



BAQAI MEDICAL COLLEGE
3rd YEAR MBBS (2024 – 2025)
(FOUNDATION MODULE)



BAQAI MEDICAL COLLEGE

3RD YEAR MBBS
SESSION 2024-25



FOUNDATION MODULE - II



BAQAI MEDICAL COLLEGE
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SPIRAL II – INTERGRATED CURRICULUM
FOUNDATION MODULE - II STUDY GUIDE
3rd YEAR MBBS (SESSION 2024- 2025)



BAQAI MEDICAL COLLEGE
BAQAI MEDICAL UNIVERSITY

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PREFACE

The landscape of medical education is evolving rapidly, embracing a shift from teacher-centered to student-centered learning approaches across undergraduate and postgraduate levels. In response to these advancements, this study guide for the integrated modular system has been meticulously crafted to align with these changes, following the SPICES model of curriculum development.

1. **Student-centered Approach:** The course organization, content, and activities are predominantly structured around student engagement and empowerment.
2. **Problem-Oriented Learning:** Case-based learning is integrated into our modules to foster problem-solving skills among students.
3. **Explicit Integration:** Basic sciences content is seamlessly integrated with pre-clinical and clinical subjects to provide a comprehensive understanding of medical concepts.
4. **Community Engagement:** Field visits to satellite clinics and community healthcare centers offer students firsthand exposure to community-related health issues.
5. **Elective Opportunities:** Students are encouraged to pursue electives within our institution and other institutes to broaden their learning experiences.
6. **Structured Program:** Our curriculum unfolds systematically, starting from foundational medicine concepts and encompassing all facets of medical sciences in Spiral integration.

Therefore, this study guide serves as a comprehensive resource, offering content-related information, guidance on learning strategies, curriculum management, and outlines of student activities. It is designed to support the undergraduate MBBS program in a multidimensional manner, facilitating holistic learning and development.

<i>Vision</i>	<i>Mission</i>
	
<i>Baqai Medical University</i>	
<p>To evolve as a nucleus for higher learning with a resolution to be socially accountable, focused on producing accomplished health care professionals for services in all spheres of life at the national and global level”.</p>	<p>The mission of Baqai Medical University is to be recognized as a center of excellence in education, research, patient care, and community services by producing highly capable and knowledgeable professionals.</p>
<i>Baqai Medical College</i>	
<p>Our vision is to enhance access and excellence in medical education and research, with the aim of capacity building of students and faculty through innovations, and science and technology competencies, to achieve rapid and sustainable health. The medical graduate thus produced, will be informed, and trained enough to serve the community better, and to be an advisor to the national and international health organizations.</p>	<p>The mission of the Baqai Medical College is to produce medical graduates, who are responsible and accomplished individuals and have skills for problem-solving, clinical judgment, research, and leadership for a medical practice at the international level and are also aware of the health problems of the less privileged rural and urban population of Pakistan.</p>



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POLICIES AND PROCEDURES
Code of Conduct and Maintenance of Discipline of Students
Regulations Under section 25(e) BMU Act.1996

All University students shall be under the full disciplinary control of the University. No students shall be allowed to participate in politics. The action against the act of indiscipline shall include fines, debarring from attending class, and cancellation of admission, depending on the gravity of indiscipline.

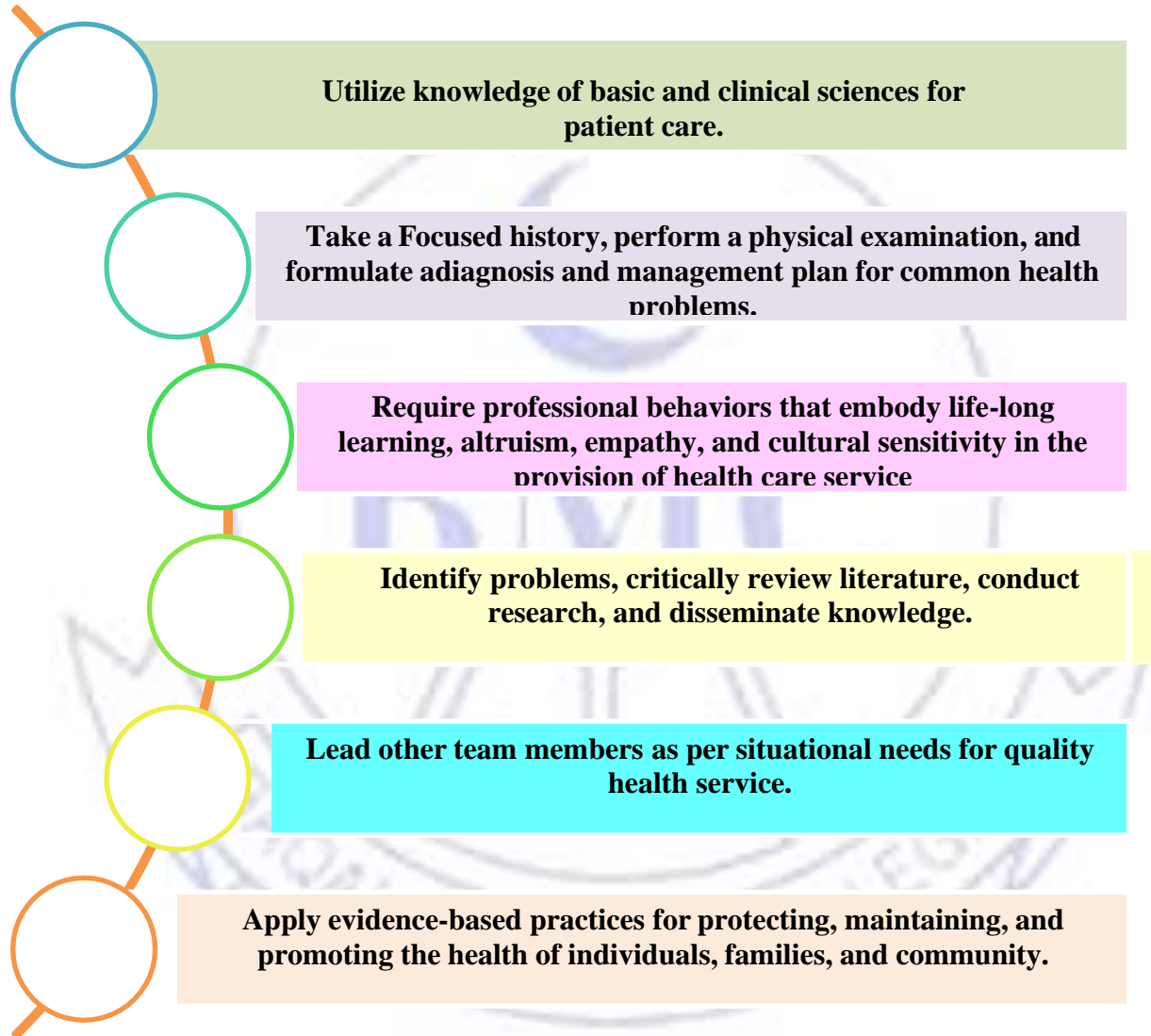
The following shall constitute acts of indiscipline for which action may be taken against the student or students:

