately					
Teaching sessions were as per schedule.					
CBLs were conducted appropriately					
Faculty was cooperative.					
Learning resources were communicated clearly					
SGDs were standardized between different batches					

Quality of Delivery

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
The module stimulated my interest.					
Ideas were presented clearly.					

Learning Resources

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Learning Material was provided / recommended.					
Learning Resources were available in the library.					
Digital / Web Based resources were available.					
Power points of lectures were available					

Student Contribution

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
I participated actively in the module.					
I believe I have made progress in this module.					

Assessments

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Class tests were conducted regularly.					
Class tests were helpful					
Test difficulty was appropriate.					
Written Assessment was as per Table of Specifications.					
OSPE Exam was as per Table of Specification					
Table of Specification was shared					

LMS and its working

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Easy Access to LMS					
Module Content was Available					

