



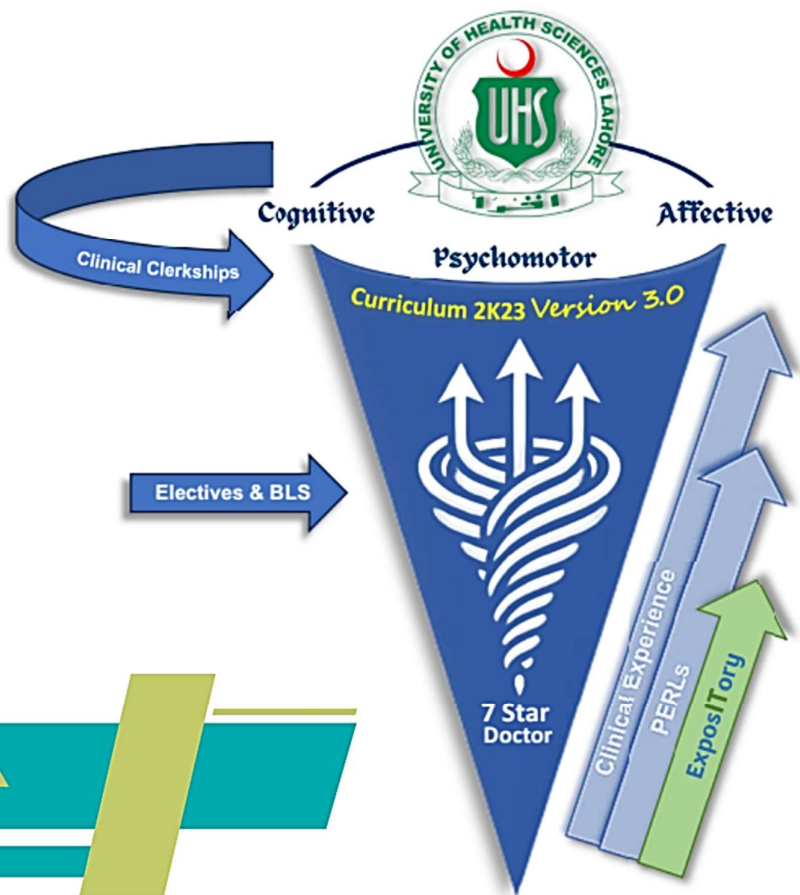
STUDY GUIDE BLOCK 8

Sialkot Medical College, Sialkot



Modular Integrated Curriculum 2K23 *version 3.0*

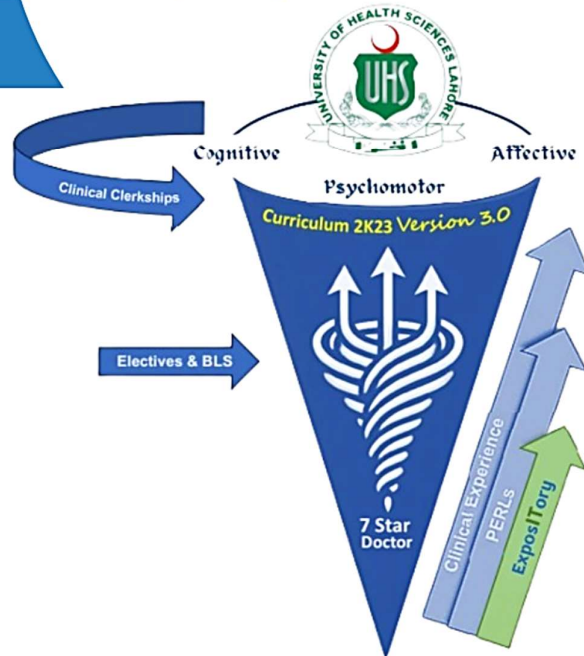
BLOCK-08





MODULE-16 NEOPLASIA

Modular Integrated
Curriculum 2K23
version 3.0



MODULE RATIONALE

Neoplasia module is essential to provide MBBS students with the knowledge and skills abilities necessary to comprehend the biological, clinical, and public health aspects of cancer. this module provides the foundation for effective cancer diagnosis, management, and prevention, it guarantees that our future doctor is well prepared to address one of the most pressing healthcare challenges of our time.

Aim of this module is to provide MBBS students with a comprehensive understanding of neoplasia, preparing them to diagnose, treat, and prevent cancer effectively in their future clinical practice.

MODULE OUTCOMES

- Understand the basic concept of neoplasia, including benign and malignant tumors.
- Describe the molecular and cellular mechanisms of carcinogenesis, including the role of genetic mutations, oncogenes, tumor suppressor genes, and environmental factors
- Understand the classification of tumors based on histology, site of origin, and grading/staging systems (TNM classification).
- Explain the biological mechanisms of tumor growth, invasion, angiogenesis, and metastasis
- Explain the role of the immune system in tumor recognition and immune evasion mechanisms by cancer cells.
- Understand the general principles of cancer treatment, including surgery, chemotherapy, radiotherapy, immunotherapy, and targeted therapy.
- Understand how to utilize diagnostic tools, such as imaging and pathology (biopsy), to identify and assess neoplasms.
- Communicate effectively with patients and families about cancer diagnosis, treatment

SUBJECTS INTEGRATED IN THE MODULE

1. Pathology
2. Pharmacology
3. Radiology
4. Oncology
5. Community Medicine
6. Behavioral Sciences
7. Biochemistry
8. Surgery

IMPLEMENTATION TORs

- The time calculation for completion of modules and blocks is based on 35 hours per week. Total hours of teaching, learning and formative/summative internal assessment to be completed in a year are 1200.
- The hours mentioned within each module are the mandatory minimum required. The rest of the hours are left to the discretion of the institution that can be used in teaching, learning and assessment as per decision of the institutional academic council.
- The content and the intended learning outcomes written are mandatory, to be taught, at the level required, as the end year assessment will be based on these.
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THEORY			
PATHOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 15	
		INTEGRATING DISCIPLINE	TOPIC
N-Pa-001	Define neoplasia, Nomenclature and difference between benign and malignant tumors based on morphological and functional characteristics and epidemiology of cancer.	Pathology	Nomenclature. benign and malignant tumours.
N-Pa-002	Understand the molecular basis of cancer and pathogenesis of neoplasia, including the role of genetic mutations, oncogenes, tumor suppressor genes, mechanisms of cell cycle dysregulation, apoptosis evasion, angiogenesis in tumor progression and metastasis Differentiate Carcinomas, Sarcomas and lymphoreticular neoplasm		Difference between carcinoma and sarcoma and pathways of spread of malignant tumours.
N-Pa-003	Carcinogenic agents with their cellular interactions.		Carcinogenesis
N-Pa-004	Describe the role of diagnostic tools like biopsy, histopathology with IHC (Immuno-histochemistry) and special stains and molecular diagnostics with common tumor markers.		Tumor markers
N-Pa-005	Grading and staging of tumors and treatment strategies.		Grading and Staging Invasion and metastasis
	Understand the concept of invasion and metastasis		
	Basic tumor markers		
N-Pa-006	Molecular basis of cancer		Molecular basis of cancer
N-Pa-007	Define and describe Paraneoplastic syndrome and associate with neoplastic lesions.		Paraneoplastic syndrome

BEHAVIOURAL SCIENCES			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 01	
		INTEGRATING DISCIPLINE	TOPIC
N-BhS-001	Discuss improvement in quality of life, holistic care for terminal cancer patient Discuss palliative care (pain management, psychological support). Understand the importance of mental health support for cancer patients.	Behavioural Sciences	Psychosocial aspect of oncology / cancer
BIOCHEMISTRY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 02	
		INTEGRATING DISCIPLINE	TOPIC
N-B-001	Discuss molecular changes in oncogenes, tumor, suppressor genes, and apoapsis mechanism. Explain Role of epigenetics in cancer development.	Biochemistry	Oncology / cancer
RADIOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 02	
		INTEGRATING DISCIPLINE	TOPIC
N-M-001	Introduction to Radiological Modalities in Oncology Understand the different radiological imaging techniques used in cancer management: i. X-rays ii. Ultrasound iii. CT scans (Computed Tomography) iv. MRI (Magnetic Resonance Imaging) v. PET scans (Positron Emission Tomography) vi. Mammography	Medicine	Introduction
N-Ra-001	Role of Imaging in Cancer Detection and Diagnosis		Role of Imaging

	i. Identify radiological signs of cancer in different imaging modalities. ii. Understand how imaging assists in detecting primary tumors and metastasis. iii. Compare the sensitivity and specificity of different imaging techniques in diagnosing various types of cancer (e.g., CT vs. MRI for brain tumors).		
N-Ra-002	Imaging in Cancer Staging: i. Learn the importance of imaging in staging cancer (TNM system). ii. Understand how radiological imaging helps determine the extent of local, regional, and distant disease spread. iii. Role of CT, MRI, and PET scans in staging cancers like lung cancer, breast cancer, and colorectal cancer.		Imaging
	Imaging-Guided Procedures i. Introduction to imaging-guided diagnostic procedures (e.g., CT or ultrasound-guided biopsy). ii. Learn how interventional radiology aids in both diagnosis and treatment, such as tumor ablation and drainage procedures.		
	Imaging in Treatment Planning: i. Role of imaging in planning surgical interventions, radiotherapy, and other treatments. ii. Understand how imaging assists in monitoring tumor size, location, and response to therapy. iii. Discuss the use of PET/CT scans in assessing the metabolic activity of tumors to guide treatment decisions.		