- (a) Breach of any rule public morals, such as:
 - Use of indecent or filthy language;
 - Use of immodest dress;
 - Use of undesirable remarks or gestures; and
 - Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- (b) Defiance of authority
- (c) Action, defamatory of and derogatory to Islam
- (d) Immorality
- (e) Being found under the effect of an intoxicant or misuse of drugs including marijuana, LSD dope and other opioids.
- (f) False personation or giving false information or willful suppression of information, cheating or deceiving.
- (g) Inciting or staging a walk-out, a strike, or an unauthorized procession.
- (h) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- (i) Visiting without a pass place which are not to be visited without a pass.
- (j) Visiting places declared out of bounds for students.

Every student must carry his / her Identity Card which will be open to examination and will be demanded at the time of entrance to the various University Faculties and functions.

No student will be admitted to the facilities of the library, transport, or the canteen unless he /she is in possession of the Identity Card.

OUTCOMES OF MBBS CURRICULUM





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Module I

FOUNDATION
MODULE-II



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MODULAR COMMITTEE

1.	Dr. Sarah Azhar (Pathology)
2.	Dr. Nazia Jameel (Community Medicine)
3.	Dr. Faraz Saleem (Pharmacology)
4.	Dr. Rafay A. Siddiqui (Forensic Medicine)
5.	Ms. Maria Rahim (Research)
6.	Dr. Azra Shaheen (Behavioral Sciences)
7.	Dr. Saadia Akram (Gynae / Obs.)
8.	Dr. Bushra Rabbani (Medicine)
9.	Dr. S. M. Abdullah Bukhari (Surgery)



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MODULAR DURATION

Module Number	Module Name	Dates	Duration	Module In charge	Assessment Date & Pattern
1.	Foundation Module	(4 th March – 29 th April, 2024)	8 weeks	Dr. Sarah Azhar	29 th April, 2024 (Subject to minor changes) MCQs, SEQs & OSPE/Viva

ASSESSMENT TOOLS

1. Formative assessment
 - Quiz (face to face or online)
2. Summative assessment
 - MODULAR EXAM:
 - A single modular exam will be held at the end of module which will include all the subjects taught in the module.
 - Module will be assessed by MCQ, SEQ and OSPE / Viva.



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DEPARTMENT OF PATHOLOGY
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each Lecture the students of 3rd year MBBS will be able to:

CELL INJURY, CELL DEATH, CELLULAR ADAPTATIONS				
TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Cell Injury	Lecture # 1	1	Define cell injury. Categorize the causes of cell injury. Differentiate between reversible and irreversible cell injury.	Prof. Dr. Nasima Iqbal
Cell Injury	Lecture # 2	1	Describe the pathogenesis of cell injury. Define Ischemic and hypoxic injury, Ischemic/reperfusion injury. Describe oxidative stress induced cell injury. List free oxygen reactive species with antioxidants. Describe chemical injury.	Dr. M. Rizwan
Cell Death	Lecture # 3	1	Define necrosis. Describe types of necrosis with examples.	Dr. Maeesa Sajeel
Cell Death	Lecture # 4	1	Recall cell cycle. Define Apoptosis. List the examples of Apoptosis. Describe the step-by-step pathophysiology of Apoptosis.	Dr. Sarah Azhar
Intra-cellular accumulations, pathological pigmentation, Pathological calcification	Lecture # 5	2	List different types of Intra-cellular accumulations. Define pathological pigmentation. List types of pigments. Differentiate between endogenous and exogenous pigments. Define pathological calcification. List the differences between dystrophic and metastatic calcification with examples of each.	Dr. Ghazal Irfan



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Cellular Adaptations I	Lecture # 6	1	Define cellular adaptations. List the types. Describe mechanism of Hypertrophy. Describe mechanism of Hyperplasia. Describe the mechanism of atrophy. List physiological & pathological examples of these adaptations.	Dr. M. Khan
Cellular Adaptations II	Lecture # 7	1	Describe the mechanism of Metaplasia with its physiological & pathological examples.	Dr. Munnazah Rashid





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INFLAMMATION				
TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Acute Inflammation	Lecture # 8	1	Define inflammation. List the hall marks of inflammation. List the types of inflammation. Define acute inflammation. List the causes of acute inflammation. Tabulate plasma derived mediators & cell derived mediators.	Prof. Dr. Nasima Iqbal
	Lecture # 9	1	Describe the sequence of cellular events involved in acute inflammation in relation with chemical mediators. Describe the sequence of vascular events involved in acute inflammation in relation with chemical mediators.	Dr. M. Rizwan
Chronic Inflammation	Lecture # 10	1	Define chronic inflammation. List the causes of chronic inflammation. Define granulomatous & agranulomatous inflammation. Discuss the pathogenesis of granulomatous & agranulomatous inflammation and role of chemical mediators.	Dr. Maeesa Sajeel
Outcomes of inflammation	Lecture # 11	1	Describe the outcomes inflammation. Classify the various defects of inflammation. Classify the systemic effects of inflammation.	Dr. Sarah Azhar
DISORDERS OF HEALING & REPAIR				
Overview to tissue healing and repair	Lecture # 12	1	Define Healing, Repair, Regeneration & Scarring. Differentiate between regeneration and repair. Enlist the organs that undergo regeneration.	Dr. Ghazal Irfan
Repair by scarring	Lecture # 13	1	Describe the various steps involved in process of repair by scarring (Primary & Secondary intention healing). List the various mediators involved in the steps of scarring.	Dr. M. Khan
Factors affecting wound healing & Defects in wound healing / Scarring	Lecture # 14	1	List the various factors that influence wound healing. List the defects of wound healing and their consequences.	Dr. Munnazah Rashid



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HEMODYNAMIC DISORDERS				
Hyperemia, congestion & Haemorrhage	Lecture # 13	1	Define hyperemia and congestion. Differentiate between congestion & hyperemia according to its pathophysiology. List the different types of congestion with examples. Define hemorrhage. List the cause of hemorrhage. List types of hemorrhage on the basis of size.	Prof. Dr. Nasima Iqbal
Edema	Lecture # 14	1	Define Edema, effusion, ascites, hydrothorax and anasarca. List the pathophysiological categories of edema with their examples. Differentiate between transudate and exudate. Describe the mechanisms of systemic edema in heart failure, renal failure, malnutrition, hepatic failure, and nephrotic syndrome.	Dr. M. Rizwan
Thrombosis	lecture # 15	1	Define thrombosis. Describe Virchow's triad in thrombosis. Differentiate between arterial and venous thrombi. Define vegetations. Discuss the fate of the thrombus	Dr. Maesa Sajeel
Embolism	Lecture # 16	1	Define Embolism and Thromboembolism. List the different types of emboli. Discuss the pathogenesis. List the common sites. List the consequences.	Dr. Sarah Azhar
Infarction	Lecture # 17	1	Define Infarction. Discuss the factors that influence in the development of an infarct Compare the different types of infarcts according to their site, morphology & presence or absence of infection.	Dr. Ghazal Irfan
Shock	Lecture # 18	1	Define shock Discuss the three main types of shock with their examples Discuss the pathophysiology of Septic shock.	Dr. M. Khan



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By the end of small group session, the students of 3rd. year MBBS will be able to:

CELL INJURY, CELL DEATH, CELLULAR ADAPTATIONS				
TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Specimen Collection & Tissue Processing, Morphology of Cell Injury	Practical # 1	2.25 hours	Define tissue processing. List the steps of histo-technology. Identify the use of different reagents and stains. Identify the morphological features of types of cell injury. Observe & perform how to operate the microscope and focus the glass slide.	Dr. Nadeem Umar Baqai
Morphology of different types of Necrosis	Practical # 2	2.25 hours	List the types of necrosis. Identify the gross & microscopic pathological features of different types of necrosis.	Mr. M. Rizwan
Morphology of different types of Cellular Adaptations	Practical # 3	2.25 hours	List the types with examples. Identify the gross & microscopic pathological features of different types of necrosis.	Dr. Tooba Khan
INFLAMMATION				
Morphology of Acute Inflammation and Chronic Inflammation	Practical # 4	2.25 hours	Identify the gross & microscopic pathological features of acute inflammation in the given specimen / slide. List the types of chronic inflammation on the basis of morphology. Identify the gross & microscopic pathological features of chronic inflammation in the given specimen / slide.	Dr. M. Yasir Rishi
DISORDERS OF HEALING & REPAIR				
Morphology of Granulation tissue and Keloid	Practical # 5	2.25 hours	Identify the gross & microscopic features of granulation tissue. Identify the gross & microscopic pathological features of keloid.	Dr. Rozina Khan
HEMODYNAMIC DISORDERS				
Hyperemia, congestion & Haemorrhage	Practical # 6	2.25 hours	Identify the gross & microscopic features of hyperemia, congestion & Haemorrhage.	Dr. Nadeem Umar Baqai
Thrombus & Embolism	Practical # 7	2.25 hours	Identify the gross & microscopic features of Thrombus & Embolism	Mr. M. Rizwan



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Shock	Tutorial # 8	2.25	Identify with the help of a case a patient in septic shock Discuss its pathogenesis	Dr. M. Yasir Rishi
FORMATIVE ASSESSMENTS	Interactive session Followed by quiz and its feedback # 9	2.25 x3	Assess the comprehension of key concepts Identify any misconceptions Facilitate peer review Understand the immediate feedback by which they can reflect on their learning and make improvements.	Prof. Dr. Nasima





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DEPARTMENT OF PHARMACOLOGY
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each Lecture the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Introduction of pharmacology & routes of drug administration	Lecture # 1	1	Define Pharmacology Classify Pharmacology Define Drug Classify the routes of drug administration. List the specific advantages and disadvantages of Enteral route of drug administration. List the specific advantages and disadvantages of Parenteral route of drug administration.	Prof. Dr. Nadeem
Principles of drug development	Lecture # 2	1	Define the process of drug development. List the phases of drug development. Define pre-clinical studies of drug development. Explain the different phases of clinical trials. Explain the role of FDA in drug development. Define post-marketing surveillance of drugs.	Prof. Dr. Asif
Cellular mechanisms of drug absorption	Lecture # 3	1	Define drug absorption. Explain various cellular mechanisms of drug absorption. Explain various factors influencing drug absorption. Define bioavailability. List various factors affecting bioavailability of a drug with examples.	Prof. Dr. Asif



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			Explain area under the curve.	
Cellular mechanisms of drug distribution	Lecture # 4	1	Define drug distribution. Explain drug distribution in various compartments of body. List various factors influencing drug distribution with examples. Explain the effects of the physiological barriers for drug distribution. Define volume of distribution. Define half-life. List factors influencing drug half-life.	Prof. Dr. Nadeem
Cellular mechanism of drug metabolism	Lecture # 5	1	Define drug metabolism. Define biotransformation List the consequences of biotransformation List the phases of metabolic reactions of a drug. Differentiate between the phases of metabolic reactions with examples Define enzyme inducers and inhibitors with examples. Define first pass effect with example.	Dr. Urooj
Cellular mechanism of drug excretion	Lecture # 6	1	Define excretion of a drug. Explain different modes of drug excretion. List factors affecting excretion of a drug. Define steady state concentration of a drug Define first and zero order kinetics of drug elimination Define total drug clearance.	Dr. Faraz
Cellular receptors	Lecture # 7	1	Define Receptor, Receptor site & Effector. Explain major types of drug receptors with examples. Explain signal transduction pathway. Define Tachyphylaxis. Define up regulation & down regulation of receptors.	Dr. Faraz
Cellular receptor agonists & antagonists	Lecture # 8	1	Define drug agonist and antagonist. Differentiate between various types of agonists used in therapeutics.	Dr. Urooj



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			Differentiate between various types of antagonists used in therapeutics. Define graded dose response and quantal dose response curve. Define therapeutic index and therapeutic window. Define potency and Efficacy.	
Pharmacology of chemical mediators & ergot alkaloids	Lecture # 9	1	Classify chemical mediators & ergot alkaloids. Explain mechanism of action of Misoprostol, Latanoprost and Ergotamine. List the pharmacokinetic properties of these drugs. List common adverse effects and contraindications of these drugs. List the clinical uses of these drugs.	Dr. Faraz
Histamine and antihistamines	Lecture # 10	1	Define histamine and its role as a chemical mediator List types of histamine receptors with their distribution. Explain the mechanism of action of Chlorpheniramine, Cyclizine and Cetirizine. List the pharmacokinetic properties of these drugs. List the common adverse effects and contraindications of these drugs.	Dr. Sehrish
Serotonin agonists & antagonists	Lecture # 11	1	Define serotonin and its role as a chemical mediator. List types of serotonin receptors with their distribution. Classify serotonin receptors agonists and Antagonists with examples. List the clinical uses of Sumatriptan & Ondansetron. List the common adverse effects and contraindications of these drugs.	Prof. Dr. Asif
Pharmacology of anti-inflammatory drugs (nsaids)	Lecture # 12	1	Outline the pathophysiology of Inflammation Define NSAIDs.	Prof. Dr. Nadeem