N-Ra-003	Follow-up and Monitoring - Importance of radiological imaging in follow-up after cancer treatment (e.g., detecting recurrence or metastasis). - Learn how imaging changes guide alterations in treatment plans. - Understand the concept of surveillance imaging for cancer patients in remission.		Follow up & monitoring
N-Ra-004	Radiological Signs of Cancer Complications. Recognize radiological findings associated with complications like: - Tumor obstruction - Bone metastasis - Brain metastasis - Vascular invasion or thrombosis		Complications

PHARMACOLOGY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 10	
		INTEGRATING DISCIPLINE	TOPIC
N-Ph-001	Patho physiology cell cycle	Pharmacology	Cell cycle
	Abnormalities in cell cycle leading to oncogenesis		
N-Ph-002	Cell Cycle specific and non-specific anti-tumour agent mechanism of action, adverse effect, indication drugs interaction of various class of chemotherapeutic agents.		Cell Cycle specific and non-specific anti-tumour agent
	Drugs for palliative therapy in various tumours		
	Drugs related with rehabilitation.		
	Drugs used during phases of radiotherapy e.g tumour lysis syndrome		
	Drugs used beside surgical resection of various tumour to treat complications.		

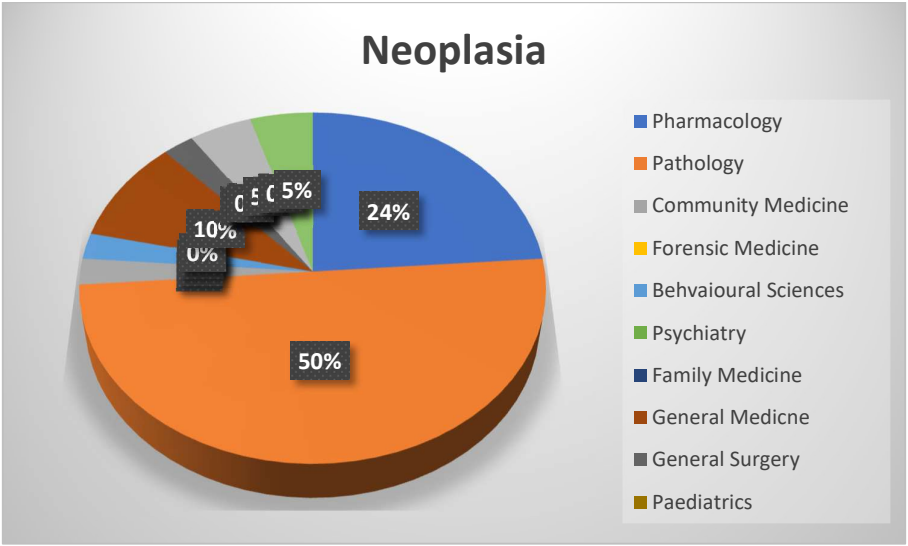
	Glucocorticoids as part of various anti-cancer cocktails.		
SURGERY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 01	
		INTEGRATING DISCIPLINE	TOPIC
N-S-001	Understand the principles of oncologic surgery, including when and how surgery is indicated during the treatment Identify role of surgery, techniques, indicators for curative and palliative surgery.	Surgery	Principles of oncologic surgery
COMMUNITY MEDICINE			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 01	
		INTEGRATING DISCIPLINE	TOPIC
N-CM-001	Define cancer screening and its important Explain methods of screening for common cancers Major risk factors for cancer. Preventive and control measures.	Community Medicine	Screening /prevention
MEDICINE / ONCOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 04	
		INTEGRATING DISCIPLINE	TOPIC
N-M-002	Presenting Problems of Cancer Patients and clinical examination of patients on Cancer Treatment Understand the examination (important clinical signs of patients with cancer)	Medicine & oncology	Presenting problems
N-M-003	Risk factors for Cancer Development Understand and interpret the environment and genetic factors involved in Cancer development		Risk factors
N-M-004	Investigations in Cancer patients Will be able to understand & interpret various investigations required for Cancer patients		Investigation

N-M-005	Oncological Emergencies & Paraneoplastic syndrome Understand & interpret various ecologic emergencies, metastasis of tumours, and Paraneoplastic		Paraneoplastic syndrome
N-M-006	Therapeutic in Oncology Will be able to understand and Interpret Various Therapeutic options like surgery, radiotherapy, chemotherapy, and palliative.		Therapeutics

PRACTICAL / LAB WORK

PATHOLOGY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 06	
		INTEGRATING DISCIPLINE	TOPIC
N-Pa-008	Morphological features of Benign and Malignant tumours (Gross and Microscopic features)	Pathology	Nomenclature, Difference between benign and malignant tumours
	Common Benign tumours (Lipoma, Leiomyoma, Fibroadenoma of Breast)		
	Carcinoma in situ (DCIS & Bowens disease)		
	Common Malignant tumours (Adenocarcinoma, Squamous cell carcinoma)		
N-Pa-009	Tumour grade and stage in malignant tumours Adenocarcinoma / Squamous cell carcinoma (including tumour invasion and metastasis)		Clinical aspects of Neoplasia



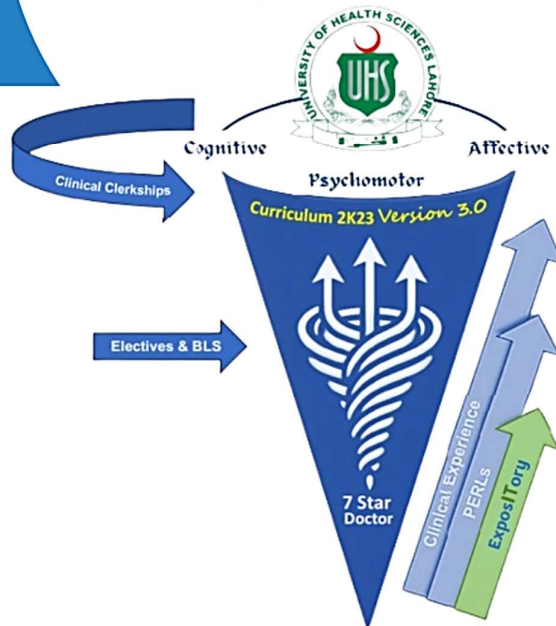
Module Weeks	Recommended Minimum Hours
1.2	42





MODULE-17 INFECTIOUS DISEASES

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MODULE RATIONALE

Infectious diseases pose a universal threat to human health, ranging from mild to life-threatening conditions. This module aims to equip students with essential knowledge of common infections, including their transmission, clinical presentation, diagnosis, and treatment, while emphasizing the importance of infection control and biosafety. Students will learn the pathophysiology of conditions such as sepsis, septic shock, and pyrexia of unknown origin, as well as viral, bacterial, fungal, protozoal, and helminthic infections. Integrating infection control and biosafety into the curriculum, the module covers core safety principles like proper handling of biological materials, risk mitigation strategies, and the use of personal protective equipment (PPE), ensuring that students develop the skills to manage infections effectively while safeguarding public and healthcare worker safety through preventive measures such as immunization and sterilization. This comprehensive approach fosters a deeper understanding of clinical decision-making, laboratory investigations, and public health initiatives in infectious disease management.

MODULE OUTCOMES

- Demonstrate a systematic approach to assessing patients with suspected infections, including pyrexia of unknown origin and sepsis, while adhering to biosafety protocols to minimize the risk of infection transmission during patient evaluation.
- Diagnose common viral infections such as measles, chickenpox, rubella, mumps, influenza, COVID-19, and dengue based on clinical features and diagnostic tools, applying biosafety measures during sample collection and handling.
- Outline treatment options, including antiviral therapies, supportive care, and preventive measures (e.g., immunization) for viral infections.
- Diagnose and manage gram-positive and gram-negative bacterial infections such as pharyngitis, pneumonia, enteric fever, and meningitis.
- Describe the clinical features, diagnosis, and management of clostridial infections (botulism, gas gangrene) and sexually transmitted infections like syphilis.
- Recognize the clinical features and management strategies for mycobacterial infections, with a focus on pulmonary and abdominal tuberculosis.
- Identify and manage common fungal infections, including diagnosis, treatment, and preventive measures.
- Explain the clinical features, investigations, and treatment of protozoal infections such as amoebiasis and helminthic infections like ascariasis and hookworm.
- Describe the life cycle of helminths and explain how infections like hookworm contribute to anemia, along with prevention and treatment strategies.