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			<p>Classify NSAIDS. Explain the mechanism of action of Ibuprofen, Aspirin, Celecoxib and Acetaminophen. List the pharmacokinetic properties of these drugs. List the clinical uses of these drugs. List common adverse effects and contraindications of these drugs.</p>	
Management of salicylate and acetaminophen poisoning	Lecture # 13	1	<p>Define salicylate. List the pharmacological effects of Salicylate toxicity. Explain the management of acute and chronic salicylate poisoning. Explain the role of N-Acetyl cysteine for the management of Acetaminophen poisoning</p>	Dr. Sehrish
Adverse drug reactions	Lecture # 14	1	<p>Define adverse drug reactions. Classify adverse drug reactions. Compare predictable and unpredictable drug reactions with examples. Outline the general management of adverse drug reactions. List factors affecting susceptibility to adverse drug reactions.</p>	Dr. Sehrish
Drug-drug interactions	Lecture # 15	1	<p>Define drug-drug interactions Classify different categories of drug interactions on the basis of pharmacodynamics and pharmacokinetics Define the terms synergism, addition, summation and antagonistic drug interaction List commonly encountered drug interactions. Explain the consequences of drug interactions</p>	Dr. Faraz
Pharmacogenetics	Lecture # 16	1	<p>Define Pharmacogenetics Identify the genetic variations in enzyme that influence drug effect. Explain the genetic variations in transporters that influence drug effects</p>	Dr. Humaira



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			Describe the importance of Pharmacogenetics in clinical practice. Discuss the genetic variations in immune system functions that influence drug effect.	
Introduction To ANS pharmacology	Lecture # 17	1	Classify ANS. List different autonomic neurotransmitters with examples. Classify cholinergic & adrenergic receptors according to their site of action. List the steps of synthesis of neurotransmitter at cholinergic neurons. List the steps of synthesis of neurotransmitter at adrenergic neurons.	Dr. Faraz
Cholinergic agonists	Lecture # 18	1	Classify cholinergic agonists with examples. Explain the mechanism of action of Bethanechol, Pilocarpine, Nicotine, & Neostigmine. List the pharmacokinetic properties of these drugs. List the clinical uses of these drugs List the adverse effects and contraindications of these drugs	Dr. Faraz
Cholinergic antagonists	Lecture # 19	1	Classify cholinergic antagonists with examples. Explain the mechanism of action of Atropine and Pralidoxime. List the pharmacokinetics properties of these drugs. List the clinical uses of these drugs List the adverse effects and contraindications of these drugs	Prof. Dr. Nadeem
Adrenergic agonists	Lecture # 20	1	Classify adrenergic agonists. Explain mechanism of action of Epinephrine, Dobutamine, Amphetamine and Ephedrine. List the pharmacokinetics properties of these drugs. List the clinical uses of these drugs	Prof. Dr. Asif



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			List the adverse effects and contraindications of these drugs	
Adrenergic antagonists	Lecture # 21	1	Classify adrenergic antagonists. Explain mechanism of action of Phenoxybenzamine, Prazosin and Labetalol. List the pharmacokinetics properties of these drugs. List the clinical uses of these drugs List the adverse effects and contraindications of these drugs	Prof. Dr. Asif

By the end of each Small group session (practical) , the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Laboratory Equipment	Practical # 1	2	Identify various instruments used in Pharmacology Lab List the uses of each instrument. List various safety measures used in handling of laboratory equipment	Dr. Sumreen
Demonstration of the effects of miotics & mydriatics on Rabbit's eye	Practical # 2	2	Differentiate between miotics and mydriatics. List various miotics and mydriatics. Demonstrate the various reflexes affected by using normal saline, Atropine and Pilocarpine on eye of a rabbit.	Dr. Hina



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By the end of each Small Group Session (Tutorial) the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Overview of Pharmacology	Tutorial # 1	2.25	List various branches of Pharmacology. List the different sources of drugs with examples. Define Drug Nomenclature with examples.	Dr. Hina
Pharmaceutical Preparations	Tutorial # 2	2.25	List different pharmaceutical preparations Correlate the use of different pharmaceutical preparations according to needs of a patient	Dr. Sumreen
IV Infusions	Tutorial # 3	2.25	List different Intravenous Infusions Correlate the use of different IV infusions according to needs of a patient List precautions related to these IV infusions	Dr. Hina
Rate of IV flow Calculations	Tutorial # 4	2.25	List various formulas used to calculate rate of flow, infusion time and total volume of infusion Interpret the given clinical scenarios related to rate of flow.	Dr. Hina
International System of Units	Tutorial # 5	2.25	Define International system of units with help of examples. List different ways of conversions used in pharmaceutical practical. List different household measurements.	Dr. Sehrish
Introduction to prescription writing	Tutorial # 6	2.25	Define Prescription. List different parts of Prescription. Correlate the use of abbreviations in Prescription Writing.	Dr. Izrum
Anti-histamines	Tutorial # 7	2.25	Write down the prescription of given case of Allergic Urticaria. Discuss the rationale of prescribing Anti- histamines in Allergic Urticaria.	Dr. Izrum



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NSAIDs	Tutorial # 8	2.25	Discuss the adverse effects of NSAIDs through the given case. Explain the pharmacological management of given case of Reye Syndrome.	Dr. Sehrish
Organophosphate poisoning	Tutorial # 9	2.25	Discuss the sign and symptoms of Organophosphate poisoning Discuss the rationale for using anti-cholinergic in Organophosphate poisoning.	Dr. Javeria
Anaphylaxis	Tutorial # 10	2.25	Discuss the sign and symptoms of Anaphylaxis Discuss the rationale for using Epinephrine in Anaphylaxis	Dr. Hina





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DEPARTMENT OF FORENSIC MEDICINE
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Introduction to Forensic Medicine	Lecture # 1	01	Distinguish between Forensic Medicine, Medical Jurisprudence, Legal Medicine, Forensic Pathology, State Medicine, Forensic Science. Detail Major Subdivisions/ Firm Pillars of Forensic Medicine Describe Inquest & its Types Learn about Medico-legal Systems Define Law with the mention of its Types Define Ethics & Medical Ethics with mention of Basic Ethical Principles	Dr. Rafay A. Siddiqui
Introduction to Forensic Medicine	Lecture # 2	01	Explain Organization of Law Courts in Pakistan Enlist Punishments/ Sentences authorized by Law as per PPC. Describe Oath/ Solemn Affirmation. Explain Recording of Evidence of a Witness in a Court of Law. Describe Medical Evidence & its Types Explain Professional Misconduct (Infamous Conduct). Define Consent, its Types & the Role of Consent in Medical Examination	Dr. Rafay A. Siddiqui
Introduction to Forensic Medicine	Lecture # 3	01	Detail Kinds of Witnesses Interpret documents prepared by a medical man Differentiate between Dying Declaration & Dying Deposition Describe Pakistan Penal Code (PPC), Criminal Procedure Code (CPC), etc., their execution and delivery.	Dr. Rafay A. Siddiqui



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			Describe Professional Negligence / Medical Negligence / Malpraxis, Res- Ipsa- Loquitar, Novus Actus Interveniens. Explain Professional Secrets / Medical Secrecy / Legal Obligation of Confidentiality Discuss Privileged Communication	
Autopsy	Lecture # 4	0.75 hours	Define Autopsy List the Aims & Objectives of Autopsy Discuss the Types of Autopsies Differentiate between Medico - legal & Pathological Autopsy	Dr. Rafay A. Siddiqui
Autopsy	Lecture # 5	0.75 hours	Enumerate the Autopsy Protocol / Rules / Precautions. Enlist Instruments required for Autopsy. List the Autopsy Incisions for opening Cranial, Thoracic & Abdominal cavities, & Vertebral Column / Spinal Cord. Discuss Collection, Preservation, & Dispatch of Viscera and other Articles in Suspected Poisoning Cases & Rules for Transmitting to the Chemical Examiner / Histopathologist / Clinical Pathologist	Dr. Rafay A. Siddiqui
Autopsy	Lecture # 6	0.75 hours	Describe the Techniques of Autopsy Describe the Procedure of Dissection of Neck Structures, Respiratory Tract, Heart, Abdominal Viscera & Pelvic Organs Detail Fetal Autopsy	Dr. Rafay A. Siddiqui
Death & Postmortem Changes 1	Lecture # 7	0.75 hours	Define Death with Scientific Concepts Describe the 2 Phases i.e., Somatic & Molecular Death. Detail Mode, Manner, Mechanism & Cause of Death as per WHO criterion. Enlist Gordon's Classification of Death with examples.	Dr. Rafay A. Siddiqui
Death & Postmortem Changes 2	Lecture # 8	0.75 hours	Describe Brain Death with its ML aspects, especially in relation to Organ Transplantation Define Suspended Animation/ Apparent Death & its Types with examples.	Dr. Rafay A. Siddiqui



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			Explain Presumption of Death & Survivorship. Detail Medical Certification of Cause of Death / A Doctor's Approach to Death Certification as per WHO.	
Death & Postmortem Changes 3	Lecture # 9	0.75 hours	Enlist Methods of Estimation of Time since Death / Postmortem Interval from the Immediate, Early & Late Signs of Death, & Factors influencing such changes. Differentiate between Postmortem Staining (PM Lividity or Suggilation) & Bruise, Hypostasis & Congestion, Rigor Mortis & Cadaveric Spasm, Rigor Mortis & Conditions simulating Rigor Mortis, Primary & Secondary Relaxation of Muscles, etc.	Dr. Rafay A. Siddiqui
Injuries	Lecture # 10	0.75 hours	Define Injury, Hurt, Wound, Assault & Battery according to Pakistan Penal Code / Qisas & Diyat Act	Dr. Rafay A. Siddiqui
Injuries	Lecture # 11	0.75 hours	Classify Mechanical Trauma or Physical Injuries Describe the Blunt Force Trauma	Dr. Rafay A. Siddiqui
Injuries 3	Lecture # 12	0.75 hours	Describe the Firearms & Explosive Injuries (Wound Ballistics) Describe Explosive Injuries Describe Thermal Injuries Express Dating / Age & Sub-classification of every Injury / Wound.	Dr. Rafay A. Siddiqui
Injuries 4	Lecture # 13	0.75 hours	Describe Types & Healing Phenomena of every Injury / Wound. Differentiate Antemortem Wounds / Fractures from Postmortem Wounds / Fractures.	Dr. Rafay A. Siddiqui
Injuries 5	Lecture # 14	01	Enlist ML Classification of Injuries Differentiate b/w Suicidal, Homicidal, Accidental wounds Describe Defense Wounds, Sports Injury Define Head Injury as per National Advisory Neurological Diseases & Stroke Council. Classify Cranio-Cerebral Injury (Scalp, Skull & Brain).	Dr. Muzammil Iqbal



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Injuries 6	Lecture # 15	01	Classify Brain Injury Explain Mechanism of production of brain injury Describe Coup & Contre-Coup Injury. Enlist Bone Fragmentation / Skull Fractures. Discuss Intracranial Hemorrhages/Hematomas, & Brain Swelling (Cerebral Edema).	Dr. Muzammil Iqbal
Injuries 7	Lecture # 16	01	Express Diffuse Axonal Injury (DAI), Diffuse Neuronal Injury (DNI), Diffuse Vascular Injury (DVI). Explain Injury to Neck & Neck Structures / Cervical Trauma, specially Causes, Mechanism, Signs Symptoms & Autopsy findings of Whiplash Injury.	Dr. Muzammil Iqbal
Injuries 8	Lecture # 17	01	Explain Cerebral Concussion, Contusions & Lacerations Describe Fabricated / Fictitious / Forged Wounds (Self-Inflicted & Self-Suffered). Explain Injury to Chest / Thorax & Thoracic Structures Explain Injury to Limb Skeletal Bone Injuries (Fractures, etc.), & Joint Injuries	Dr. Rafay A. Siddiqui

By the end of each small group session (practical) , the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Personal Identity	Practical#1	2.25	Define Personal Identity with mention of its Types. Discuss Factors / Parameters establishing Personal Identity	Dr. Jan e Alam
Personal Identity	Practical#2	2.25	Determine Sex by Microscopic Study of Sex Chromatins Explain Intersex States Determine Sex by Examination of Bones	Dr. Muzammil Iqbal



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Personal Identity	Practical#3	2.25	Determine Age by examination of Teeth Determine Age by examination of Lower Jaw	Dr. Jan e Alam
Personal Identity	Practical#4	2.25	Determine Age by Ossification Activity Detail the ML importance of Age.	Dr. Muzammil Iqbal
Personal Identity	Practical#5	2.25	Define Dactylography Describe Poroscopy, Foot Prints & Lip Prints Describe Anthropometry / Bertillon System Discuss the ML Importance of Hair, Tattoo Marks	Dr. Jan e Alam
Personal Identity	Practical#6	2.25	Categorize Identification in “Mass Disasters” according to World Health Organization Describe various methods to identify dead bodies in mass disasters	Dr. Muzammil Iqbal
Personal Identity	Practical#7	2.25	. Enumerate the specialized techniques used for identification of human remains in mass disasters	Dr. Jan e Alam
Personal Identity	Practical#8	2.25	Describe DNA Fingerprinting / Profiling / Testing / Patterning, & PCR Process. Differentiate between Human & Animal Blood. Differentiate between Human & Animal Semen	Dr. Muzammil Iqbal