- Diagnose and manage acute and chronic diarrhea based on etiologies such as bacterial, viral, and protozoal infections.
- Discuss strategies for immunization and prevention of vaccine-preventable diseases, including measles, mumps, rubella, and poliomyelitis.
- Apply empirical and definitive treatment protocols for various infectious diseases, including antibiotic stewardship and antiviral therapies.
- Analyze the epidemiology of diseases like dengue, rabies, and COVID-19, and propose public health interventions for their control and prevention.
- Describe the role of surgical interventions in infections like hydatid cysts, alongside medical management approaches.
- Recognize different types of Healthcare-Associated Infections (HAI), associated pathogens, transmission routes, and prevention strategies.
- Implement effective prevention and control measures for HAI in clinical settings to ensure patient safety.
- Identify and apply biosafety measures in laboratory and clinical settings to ensure safe handling of biological materials and minimize bio risk during infectious disease management.
- Evaluate the importance of bio risk management protocols in infection prevention strategies, focusing on the safe collection, storage, and disposal of biological samples to protect both healthcare workers and patients.

SUBJECTS INTEGRATED IN THE MODULE

1. Microbiology (Pathology)
2. Clinical Pharmacology & Therapeutics
3. Internal Medicine
4. Community Medicine
5. Paed's Medicine.
6. Surgery
7. Gynecology
8. Infection Control
9. Bio-risk management (Biosafety)
10. Clinical Rotation (CR)

IMPLEMENTATION TORs

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THEORY			
MICROBIOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 53	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pa-001	Explain the morphological, pathological and diagnostic aspects of: • Staphylococci. • Streptococci • Clostridia • Bacillus • Corynebacterium • Listeria and Gardnerella	Surgery	Bacterial infectious agents
	Explain the morphological, pathological and diagnostic aspects of; • Gonococci and meningococci • E. coli and salmonella, • Shigella, vibrio, proteus, • Pseudomonas, H.pylori , campylobacter • Spirochetes, Mycobacteria • Chlamydia, rickettsia, actinomycetes	Microbiology	
ID-Pa-002	Explain the life cycles and diagnostic aspects of; • W. bancrofti, D.medinensis, loa loa • Tenia saginata, tenia solium, echinococcus granulosus, D.latum, H.nana • Giardia, entamoeba and plasmodium • Leishmania, toxoplasma, trypanosomes, naegleria.	Microbiology	Parasitic infectious agents
ID-Pa-003	Explain the morphological, pathological and diagnostic aspects of ; • Dermatophytes, malassezia fur fur, Spoorthi, Histoplasma,	Microbiology	Fungal infections

	Explain the morphological, pathological and diagnostic aspects of ; coccidioides, paracoccidioides, blastomyces, candida, mucor, aspergillus, cryptococcus	Microbiology	Fungal infections
ID-Pa-004	Explain the morphological, pathological and diagnostic aspects of; - Adeno virus, papilloma virus, polyoma virus, papova virus - Pox virus, herpes, hepadna - Picornavirus, hepevirus, calicivirus, reovirus	Microbiology	Viral infectious agents
	Explain the morphological, pathological and diagnostic aspects of; - Retrovirus, flaviviruses, togaviruses - Coronavirus, delta virus, paramyxovirus, rhabdovirus, orthomyxovirus, filovirus	Microbiology	
ID-Pa-005	Enlist organisms producing CNS infections.	Microbiology	Microorganisms producing CNS infections
	Correlate clinically the following bacteria via their virulence factors, transmission, pathogenesis, laboratory diagnosis in CNS infections; - Strept. pneumoniae - Strept. agalactiae - Neisseria meningitidis - Haemophilus influenzae E. coli L. monocytogenes - Mycobacterium tuberculosis		
	Correlate clinically the following microbes via their virulence factors, transmission, pathogenesis, laboratory diagnosis in CNS infections; - Enteroviruses - Mumps - Herpes simplex	Microbiology	

	• Adenovirus • C. neoformans • Rabies • Herpes simplex • Malaria • Toxoplasma • Negleria		
	Compare CSF findings of viral and bacterial meningitis.	Microbiology	
ID-Pa-006	Enlist organisms producing diarrhea & food poisoning.	Microbiology	Microorganisms producing GIT infections
	Correlate clinically the following microbes via their virulence factors, transmission, pathogenesis, laboratory diagnosis in GIT infections; • E. coli • B.cereus • Salmonella • Shigella • Vibrio cholerae& other Vibrio species • Helicobacter pylori • Campylobacter jejuni • Clostridium species • Entamoeba histolytica	Microbiology integrates with medicine	
	Correlate clinically the following microbes via their virulence factors, transmission, pathogenesis, laboratory diagnosis in GIT infections • Giardia lamblia • Cryptosporidium parvum • Diphylobothrium latum • Hymenolepis nana • Ancylostoma duodenale • Necator americanus • Ascaris lumbricoides • Entrobis vermicularis • Trichiuris trichiura	Microbiology integrates with medicine	

	• Trichinella spiralis • Polio • Hepatitis A, E • Norwalk & Rotavirus		
	Correlate clinically the following viruses via their virulence factors, transmission, pathogenesis, laboratory diagnosis in acute & chronic hepatitis; Hepatitis A, B, C, D, E, G	Microbiology	
	Correlate clinically the virulence factors, transmission, pathogenesis, laboratory diagnosis of Entamoeba & Echinococcus in liver infections.	Microbiology	
ID-Pa-007	Correlate clinically the virulence factors, transmission, pathogenesis, laboratory diagnosis of organism causing genital tract infections; • Nisseria gonorrhoea • Treponema pallidum • Chlamydia trachomatis • Mycoplasma hominis • Candida albicans • Trichomonas vaginalis • Gardnerella vaginalis • Hepatitis B • HIV • Herpes simplex –II	Microbiology integrates with medicine	Sexually transmitted infections
ID-Pa-008	Discuss important properties of: • Rickettsia, • Leptospira & Brucella, • anthrax, plague. • Francisella, bartonella	Microbiology	ZOONOTIC infections

PHARMACOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 18	
		INTEGRATING DISCIPLINE	TOPIC
ID-Ph-001	Classify cell wall synthesis inhibitors.	Pharmacology	Cell Wall Inhibitors
	Discuss the mechanism of action of beta lactam antibiotics (Penicillin G, V, Oxacillin, Nafcillin, Ampicillin, Amoxicillin, Piperacillin).		
	Delineate the mechanism of resistance to beta lactam antibiotics.		
	Enlist the major adverse effects of penicillin		
	Differentiate the clinical uses of beta lactam antibiotics.		
	Discuss the mechanism of action and clinical significance of Beta Lactamase Inhibitors (Clavulanic acid, Sulbactam, Tazobactam, Avibactam, Vaborbactam)		Cell Wall Inhibitors
	Classify cephalosporin generations		
	Describe their antibacterial spectrum and clinical uses.		
	Differentiate the clinical uses of cephalosporin generations		
	List the major adverse effects of cephalosporins.		
	Describe important features of the carbapenems and monobactam.		
	Describe the mechanism of action of Membrane active antibiotics (daptomycin, Fosfomycin, bacitracin, cycloserine).		
	Describe the mechanism of resistance of Membrane active antibiotics.		
	Describe the adverse effects and toxicities of Membrane active antibiotics.		

	Describe antibacterial spectrum, mechanism of action, resistance, clinical uses and toxicity of vancomycin.		
	Discuss clinical features of Redman Syndrome.		
	Describe antibacterial spectrum, mechanism of action of Teicoplanin, Telavancin, Delbavancin, Oritavancin.		
ID-Ph-002	Explain briefly the major steps of protein synthesis.	Medicine	Protein Synthesis Inhibitors
	Classify protein synthesis inhibitors.		
	Demonstrate the tetracyclines and discuss mechanism of action, resistance, antibacterial spectrum, clinical uses, adverse effects of tetracyclines.		
	Outline features of Milk Alkali Syndrome	Medicine	
	List pharmacological indication and adverse effects of Glycylcycline.		
	Classify Macrolide/ Ketolide.		
	Describe the mechanism of action and pharmacokinetics, antimicrobial spectrum, clinical uses, adverse effects of Erythromycin, Clarithromycin, Azithromycin, Fidaxomycin.		
	Enlist mechanism of resistance & drug interactions of Macrolides.		
	Describe the antibacterial spectra, therapeutic uses and side effects of Ketolides (Telithromycin, solithromycin)		
	Discuss the main characteristics of Clindamycin including mechanism of action, pharmacokinetics, clinical uses and adverse effects.		