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DEPARTMENT OF COMMUNITY MEDICINE
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Introduction to Community Medicine	Lecture#1	1	Define Community Medicine. Define health, disease & wellbeing Explain the ice berg phenomenon. Explain natural history of disease.	Prof. Dr. Nazia Jameel
Concepts of Health & Disease	Lecture#2	0.75	Differentiate between clinical medicine & community medicine. Describe the McKeown's concept. Define ecological triad. Discuss concepts of causation including the ecological triad.	Prof. Dr. Nazia Jameel
Levels of Prevention	Lecture#3	0.75	Describe the levels of prevention. Identify two strategies for each level of prevention related to a common health issue.	Prof. Dr. Nazia Jameel



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DEPARTMENT OF RESEARCH
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Topic Selection and Literature Search	Small group discussion	2	Identify a pertinent topic for research project Utilize appropriate search engine Apply the steps of literature search Utilize the techniques of literature search	Group supervisors





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DEPARTMENT OF MEDICINE & ALLIED
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Introduction to acute and chronic inflammatory disease	Lecture # 1	0.75	Recall mechanism of acute and chronic inflammation List common acute and chronic inflammatory diseases Summarize symptoms causes by inflammatory disorder Identify the workup of inflammatory diseases.	Dr. Masooda Fatima
Clinical Presentation of thromboembolic disorders	Lecture # 2	0.75	Define thromboembolic disorders, differentiate between arterial and venous thromboembolism. Identify their common and atypical clinical presentations. List the diagnostic tests for thromboembolic disorders and interpret findings. Identify the principles of managing thromboembolic disorders, including anticoagulant therapy, thrombolytic therapy	Dr. Bushra Rabbani



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DEPARTMENT OF BEHAVIORAL SCIENCES
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAME OF FACILITATOR
Stress in patients and attendants	Lecture # 1	0.75	Stress in patients Causes of stress in patients Result of increase stress in patient and their attendants Factors that increase stress in patients How health worker can reduce their client's stress	Dr. Azra Shaheen





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DEPARTMENT OF BIOETHICS
LEARNING OBJECTIVES
(3rd year MBBS)

By the end of each lecture, the students of 3rd year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Ethical issues & dilemma	Small group discussion	2		Dr. Tooba Khan





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TIME TABLES
FOR
FOUNDATION
MODULE - II

3rd year MBBS
Session 2024-25



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TIME TABLE (FOUNDATION MODULE)



WEEK 1	(04-03-2024 till 08-03-2024)					
	8.30 - 9.30	9.30 - 10.30	10.30-10.45	10.45-01.45	01.45-02.15	02.15 - 04.30
	Lect I	Lect II				Practical / Tutorial
Monday 04-03-2024	Patho. Introduction to Pathology (Faculty of Pathology Dept.) Venue: Pathology lect. hall (1 st floor block B)	Pharma. Introduction to Pharmacology and Routes of Drug Administration Prof. Dr. Nadeem / Dr. Faraz Salim	TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH BREAK	Patho (A)* Pharma (B)* For. Med. (C)* SDL (D)*
Tuesday 05-03-2024	For. Med. Introduction to Forensic Medicine (I) Dr. Rafay A. Siddiqui	Pharma. Principles of Drug Development Prof. Dr. Asif Ahmed / Dr. Sehrish Mehmood				Patho (B)* Pharma (C)* For. Med. (D)* SDL (A)*
Wednesday 06-03-2024	Patho. Cell Injury (I) Dr. Sarah Azhar	Com. Med. Introduction to Community Medicine Prof. Dr. Nazia Jameel Venue: Com.Med lect. hall (Ground floor, block B)				Patho (C)* Pharma (D)* For. Med. (A)* SDL (B)*
Thursday 07-03-2024	For. Med. Introduction to Forensic Medicine (II) Dr. Rafay A. Siddiqui	Patho. Cell Injury (II) Dr. Sarah Azhar				Patho (D)* Pharma (A)* For. Med. (B)* SDL (C)*
Friday 08-03-2024	Patho. Cell Death-I (Apoptosis) Dr. Ghazal Irfan	Pharma. Cellular Mechanisms of Drug Absorption Prof. Dr. Asif Ahmed / Dr. Urooj Zafar				Patho. Interactive Lecture Intra-cellular Accumulations, Pathological Pigmentation, Pathological Calcification Dr. Sana Mubarak Venue: Pathology lect. hall (1 st floor block B)
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 1 st Floor, BLOCK B						

*Group A: Roll number 061-073, Group B: Roll number 074-086, Group C: Roll number 087-099, Group D: Roll number 070 onwards		
PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Specimen Collection & Tissue Processing, Morphology of Cell Injury	Dr. Rozina Khan / Dr. Nadeem Baqai
PHARMACOLOGY TUTORIAL (Pharma Lect. Hall, 2 nd floor, Block B)	Overview of Pharmacology	Dr. Hina Masood / Dr. Izrum Rajput
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity (I)	Dr. Jan e Alam

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WEEK 2	(11-03-2024) – REGULAR TIME TABLE					
	8.30 - 9.30	9.30 - 10.30	10.30-10.45	10.45-01.45	01.45-02.15	02.15 - 04.30
	Lect I	Lect II				Practical / Tutorial
Monday 11-03-2024	Patho. Necrosis Dr. M. Rizwan	Pharma. Mechanism of drug distribution Prof. Dr. Nadeem / Dr. Humaira	TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH BREAK	Patho (A)* Pharma (B)* For. Med. (C)* SDL (D)*

WEEK 2	(12-03-2024 till 15-03-2024) – RAMADAN TIME TABLE			
	8.30 - 9.15	9.15 - 10.00	10.00 - 12.30	12.30 - 02.30 (Namaz 1.25 – 1.40)
	Lect I	Lect II		Practical / Tutorial
Tuesday 12-03-2024	Pharma. Cellular metabolism of drugs Dr. Urooj / Dr. Sehrish	Patho. Cellular Adaptations – I Dr. Nasima Iqbal	CLINICS / WARDS	Patho (B)* Pharma (C)* For. Med. (D)* SDL (A)*
Wednesday 13-03-2024	For. Med. Introduction to Forensic Medicine (III) Dr. Rafay A. Siddiqui	Patho. Cellular Adaptations – II Dr. Maeesa Sajeel		Patho (C)* Pharma (D)* For. Med. (A)* SDL (B)*
Thursday 14-03-2024	Pharma. Mechanism of General & cellular excretion of drugs Dr. Faraz / Dr. Hina Masood	For. Med. Autopsy - I Dr. Rafay A. Siddiqui		Patho (D)* Pharma (A)* For. Med. (B)* SDL (C)*
Friday 15-03-2024	Patho. Cellular aging Dr. Shajecla Azhar	Behv. Sci. Stress in patients & attendants Dr. Azra Shaheen		Patho. Formative Assessment Dr. Sarah Azhar

LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2nd Floor, BLOCK B

PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Morphology of Necrosis & Cellular Adaptations	Dr. Sana Mubarak
PHARMACOLOGY TUTORIAL (Pharma Lect hall, 2 nd floor, Block B)	Pharmaceutical preparations	Dr. Sunreen / Dr. Hina Masood
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity - II	Dr. Muzzamil Iqbal


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WEEK 3	(18-03-2024 till 22-03-2024) – RAMADAN TIME TABLE			
	8.30 - 9.15	9.15 - 10.00	10.00 - 12.30	12.30 - 02.30 (Namaz 1.25 – 1.40)
	Lect I	Lect II		Practical / Tutorial
Monday 18-03-2024	Patho. Acute Inflammation – I Dr. Sarah Azhar	Pharma. Cellular receptors Prof. Dr. Asif / Dr. Faraz	CLINICS / WARDS	Patho (A)* Pharma (B)* For. Med. (C)* SDL (D)*
Tuesday 19-03-2024	For. Med. Autopsy - II Dr. Rafay A. Siddiqui	Patho. Acute Inflammation – II Dr. Munnazah Rashid		Patho (B)* Pharma (C)* For. Med. (D)* SDL (A)*
Wednesday 20-03-2024	Pharma. Cellular receptor agonists & antagonists Dr. Urooj / Dr. Hina Masood	Medicine & Allied Introduction to acute & chronic inflammatory diseases Dr. Masooda Fatima		Patho (C)* Pharma (D)* For. Med. (A)* SDL (B)*
Thursday 21-03-2024	Pharma. Adverse drug reactions Dr. Sehrish / Dr. Izrum	Patho. Chronic Inflammation Dr. M. Khan		Patho (D)* Pharma (A)* For. Med. (B)* SDL (C)*
Friday 22-03-2024	For. Med. Autopsy - III Dr. Rafay A. Siddiqui	Pharma. Drug-drug interactions Dr. Faraz / Dr. Javeria		Patho. Interactive Lecture Outcomes of Inflammation Dr. Sana Mubarak
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2nd Floor, BLOCK B				
PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Morphology of Acute & Chronic Inflammation		Dr. M. Yasir Rishi	
PHARMACOLOGY Tutorial (Pharma Lect. Hall, 2 nd floor, Block B)	IV infusions		Dr. Sumreen / Dr. Hina Masood	
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity - III		Dr. Jan e Alam	

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WEEK 4	(25-03-2024 till 29-03-2024) – RAMADAN TIME TABLE			
	8.30 - 9.15	9.15 - 10.00	10.00 - 12.30	12.30 - 02.30 (Namaz 1.25 – 1.40)
	Lect I	Lect II		Practical / Tutorial
Monday 25-03-2024	For. Med. Death & Causes of Death - I Dr. Rafay A. Siddiqui	Patho. Healing & Repair - I Dr. Ghazal Irfan	CLINICS / WARDS	Patho (A)* Pharma (B)* For. Med. (C)* SDL (D)*
Tuesday 26-03-2024	Patho. Healing & Repair - II Dr. Nasima Iqbal	Pharma. Pharmacology of chemical mediators & ergot alkaloids Dr. Faraz / Dr. Izrum		Patho (B)* Pharma (C)* For. Med. (D)* SDL (A)*
Wednesday 27-03-2024	Pharma. Histamine & anti-histamines Dr. Sehrish / Dr. Javeria	Patho. Factors Affecting Wound healing & Defects in wound healing Dr. M. Rizwan		Patho (C)* Pharma (D)* For. Med. (A)* SDL (B)*
Thursday 28-03-2024	For. Med. Death & Causes of Death - II Dr. Rafay A. Siddiqui	Pharma. Serotonin agonists & antagonists Prof. Dr. Asif / Dr. Faraz		Patho (D)* Pharma (A)* For. Med. (B)* SDL (C)*
Friday 29-03-2024	Com. Med. Concepts of health & disease Prof. Dr. Nazia Jameel (Venue: Com. Med Lect. Hall)	For. Med. Death & Causes of Death - III Dr. Rafay A. Siddiqui		Patho. Formative Assessment Dr. Sarah Azhar
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2nd Floor, BLOCK B				
PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Morphology of Granulation Tissue & Keloid		Dr. Nadeem Baqai	
PHARMACOLOGY TUTORIAL (Pharma Lect hall, 2 nd floor, Block B)	Introduction to prescription		Dr. Sehrish / Dr. Javeria	
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity - IV		Dr. Muzzamil Iqbal	

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WEEK 5	(01-04-2024 till 05-04-2024) – RAMADAN TIME TABLE			
	8.30 - 9.15	9.15 - 10.00	10.00 - 12.30	12.30 - 02.30 (Namaz 1.25 – 1.40)
	Lect I	Lect II		Practical / Tutorial
Monday 01-04-2024	Patho. Hyperemia, congestion & Haemorrhage Dr. Macesa Sajed	Pharma. Pharmacology of anti-inflammatory drugs (NSAIDS) Prof. Dr. Nadeem / Dr. Humaira	CLINICS / WARDS	RESEARCH
Tuesday 02-04-2024	For. Med. Injuries - I Dr. Rafay A. Siddiqui	Patho. Edema Dr. M. Khan		Patho (A)* Pharma (B)* For. Med. (C)* SDL (D)*
Wednesday 03-04-2024	Pharma. Management of salicylate and acetaminophen poisoning Dr. Schrish / Dr. Izrum	Patho. Embolism Dr. Munnazah Rashid		Patho (B)* Pharma (C)* For. Med. (D)* SDL (A)*
Thursday 04-04-2024	For. Med. Injuries - II Dr. Rafay A. Siddiqui	Com. Med. Levels of prevention Prof. Dr. Nazia Jameel (Venue: Com. Med lect. Hall)		Patho (C)* Pharma (D)* For. Med. (A)* SDL (B)*
Friday 05-04-2024	SDL	For. Med. Injuries - III Dr. Rafay A. Siddiqui		Patho (D)* Pharma (A)* For. Med. (B)* SDL (C)*
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2nd Floor, BLOCK B				
PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Morphology of Hyperemia, congestion & Haemorrhage		Dr. Rozina Khan	
PHARMACOLOGY TUTORIAL (Pharma Lect Hall, 2 nd floor, Block B)	Rate of IV flow calculations & international system of units		Dr. Hina Masood / Dr. Sumreen	
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity - V		Dr. Jan e Alam	