Explain Chloramphenicol with respect to its: mechanism of action, resistance, antibacterial spectrum, pharmacokinetics, clinical uses and adverse effects.		
Describe Gray Baby Syndrome.		
Enlist major pharmacokinetic characteristics of Streptogramins (Quinupristin / dalfopristin).		
Classify Antifolate drugs.		
Define Sulfonamides.		
Discuss the classification of Sulfonamides.		
Describe the mechanism of action of Sulfonamides.		
Discuss the clinical uses of Sulfonamides.		
Describe the adverse effects and toxicities of Sulfonamides.		
Outline clinical features of Steven Johnsons Syndrome.		
Explain Trimethoprim & Trimethoprim - Sulfamethoxazol with respect to their mechanism of actions, resistance, antibacterial spectrum, pharmacokinetics, clinical uses and adverse effects		
Define Aminoglycosides.		
Classify Aminoglycosides.		
Describe the mechanism of action of Aminoglycosides (amikacin, gentamycin, streptomycin, tobramycin, neomycin, kanamycin).		
Describe the mechanism of resistance of Aminoglycosides.		
Discuss the clinical uses of Aminoglycosides.		
Describe the adverse effects and toxicities of Aminoglycosides.		

Integrate with
pediatrics

Integrate with
Medicine

	Discuss ototoxicity and nephrotoxicity of Aminoglycosides	Integrate with Medicine	
	Define DNA Gyrase Inhibitors.		
	Discuss the classification of DNA Gyrase Inhibitors.		
	Describe the mechanism of action of DNA Gyrase Inhibitors (Ciprofloxacin, Levofloxacin, Ofloxacin, Getifloxacin and others)		
	Describe the mechanism of resistance of DNA Gyrase Inhibitors.		
	Discuss the clinical uses of DNA Gyrase Inhibitors.		
	Describe the adverse effects and toxicities of DNA Gyrase Inhibitors.		
ID-Ph-003	Briefly describe the signs, symptoms, diagnosis of tuberculosis.	Integrate with Medicine	Antituberculosis Therapy (ATT)
	Classify antituberculosis drugs into 1st line and 2nd line agents with examples.		
	Describe standard protocols (WHO recommendation) for management of newly diagnosed pulmonary tuberculosis, multidrug-resistant tuberculosis, latent tuberculosis.	Integrate with Community Medicine	
	Delineate the characteristic pharmacodynamics and pharmacokinetic properties of Rifampin, Isoniazid, Ethambutol and Pyrazinamide.		
	Discuss the adverse effects of 1 st line antituberculosis drugs.		
	Describe how to monitor patients during antituberculosis drug therapy.		
	Discuss 2 nd line drugs used in treatment of Multidrug resistant tuberculosis with their therapeutic and adverse effects.		
ID-Ph-004	Explain standard protocols (WHO recommendation) for management of leprosy.		Drugs used in Leprosy

	Describe the characteristic properties of dapsone and clofazimine with their adverse effects.		
ID-Ph-005	Classify Antiprotozoal Drugs.		Antiprotozoal Drugs
	Discuss the classification of Antimalarial agents.		
	Describe the mechanism of action of Antimalarial agents.		
	Describe the mechanism of resistance of Antimalarial agents.		
	Discuss the clinical uses of Antimalarial agents.		
	Describe the adverse effects and toxicities of Antimalarial agents.		
	Discuss the main characteristics of antiprotozoal drugs used in amoebiasis & giardiasis including mechanism of action, pharmacokinetics, clinical uses and adverse effects.		
	Discuss the main characteristics of antiprotozoal drugs used in treatment of Leishmaniasis.		
	Discuss the main characteristics of antiprotozoal drugs used in treatment of Trypanosomiasis.	Integrate with Medicine / Paed's	Anti-Helminthic Drugs
ID-Ph-006	Classify anti-helminthic drugs.		
	Discuss drugs used for the treatment of Nematodes.		
	Explain mechanisms of action, clinical uses, adverse effects of Mebendazole, Pyrantel pamoate, Piperazine, Diethylcarbamazine & Ivermectin.		
	Discuss drugs used for the treatment for Tape worm (cestodes) infection.		
	Explain mechanisms of action, clinical uses, and adverse effects of drugs used in cestodes infections.		

	Distinguish the drugs used for the treatment of Cestodes infection based on their characteristics and therapeutic uses.		
	Discuss drugs used in treatment of Neurocysticercosis.		
ID-Ph-007	Classify antifungal drugs.	Medicine / Pead's	Antifungal Drugs Classification
	Discuss drugs used for systemic mycotic infections.		
	Discuss mechanisms of action & resistance, pharmacokinetics, clinical uses, adverse effects of Amphotericin B.		
	Explain the mechanism of action, uses and adverse effects of flucytosine.		
	Classify Azole antifungal drugs.		
	Discuss mechanism of action, resistance, antifungal spectrum, pharmacokinetics, clinical uses, adverse effects and drug interactions of Azole antifungal drugs.		
	Describe important pharmacologic properties of echinocandins.		
	Discuss the drugs used for mucocutaneous mycotic infections.		
	Discuss mechanism of action, resistance, antifungal spectrum, pharmacokinetics, clinical uses, adverse effects and drug interactions of Griseofulvin. and Terbinafine.		
	Discuss the drugs used for cutaneous mycotic infections / Topical agents.		
	Discuss mechanism of action, resistance, antifungal spectrum, pharmacokinetics, clinical uses, adverse effects of drugs used in cutaneous mycotic infections.		
	Discuss mechanism of action, resistance, antifungal spectrum, pharmacokinetics, clinical uses, adverse effects of Nystatin.		

ID-Ph-008	Discuss the main steps of viral replication that are targets for antiviral drugs.		Antiviral Agents
	Describe drugs used in treatment of herpes simplex and varicella zoster virus infection with their properties.		
	Explain the mechanism of action, pharmacodynamics and adverse effects of acyclovir, valacyclovir and famciclovir.		
	Explain the mechanism of action, pharmacodynamics and adverse effects of agents used in cytomegalovirus infection.		
	Classify antiretroviral agents.		
	Discuss mechanism of action, resistance, pharmacokinetics, clinical uses, adverse effects of NRTIs, NNRTIs, PIs, INSTIs, Fusion inhibitors, CCR5 coreceptor antagonist, CD4 post-attachment inhibitors.		
	Demonstrate the standard protocol for treatment of hepatitis B and C.		
	Describe pharmacodynamics and adverse effects of interferon, entacavir, tenofovir, ribavirin and others.		
	Describe the mechanism of action of drugs used in treatment of COVID-19 and influenza along with their adverse effects.		
	Briefly discuss antiretroviral drug used in treatment of HIV AIDS.		
Describe the significant characteristics of the five groups of drugs used in HIV AIDs.			
COMMUNITY MEDICINE			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 06	
		INTEGRATING DISCIPLINE	TOPIC
ID-CM-001	Analyze the local & global burden of Tuberculosis Identify the risk factors of TB	Integrate with Microbiology	Tuberculosis

	Identify prevention and control measures for Pulmonary TB in line with WHO strategies for control of TB		
	Appreciate significance of TB DOTS therapy for TB control		
ID-CM-002	Discuss the global burden of hepatitis		Hepatitis
	Discuss the importance of awareness & screening of hepatitis.		
	Analyze effective prevention methods for each type of hepatitis.		
	Discuss role of vaccination		
	Explain public health initiatives for prevention and control of hepatitis.		
	Describe the measures for prevention of vertical transmission of Hep B virus from mother to child transmission.		
ID-CM-003	Evaluate the Global Polio Eradication Initiative		Polio
	Analyze the historical and current global impact of poliomyelitis vaccination efforts.		
	Evaluate the effectiveness of different poliovirus vaccines (OPV and IPV) and vaccination schedules.		
	Discuss community health strategies for poliovirus surveillance, outbreak response & vaccination campaigns.		
	Describe End game strategy by WHO for Polio eradication		
ID-CM-004	Discuss the global distribution of measles, mumps, Rubella and their occurrence in different population groups		Measles, Mumps, Rubella
	Describe the mode of transmission (airborne droplets) and the highly contagious nature of measles, mumps, Rubella	Integrate with Microbiology	

	Recognize the role of vaccination coverage and herd immunity in controlling outbreaks of measles, mumps, Rubella Discuss public health strategies for prevention and control of measles, mumps, Rubella including vaccination campaigns, surveillance, and outbreak response.		
ID-CM-005	Describe the goals and objectives of the Expanded Program of Immunization in Pakistan. Identify the key vaccines included in the EPI schedule. Analyze the strategies employed to implement the EPI in various communities. Evaluate the role of healthcare workers, community leaders, and families in promoting immunization. Identify the common barriers to immunization coverage in Pakistan Discuss enhance vaccination uptake. Discuss recent developments in the EPI, Pakistan Analyze the potential impact of global health initiatives on the EPI's progress.		EPI
ID-CM-006	Describe the role of vaccination in preventing diphtheria, including the DTP (Diphtheria, Tetanus, Pertussis) Identify the recommended vaccine schedule for children and adults. Analyze community-based vaccination campaigns Analyze public awareness programs & school health initiatives to control its transmission.		Diphtheria
ID-CM-007	Identify the global distribution of tetanus, including endemic areas & populations at higher risk Describe the role of tetanus vaccination (Td or Tdap) in children.		Tetanus

	Describe the role of tetanus vaccination in adults.		
	Discuss the significance of booster doses		
	Discuss the importance of timely immunization after potential exposure to contaminated wounds.		
	Discuss the importance of educating the community about wound care.		
	Discuss the significance of seeking medical attention for injuries.		
INTERNAL MEDICINE			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 05	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pa-009	Define pyrexia of unknown origin.	Integrate with Microbiology/ Pathology	Pyrexia of unknown origin
	Describe the investigations of a patient with pyrexia of unknown origin.		
ID-Ph-009	Summarize the treatment plan of a patient with pyrexia of unknown origin.	Integrate with Pharmacology	
ID-Pa-013	Discuss the signs, symptoms, diagnosis and treatment of septic and aseptic meningitis.	Integrate with Microbiology	CNS
	Discuss the signs, symptoms, diagnosis and treatment of septic and aseptic encephalitis.		
ID-Ph-010	Discuss the signs symptoms diagnosis and treatment of diarrhea and dysentery.	Integrate with Pharmacology	GIT infections
ID-Ph-011	Discuss the clinical diagnosis and treatment of typical and atypical pneumonia.		Respiratory tract infections
	Discuss the clinical diagnosis and treatment of TB		

GYNAECOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 02	
		INTEGRATING DISCIPLINE	TOPIC
ID-GO-001	Discuss clinical presentation & treatment of pelvic inflammatory diseases (PID)	Integrate with Pharmacology	Sexually transmitted infections
ID-GO-002	Discuss the differential diagnosis of bacterial, parasitic and fungal vaginosis/vaginitis and their treatment	Integrate with Microbiology	Genital tract
PEDIATRICS MEDICINE			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 02	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pe-001	Discuss the signs symptoms diagnosis and treatment of neonatal meningitis.	Integrate with Microbiology	CNS
ID-Pe-002	Discuss the signs symptoms diagnosis and treatment of diarrhea in infants.		GIT
ID-Pe-003	Discuss the clinical diagnosis and treatment of childhood respiratory tract infections.		RTI
SURGERY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 02	
		INTEGRATING DISCIPLINE	TOPIC
ID-S-001	Discuss the treatment of carbuncle, necrotizing fasciitis and gas gangrene	Integrate with Microbiology	Skin infections
ID-S-002	Discuss the signs symptoms diagnosis and surgical treatment of hydatid cyst and its differential diagnosis with amoebic liver abscess	Integrate with Medicine	GIT

MICROBIOLOGY (INFECTION CONTROL)			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 08	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pa-009	Define hospital acquired infections (HAI)	Microbiology	Infection prevention & control
	Discuss various types of HAI		
	Enlist bacteria and fungi associated with HAI		
	Describe the main routes of transmission of HAI in detail		
	Discuss the etiology and prevention of VAP (ventilator associated pneumonia)		
	Discuss the etiology and prevention of hospital acquired UTI		
	Discuss the etiology and prevention of nosocomial diarrhea		
	Discuss the etiology and prevention of central line associated infections		
	Discuss various methods of hospital sanitation		
	Define antimicrobial surfaces and enlist the microorganisms that are frequently present on touch surfaces		
	Describe the various preventive techniques to reduce the HAI		

MICROBIOLOGY

BIOSAFETY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 05	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pa-010	Define biosafety and biosafety levels according to WHO? Enlist the bio risk organisms in each of biosafety levels? What are 4 levels of biosafety? Discuss the safety protocols of BSL 1? Discuss the safety protocols of BSL 2? Discuss the safety protocols of BSL 3? Discuss the safety protocols of BSL 4? Define biological waste? categorize the biological wastes (HAZARDOUS, NON HAZARDOUS, SHARPS)? Describe procedures for segregation, storage, treatment and disposal of biological waste? Define spill management and discuss the steps for the management of a laboratory spill? Define PPE and discuss the situations under which PPE should be used by the health care professionals. Discuss the SOP of transportation of biological samples? Define and briefly discuss bio risk management?	Microbiology	Bio-risk management (BRM)

PRACTICALS / LAB WORK

MICROBIOLOGY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 08	
		INTEGRATING DISCIPLINE	TOPIC
ID-Pa-011	Identify the stained slides* of gram positive and gram-negative bacteria (staphylococci, streptococci, Neisseria, Strept. pneumoniae, E. coli, proteus and acid fast bacilli). (*if slides will not be available, photographic slides should be used	Microbiology	Staining
ID-Pa-012	Interpret the culture sensitivity reports and antibiogram of gram positive and gram-negative bacteria.		Laboratory reporting
ID-Pa-013	Identify and describe the organisms that grow on the Blood agar, Chocolate agar, nutrient agar, TCBS, MacConkey media, LJ media. CLED, TSI, UREASE, CITRATE. blood culture bottle and anaerobic jar		Culture sensitivity
ID-Pa-014	Identify the ova, cysts and trophozoites of protozoans, helminths, cestodes and schistosomes.		Stool examination
ID-Pa-015	Perform and interpret the catalase test, coagulase test and oxidase test.		Laboratory tests

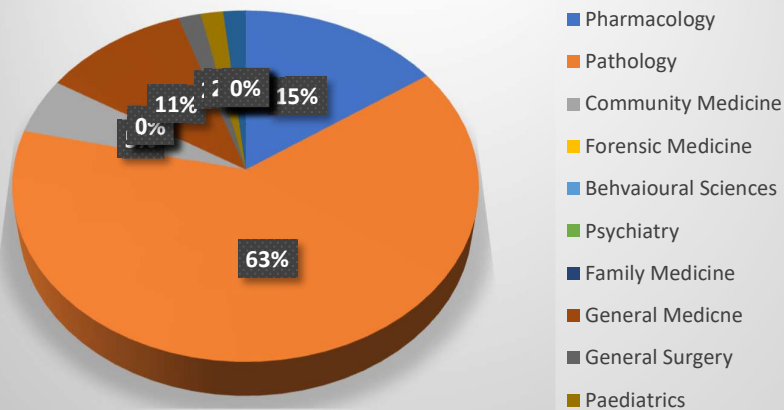
CLINICAL ROTATIONS / COMMUNITY HEALTHCARE

INTERNAL MEDICINE

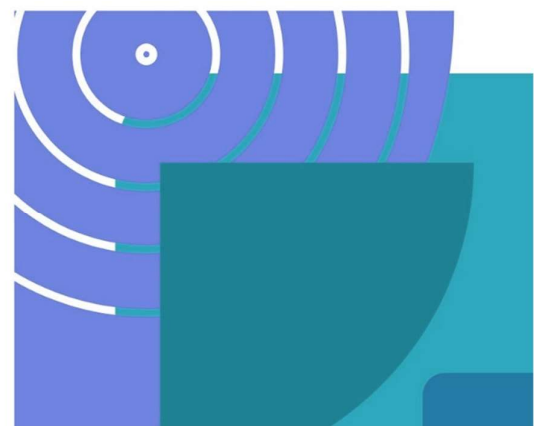
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 08	
		INTEGRATING DISCIPLINE	TOPIC
ID-M-001	Demonstrate an accurate and comprehensive history from patient with fever	Internal medicine	History taking
ID-M-002	Perform a thorough general physical examination of a patient with fever		Physical Examination
ID-M-003	Order laboratory and radiological investigations for a patient with fever		Investigations

ID-M-004	Interpret the results of investigations of a patient with fever		Results
ID-M-005	Use information from history, physical examination, and laboratory investigations to identify and formulate a differential diagnosis of the underlying causes of fever		Differential diagnosis
ID-M-006	Formulate a therapeutic plan by integrating information from history, physical examination, and laboratory data for the management of a patient with fever		Therapeutic plan
ID-M-007	Record and present the complete history, physical examination findings, laboratory data, differential diagnosis, and therapeutic plan in a systematic, concise, and coherent manner, both in writing and orally		Management plan

Infectious Diseases



Module Weeks	Recommended Minimum Hours
3.3	117

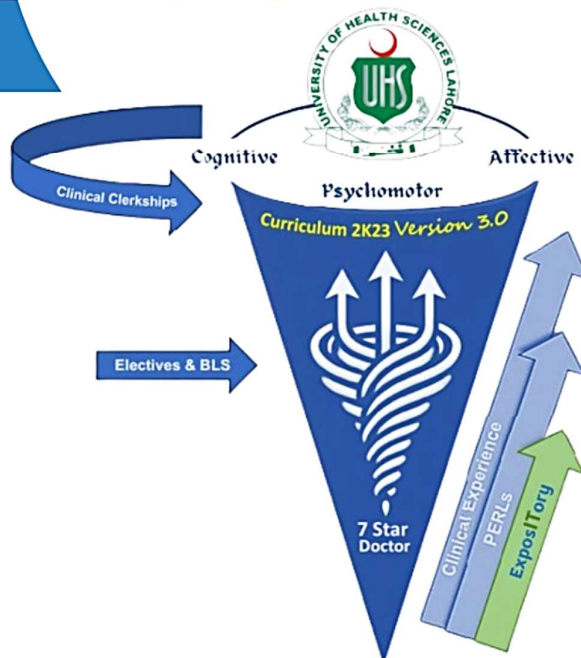




MODULE-18

MUSCULOSKELETAL & LOCOMOTION-II

Modular Integrated
Curriculum 2K23
version 3.0



MODULE RATIONALE

The Musculoskeletal & Locomotion II module is designed to deepen medical students' understanding of the musculoskeletal system, integrating knowledge from multiple disciplines to enhance the management of musculoskeletal disorders and injuries. This module emphasizes the interconnectedness of various fields, including orthopedics, surgical traumatology, forensic traumatology, and rheumatology, while also incorporating essential subjects such as pathology, pharmacology, community medicine, behavioral sciences, radiology, and evidence-based medicine.