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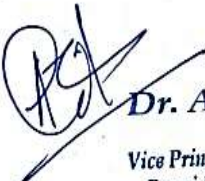
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WEEK 6 (REVISED)	(08-04-2024 till 10-04-2024) – RAMADAN TIME TABLE			
	8.30 - 9.15	9.15 - 10.00	10.00 -	12.30 - 02.30 (Namaz 1.25 – 1.40)
	Lect I	Lect II	12.30	Practical/ Tutorial
Monday 08-04-2024	Patho. Thrombus Dr. Ghazal Irfan	Medicine & Allied Clinical presentation of thrombo-embolic disorders Dr. Bushra Rabbani	CLINICS / WARDS	Patho (A)* Pharma (B)* For. Med. (C)*
Tuesday 09-04-2024	Pharma. Pharmacogenetics Dr. Humaira / Dr. Izrum	For. Med. Injuries - IV Dr. Rafay A. Siddiqui		Patho (B)* Pharma (C)* For. Med. (A)*
TENTATIVE EID HOLIDAYS * subject to sight of moon and BMU notification				
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2 nd Floor, BLOCK B				
PRACTICAL GROUPS: GROUP A (Roll # 001-034), GROUP B (Roll # 035-066), GROUP C (Roll # 067-105) *Temporary arrangement for this week				
PATHOLOGY PRACTICAL (Histopath Lab, 1 st floor, Block B)	Morphology of Embolism & Thrombosis		Dr. Tooba Khan	
PHARMACOLOGY TUTORIAL (Pharma Lect Hall, 2 nd floor, Block B)	Anti-histamines		Dr. Izrum / Dr. Hina Masood	
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)	Personal Identity - VI		Dr. Muzammil Iqbal	


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WEEK 7	(15-04-2024 till 19-04-24) – REGULAR TIME TABLE					
	8.30 - 9.30	9.30 - 10.30	10.30	10.45	01.45	02.15 - 04.30
	Lect I	Lect II	-	-	-	Practical / Tutorial
Monday 15-04-2024	Pharma. Introduction to ANS Pharmacology Dr. Faraz / Dr. Urooj	Patho. Infarction Dr. Sarah Azhar	10.45	01.45	02.15	Patho** (C)* Pharma** (A)* For. Med** (B)*
	PATHOLOGY PRACTICAL** (Histopath Lab) Morphology of Embolism & Thrombosis Dr. Tooba Khan	PHARMACOLOGY TUTORIAL** (Pharma Lect Hall) Anti-histamines Dr. Izzan / Dr. Hina Masood				*PRACTICAL GROUPS: GROUP A (1001-1010) GROUP B (1011-1020) GROUP C (1021-1030)
Tuesday 16-04-2024	Patho. Shock Dr. Nasirra Iqbal	Pharma Cholinergic agonists Dr. Faraz / Dr. Izzan	TEA BREAK	CLINICAL WARDS	NAMAZ & LUNCH BREAK	Patho (A) Pharma (B) For. Med. (C) SDL (D)
Wednesday 17-04-2024	CASE BASED LEARNING (CBL)					Patho (B) Pharma (C) For. Med. (D) SDL (A)
Thursday 18-04-24	For. Med. Injuries - V Dr. Muzammil Iqbal	For. Med Injuries - VI Dr. Muzammil Iqbal				Patho (C) Pharma (D) For. Med. (A) SDL (B)
Friday 19-04-24	For. Med. Injuries - VII Dr. Muzammil Iqbal	Pharma Cholinergic antagonists Dr. Urooj / Dr. Humaira				Patho (D) Pharma (A) For. Med. (B) SDL (C)
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2nd Floor, BLOCK B						
PATHOLOGY TUTORIAL (Histopath Lab, 1 st floor, Block B)		SHOCK (Case discussion)		Dr. M. Yasin Rishi		
PHARMACOLOGY TUTORIAL (Pharma Lect Hall, 2 nd floor, Block B)		NSAIDs		Dr. Javeria / Dr. Izzan		
FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)		Personal Identity - VII		Dr. Jan e Alam		


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WEEK 8 (REVISED)	(22-04-2024 till 27-04-24) – REGULAR TIME TABLE					
	8.30 - 9.30	9.30 - 10.30	10.30 - 10.45	10.45 - 01.45	01.45 - 02.15	02.15 - 04.30
	Lect I	Lect II	-	-	-	Practical / Tutorial
Monday 22-04-2024	For. Med. Injuries - VIII Dr. Rafay A. Siddiqi	Pharma Adrenergic agonists Prof. Dr. Asif / Dr. Javeria	TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH	*Pharma (A+B) **For. Med (C+D)
Tuesday 23-04-2024	OFF DUE TO PUBLIC HOLIDAY IN KARACHI					
*PHARMACOLOGY TUTORIAL (Pharma Lect Hall, 2 nd floor, Block B)		Organophosphate poisoning			Dr. Schrish / Dr. Izrum	
**FORENSIC MEDICINE (For. Med. Museum, 2 nd floor, Block B)		Personal Identity – VIII			Dr. Muzamil Iqbal	
WEEK 8 (REVISED)	8.30 - 9.30	9.30 - 10.30	10.30 - 10.45	10.45 - 01.45	01.45 - 02.15	02.15 - 04.30
	Lect I	Lect II	-	-	-	Practical / Tutorial
Wednesday 24-04-2024	PATHOLOGY FORMATIVE ASSESSMENT Dr. Sarah Azhar	Pharma Adrenergic antagonists Dr. Faraz / Dr. Javeria	TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH BREAK	Pharma (A+B) Anaphylaxis Dr. Humaira / Dr. Javeria *Pharma (C+D) Organophosphate poisoning Dr. Schrish / Dr. Izrum
Thursday 25-04-24	PHARMACOLOGY PRACTICAL Demonstration of the effects of miotics & mydriatics on Rabbit's eye Dr. Hina Masood / Dr. Izrum Group A+B (Pharma Lab, 2 nd floor, Block B) SDL – Group (C+D)					Pharma (C+D) Anaphylaxis Dr. Humaira / Dr. Javeria **For. Med (A+B) Personal Identity – VIII Dr. Muzamil Iqbal
Friday 26-04-24	PHARMACOLOGY PRACTICAL Demonstration of the effects of miotics & mydriatics on Rabbit's eye Dr. Hina Masood / Dr. Izrum Group (C+D) (Pharma Lab, 2 nd floor, Block B) SDL – Group (A+B)					BIOETHICS
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2 nd Floor, BLOCK B						
PHARMACOLOGY TUTORIAL (Pharma Lect Hall, 2 nd floor, Block B)		Anaphylaxis		Dr. Humaira / Dr. Javeria		
PRACTICAL / TUTORIAL GROUP A: (roll # 001 – 050)						
PRACTICAL / TUTORIAL GROUP B: (roll # 051 – 105)						

DATE FOR FOUNDATION MODULE ASSESSMENT: Monday, 29-04-2024


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