Integrated Learning: This module promotes an integrated approach to understanding the musculoskeletal system. By combining orthopedics, surgical traumatology, forensic traumatology, and rheumatology, students will gain a holistic perspective on diagnosis and treatment, preparing them for the complexities of clinical practice.

Pathology and Pharmacology: Understanding the underlying pathology of musculoskeletal disorders is essential for effective management. This module emphasizes the importance of pathology and pharmacology, equipping students with the knowledge to identify disease mechanisms and select appropriate pharmacological interventions for pain management and inflammation control.

Community Medicine and Behavioral Sciences: Musculoskeletal disorders significantly impact community health and patient well-being. The module includes community medicine to address the epidemiology, prevention, and health promotion aspects of musculoskeletal conditions. Additionally, behavioral sciences will be integrated to enhance understanding of patient behavior, adherence to treatment, and the psychosocial factors affecting recovery.

Radiology and Evidence-Based Medicine: Proficiency in interpreting radiological findings is crucial for diagnosing musculoskeletal conditions. The module will cover radiological techniques relevant to orthopedics and traumatology, allowing students to correlate imaging results with clinical findings. Furthermore, an emphasis on evidence-based medicine will teach students how to critically appraise research and apply findings to clinical decision-making, ensuring the delivery of high-quality patient care.

Real-World Applications: By focusing on both common and complex musculoskeletal disorders, including those requiring surgical intervention, students will develop the skills necessary to assess and manage a wide range of conditions. This prepares them for future roles in various healthcare settings, from primary care to specialized practices.

Multidisciplinary Collaboration: The management of musculoskeletal disorders often requires a team approach, involving collaboration with specialists in orthopedics, rheumatology, radiology, and rehabilitation. This module fosters an appreciation for interdisciplinary teamwork and the importance of effective communication in providing optimal patient care.

MODULE OUTCOMES

- Explain the pathology and underlying mechanisms of common musculoskeletal disorders and injuries, including septic arthritis, osteomyelitis, fractures, and degenerative conditions.
- Identify key features of various musculoskeletal disorders, including their clinical presentations, epidemiology, and impact on community health.
- Perform thorough musculoskeletal examinations to assess joint mobility, strength, and functional capabilities.
- Interpret relevant imaging studies (e.g., X-rays, MRI, CT scans) to aid in the diagnosis and management of musculoskeletal conditions.
- Apply appropriate first aid measures for common musculoskeletal injuries, including immobilization techniques and pain management strategies.
- Integrate knowledge from orthopedics, surgical traumatology, forensic traumatology, and rheumatology to develop comprehensive management plans for patients with musculoskeletal conditions.
- Collaborate effectively with healthcare professionals from diverse specialties, including pathology, pharmacology, community medicine, behavioral sciences, and radiology, to enhance patient care.
- Critically evaluate and apply current evidence-based guidelines and research findings to inform clinical decision-making in the management of musculoskeletal disorders.
- Formulate treatment plans that incorporate pharmacological and non-pharmacological interventions based on best practices and individual patient needs.
- Demonstrate empathy and effective communication skills when interacting with patients suffering from musculoskeletal disorders, ensuring a patient-centered approach to care.
- Educate patients about their conditions, treatment options, and the importance of adherence to management plans for optimal outcomes.
- Recognize the ethical considerations and challenges in the management of musculoskeletal disorders, including issues related to informed consent, patient autonomy, and resource allocation.

- Exhibit professionalism in all interactions with patients, families, and healthcare team members, promoting a culture of respect and trust.

SUBJECTS INTEGRATED IN THE MODULE

1. Orthopedics
2. Rheumatology
3. Surgery/ Traumatology
4. Forensic Traumatology
5. Pathology
6. Pharmacology
7. Community Medicine
8. Behavioural Sciences
9. Radiology
10. Evidence-Based Medicine

IMPLEMENTATION TORs

- The time calculation for completion of modules and blocks is based on 35 hours per week. Total hours of teaching, learning and formative/summative internal assessment to be completed in a year are 1200.
- The hours mentioned within each module are the mandatory minimum required. The rest of the hours are left to the discretion of the institution that can be used in teaching, learning and assessment as per decision of the institutional academic council.
- The content and the intended learning outcomes written are mandatory, to be taught, at the level required, as the end year assessment will be based on these.
- However, the level of cognition can be kept at a higher level by the institution.
- The Table of Specifications provided will be used for the three papers of the first professional examination. The same table of specifications should be used for the respective three block exams for internal assessment.



THEORY			
RHEUMATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 17	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Rh-001	Understand the scope and importance of rheumatology.	Rheumatology	Introduction to Rheumatology
	Recognize common musculoskeletal disorders managed in rheumatology.		
MS2-Rh-002	Describe the pathophysiology of Rheumatoid Arthritis (RA).	Rheumatology, Medicine	Rheumatoid Arthritis (RA)
	Identify clinical features of Rheumatoid Arthritis (RA).		
	Explain diagnostic criteria for Rheumatoid Arthritis (RA).		
	Differentiate Rheumatoid Arthritis (RA) from other inflammatory joint diseases.		
MS2-Rh-003	Explain the pathogenesis of Osteoarthritis (OA).	Rheumatology, Medicine	Osteoarthritis (OA)
	Identify clinical manifestations of Osteoarthritis (OA).		
	Discuss diagnostic methods for Osteoarthritis (OA).		
	Explain the community burden of Osteoarthritis (OA).	Rheumatology, Community Med	
	Identify risk factors for Osteoarthritis (OA).		
MS2-Rh-004	Define Crystal Arthritis, including Gout and Pseudogout.	Rheumatology, Medicine	Crystal Arthritis (Gout/Pseudo gout)
	Describe the pathophysiology of Gout.		
	Describe the pathophysiology of Pseudogout.		
	Identify clinical features of Gout.		

	Identify clinical features of Pseudogout.	Rheumatology, Community Med	
	Discuss diagnostic tests for Crystal Arthritis.	Rheumatology, Medicine	
	Differentiate between Gout and Pseudogout based on clinical and diagnostic findings.		
	Outline management strategies for Gout.		
	Outline management strategies for Pseudogout.		
MS2-Rh-005	Define Systemic Inflammatory Vasculitis.	Pathology	Systemic Inflammatory Vasculitis
	Describe the pathophysiology of Systemic Inflammatory Vasculitis.		
	Identify types of Systemic Inflammatory Vasculitis.		
	Discuss the community burden of Systemic Inflammatory Vasculitis.	Rheumatology, Medicine	
	Explain risk factors for Systemic Inflammatory Vasculitis.	Pathology	
	Describe clinical features of Systemic Inflammatory Vasculitis.		
	Identify diagnostic tests for Systemic Inflammatory Vasculitis.		
	Justify the use of diagnostic investigations in Systemic Inflammatory Vasculitis.	Rheumatology, Medicine	
	Discuss management strategies for Systemic Inflammatory Vasculitis.	Medicine	
MS2-Rh-006	Define Autoimmune Rheumatic Diseases (e.g., SLE, Sjogren's, Systemic Sclerosis).	Pathology	Autoimmune Rheumatic Diseases
	Describe the pathophysiology of Systemic Lupus Erythematosus (SLE).	Pathology	
	Identify clinical manifestations of Sjogren's Syndrome.		
	Explain the pathophysiology of Systemic Sclerosis.		

	Discuss treatment options for Polymyositis and Dermatomyositis.	Rheumatology, Medicine	
	Define Spondylarthritis and its clinical features.		
	Describe clinical features of Spondylarthritis.		
	Explain diagnostic criteria for Autoimmune Rheumatic Diseases.	Pathology	
	Differentiate Autoimmune Rheumatic Diseases from each other.		
MS2-Rh-007	Understand the role of evidence-based medicine in rheumatology management.	Rheumatology, Evidence-Based Medicine	Integrated EBM
	Apply evidence-based guidelines to rheumatology case studies.		
	Critically evaluate current research in rheumatology.		
	Integrate evidence-based practices into rheumatology treatment plans.		
	Demonstrate the ability to appraise rheumatology research studies.		
	Apply evidence-based findings to clinical decision-making in rheumatology.		
	Summarize key research advancements in rheumatology.		
	Implement evidence-based guidelines in rheumatology practice.		
ORTHOPEDICS			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 14	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Orth-001	Define the field of orthopedics and its significance.	Orthopedics	Introduction to Orthopedics
	Identify common orthopedic conditions and their impact.	Community Medicine	

MS2-Orth-002	Explain the classification of fractures using the AO system.	Orthopedics, Radiology	Fracture Classification and Healing
	Describe principles of fracture healing.		
	Differentiate between complete and incomplete fractures.		
MS2-Orth-003	Discuss pediatric fractures and their management.	Orthopedics, Pediatrics, Rehabilitation	Pediatric Fractures
	Explain Salter-Harris classification for growth plate injuries.		
MS2-Orth-004	Define osteoporotic fractures and their clinical features.	Orthopedics, Geriatrics, Endocrinology	Osteoporotic Fractures
	Identify common sites of osteoporotic fractures.		
	Discuss risk factors for osteoporosis.		
MS2-Orth-005	Define pathological fractures and differentiate from traumatic.	Orthopedics, Oncology, Radiology	Pathological Fractures
	Identify causes of pathological fractures.		
	Describe diagnostic approaches for pathological fractures.		
	Explain management options for pathological fractures.		
MS2-Orth-006	Classify sports injuries and their management.	Orthopedics, Sports Medicine, Physical Therapy	Sports Injuries
	Describe common sports injuries in upper and lower limbs.		
	Discuss pathophysiology of muscle strains and ligament sprains.	Pathology, Sports Medicine	
	Explain biomechanics of gait and malalignment injuries.	Biomechanics, Orthopedics, Sports Medicine	
	Outline injury prevention strategies in sports.	Physiology, Sports Medicine	
	Analyze rehabilitation processes for sports injuries.		

	Discuss use of assistive devices in rehabilitation.	Orthopedics, Physical Therapy	
	Explain psychological impact of sports injuries.	Psychology, Sports Medicine	
	Describe nutritional roles in recovery from sports injuries.	Nutrition, Sports Medicine	
	Understand surgical intervention in severe sports injuries.	Surgery, Orthopedics, Physical Therapy	
	Promote multidisciplinary approach in managing sports injuries.	Sports Medicine, Team Management	
MS2-Orth-007	Define genetic conditions: Achondroplasia and Marfan's Syndrome.	Orthopedics, Genetics, Surgery	Genetic Conditions in Orthopedics
	Describe clinical features of Achondroplasia.		
	Explain management of Marfan's Syndrome.		
MS2-Orth-008	Define scoliosis and its types.	Orthopedics, Rehabilitation	Bone and Joint Disorders
	Identify clinical features and screening methods for scoliosis.	Orthopedics, Pediatrics	
	Discuss treatment options for scoliosis.	Orthopedics, Rehabilitation	
	Recognize multidisciplinary approach in managing scoliosis.		
	Define Osteogenesis Imperfecta and its genetic basis.	Orthopedics, Genetics, Rehabilitation	
	Identify clinical features and types of Osteogeneses Imperfecta.	Orthopedics, Pediatrics	
	Discuss management strategies for Osteogenesis Imperfecta.	Orthopedics, Rehabilitation	
	Educate patients on Osteogenesis Imperfecta.	Orthopedics, Rehabilitation	

	Define Marfan's Syndrome and its genetic basis.	Orthopedics, Genetics, Surgery	
	Identify clinical manifestations of Marfan's Syndrome.	Orthopedics, Cardiology	
	Discuss management strategies for Marfan's Syndrome.	Orthopedics, Surgery	
	Promote patient education and support for Marfan's Syndrome.	Orthopedics, Rehabilitation	
SURGICAL TRAUMATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 12	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Orth-009	Define ATLS and describe its relevance in trauma management.	Trauma Surgery, Surgery, Orthopedics	Introduction to Surgical Traumatology
MS2-Orth-010	Explain principles of trauma management and primary survey.	Trauma Surgery, Emergency Medicine	Introduction to Trauma Management & ATLS
	Describe types of injuries managed in traumatology.	General Surgery	
	Discuss multidisciplinary approach in trauma care.	Trauma Surgery, Surgery, Orthopedics	
	Identify key specialties in managing traumatic injuries.	Trauma Surgery, Surgery, Orthopedics	
MS2-Orth-011	Understand ATLS guidelines in primary survey (ABCDE).	Emergency Medicine, Trauma Surgery	Primary Survey and ATLS
	Recognize common causes of severe trauma.	Emergency Medicine, Trauma Surgery	
	Apply ATLS principles in conducting primary survey.	Emergency Medicine,	

		Trauma Surgery	
	Identify indications for rapid imaging in trauma assessment.	Radiology, Emergency Medicine	
MS2-Orth-012	Describe shock recognition and resuscitation measures.	Trauma Surgery, Critical Care	Shock Recognition and Management
MS2-Orth-013	Define Traumatic Brain Injury (TBI) and classify its severity.	Neurology, Neurosurgery	Traumatic Brain Injury (TBI)
	Describe pathophysiology of primary and secondary brain injury.	Neurosurgery, Pathology	
	Identify common causes of TBI.	Epidemiology, Emergency Medicine	
	Describe clinical features of TBI.	Neurology, Emergency Medicine	
	Explain importance of early imaging for TBI diagnosis.	Radiology, Neurology	
	Discuss ATLS role in TBI management.	Emergency Medicine, Trauma Surgery	
	Outline complications of TBI.	Neurology, Neurosurgery, Critical Care	
MS2-Orth-014	Define Neck and Spine Trauma and classify it.	Orthopedics, Neurosurgery, Trauma Surgery	Neck and Spine Trauma
	Recognize mechanisms of neck and spine trauma.	Epidemiology, Emergency Medicine	
	Describe anatomy of spine and spinal cord in trauma context.	Anatomy, Orthopedics, Neurosurgery	
	Identify clinical features of neck and spine trauma.	Neurology, Emergency Medicine, Neurosurgery	

	Understand importance of immobilization in spinal trauma.	Emergency Medicine, Orthopedics	
	Discuss role of imaging in spinal trauma diagnosis.	Radiology, Orthopedics, Neurosurgery	
	Recognize role of ATLS in spinal trauma management.	Emergency Medicine, Trauma Surgery	
	Outline complications of spine trauma.	Critical Care, Neurology, Rehabilitation	
MS2-Orth-015	Define Maxillofacial Trauma and its classification.	Oral & Maxillofacial Surgery, Plastic Surgery	Maxillofacial Trauma
	Identify causes of Maxillofacial Trauma.	Epidemiology, Emergency Medicine	
	Explain anatomy relevant to Maxillofacial Trauma.	Plastic Surgery, ENT	
	Recognize clinical features of facial trauma.	Surgery, Maxillofacial Surgery, ENT	
	Identify importance of airway management in facial trauma.	Emergency Medicine	
	Describe radiological investigations for facial fractures.	Radiology, Oral & Maxillofacial Surgery	
	Discuss complications of maxillofacial trauma.	Emergency Medicine, Plastic Surgery, ENT	
	Outline ATLS principles in maxillofacial trauma management.	Emergency Medicine, Trauma Surgery	
	Discuss surgical interventions for maxillofacial trauma.	Oral & Maxillofacial Surgery, Plastic Surgery	

MS2-Orth-016	Define Extremity Trauma and its types.	Orthopedics, Emergency Medicine	Extremity Trauma
	Explain mechanisms of extremity trauma.	Epidemiology, Trauma Surgery	
	Recognize clinical signs of extremity injuries.	Orthopedics, Emergency Medicine	
	Identify life-threatening complications of extremity trauma.	Orthopedics, Emergency Medicine	
	Understand role of imaging in extremity trauma diagnosis.	Radiology, Orthopedics	
	Describe principles of ATLS in extremity trauma management.	Emergency Medicine	
	Discuss management techniques for extremity trauma.	Orthopedics, Physical Therapy	
	Explain indications for surgical intervention in extremity trauma.	Orthopedics, Trauma Surgery	

PATHOLOGY, PHARMACOLOGY, COMMUNITY MEDICINE and BEHAVIORAL SCIENCES & EBM

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 20	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Pa-001	Discuss the etiology, pathophysiology, morphology, clinical manifestations and diagnostic criteria of Rheumatoid Arthritis (RA)	Pathology	MSK Diseases & Tumors
	Discuss the etiology, pathophysiology, morphology, clinical manifestations and diagnostic criteria of Osteoarthritis (OA)		
	Discuss the etiology, pathophysiology, morphology, clinical manifestations and diagnostic criteria of Crystal Arthritis (Gout/Pseudogout)		
	Discuss the etiology, pathophysiology, morphology, clinical manifestations and diagnostic criteria of Autoimmune Rheumatic Diseases		

	Identify bone tumors, cartilaginous and soft tumors and their clinical features.		
	Discuss the etiology, pathophysiology, morphology, clinical manifestations and diagnostic criteria of Bone tumours, cartilaginous and soft tumors		
MS2-Ph-001	Describe pharmacologic interventions for MSK disorders.	Pharmacology	MSK Drugs & Interventions
	Explain mechanisms of NSAIDs in MSK disorders.		
	Describe DMARDs and their use in MSK disorders.		
	Discuss corticosteroids in MSK management.		
	Explain bisphosphonates and opioids in MSK disorders.		
MS2-CM-001	Understand epidemiology of MSK diseases.	Community Medicine	Epidemiology & Prevention
	Discuss public health burden of MSK diseases.		
	Explain preventive measures for MSK diseases.		
	Discuss pharmacologic management in rheumatology.	Pharmacology, Rheumatology	Pharmacologic Management in Rheumatology
	Understand the use of NSAIDs in rheumatic diseases.		
	Describe DMARDs and their role in managing RA.		
	Explain corticosteroids in rheumatic disease management.		
	Discuss biologics in rheumatology management.		
	Describe opioids for pain management in rheumatology.		
	Understand the epidemiology of rheumatic diseases.	Community Medicine	Epidemiology & Prevention
	Discuss the public health burden of rheumatic diseases.		

	Explain preventive measures for rheumatic diseases.		
MS2-BhS-001	Analyze psychosocial impact of chronic MSK conditions.	Behavioral Sciences	Psychosocial Impact & Patient Counseling
	Describe patient counseling techniques for MSK conditions.		
	Promote adherence to MSK treatment plans.		
	Educate patients on importance of adherence to MSK management.		
	Discuss impact of disability on MSK patients.		
MS2-Orth-017	Understand role of evidence-based medicine in MSK management.	Rheumatology, Pharmacology	Integrated EBM
	Apply evidence-based guidelines to rheumatology case studies.	Rheumatology, Evidence-Based Medicine	
	Critically evaluate current research in rheumatology.	Rheumatology, Evidence-Based Medicine	
	Integrate evidence-based practices into rheumatology treatment plans.	Rheumatology, Evidence-Based Medicine	
	Demonstrate the ability to appraise rheumatology research studies.		
	Apply evidence-based findings to clinical decision-making in rheumatology.		
	Summarize key research advancements in rheumatology.		
Implement evidence-based guidelines in rheumatology practice.			

PRACTICAL / LAB WORK

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 09	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Pa-002	Interpret various investigations related to joint diseases including: i. Complete Blood Count (CBC) ii. Erythrocyte Sedimentation rate (ESR) iii. C-reactive protein (CRP) iv. Creatine Kinase (CK) v. Rheumatoid factor (RF) vi. Antinuclear antibody (ANA) vii. Anti-Neutrophil Cytoplasmic Antibodies (ANCA) viii. Serum uric acid level	Pathology	Test Interpretation
MS2-Pa-003	Interpret related cultures for diagnosis for infections	Microbiology, Pathology	
MS2-Ra-001	Interpret imaging tests to evaluate various musculoskeletal disorders including: i. X-rays ii. Computed tomography (CT) Scans iii. Ultrasound Scans iv. Bone Scans	Radiology Rheumatology Orthopedics Surgical Traumatology	
MS2-Ph-002	Analysis and interpretation of Drugs (atracurium or skeletal muscle relaxant) on animal through online videos / simulations / graphs / practical performance.	Pharmacology	MSK & locomotion
	Analysis and interpretation of different Concentrations of Drugs (atracurium or skeletal muscle relaxant) on Frog's rectus muscle through online videos / simulations / graphs / practical performance.		

CLINICAL ROTATIONS / COMMUNITY HEALTHCARE

GENERAL MEDICINE/GENERAL SURGERY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 12	
		INTEGRATING DISCIPLINE	TOPIC
MS2-M-001	Elicit symptom of “pain” in history in terms of location, intensity, duration, character, aggravating and relieving factors.	General Medicine	History taking in pain
MS2-S-001	Elicit symptom of “swelling” in history in terms of location, intensity, duration, character, aggravating and relieving factors.	General Surgery	History taking in swelling
MS2-M-002	Elicit symptom of “swelling” in history in terms of location, duration, pattern and any family or drug history.	General Medicine	History taking in swelling in drug history
MS2-Rh-011	Elicit symptom of ‘joint mobility” in history in terms of location, intensity, duration, character, aggravating and relieving factors.	Rheumatology	History taking in joint mobility
MS2-Orth-017	Elicit symptom of “joint mobility” in history in terms of its location, duration, pattern, mechanism of injury with associated symptoms.	Orthopedics	History taking in joint mobility
	Elicit the signs and symptoms of patient with joint dislocation in history		
	Elicit signs and symptoms of patient with fracture in history		
MS2-Rh-012	Elicit the signs and symptoms of patient with osteoporosis	Rheumatology	History taking in osteoporosis
	Elicit a patient history to make a provisional diagnosis		

RHEUMATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 24	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Rh-013	Palpate joints or areas for tenderness, warmth, swelling, and other inflammatory markers (e.g., effusion).	Rheumatology, Medicine	Physical Examination
	Assess range of motion (ROM) in joints, both actively (patient's effort) and passively (examiner's effort).	Rheumatology, Orthopedics	
	Test for specific joint tenderness and swelling in conditions like gout, rheumatoid arthritis, and osteoarthritis.	Rheumatology, Medicine	
	Assess for joint deformities (e.g., rheumatoid nodules, Heberden's nodes).	Rheumatology, Orthopedics	
	Perform a thorough hand and wrist examination for signs of arthritis (e.g., Boutonnière deformity, swan neck deformity).	Rheumatology, Orthopedics	
	Examine for abnormal postural patterns such as scoliosis, kyphosis, or lordosis.	Rheumatology, Orthopedics	
	Perform a spine examination, assessing for alignment, tenderness, and range of motion.	Rheumatology, Orthopedics	
	Perform pulse examination in Systemic Inflammatory Vasculitis.	Rheumatology	
AFFECTIVE DOMAIN			
MS2-PS-001	Show empathy toward patients with chronic pain.	Patient Communication, Ethics	Affective Domain
	Communicate the importance of early intervention.		
	Encourage adherence to long-term treatment plans.	Patient Education, Chronic Care	
	Promote timely referrals to specialists when necessary.	Patient Education, Chronic Care	

	Promote dietary interventions to improve overall health.	Nutrition, Patient Education	
	Discuss the prognosis of diseases based on findings and individual circumstances.	Clinical Decision Making, Pediatrics	
ORTHOPEDICS			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 22	
		INTEGRATING DISCIPLINE	TOPIC
MS2-Orth-018	Inspect normal gait and assess deviations such as limping, stiffness, or imbalance.	Orthopedics, Medicine	Physical Examination
	Assess muscle strength surrounding normally functioning limbs using standard grading techniques (e.g., Oxford scale).	Orthopedics, Physical Therapy	
	Assess joint stability through special tests (e.g., Lachman test for ACL integrity, McMurray test for meniscus tears).		
	Perform a compartment syndrome assessment (checking for swelling, pain, and vascular compromise).	Orthopedics, Traumatology	
	Assess vascular status (pulses, capillary refill) in cases of trauma or orthopedic injury.		
	Conduct a neurological examination of the upper and lower limbs to assess motor and sensory function.	Orthopedics, Neurology	
MS2-Orth-019	Demonstrate skills in performing a thorough assessment of extremity injuries, including physical examination techniques.	Clinical Skills, Orthopedics	Soft Tissue, Neurological, and Bony Extremity Injuries
	Provide first aid to a person with bone injury like common sprains, fractures and dislocations (immobilization of body part) resuscitation of injured patient.	Orthopedics, Emergency Medicine	

MS2-Orth-020	Demonstrate skills in assessing fractures through physical examination and appropriate imaging modalities, including X-rays and CT scans.	Clinical Skills, Radiology	Fractures
	Perform a fracture assessment and evaluate signs of potential fractures or dislocations (e.g., deformity, abnormal movement).	Orthopedics, Traumatology	
	Demonstrate skills in developing individualized treatment plans based on fracture type, patient factors, and healing principles.	Orthopedics, Patient Care	
	Demonstrate clinical skills in assessing and managing fractures in various locations, including the use of appropriate imaging studies.	Orthopedics, Radiology	
	Observe application of dressings, splints, plasters and other immobilization techniques in fracture patients in emergency	Orthopedics, Radiology	
	Observation of fracture reduction and fixation	Orthopedics, Radiology	
	Observation of internal and exrernal fixation	Orthopedics, Radiology	
MS2-Orth-021	Assess and prioritize patients based on the severity of injuries.	Orthopedics, Emergency Medicine	Principles of Triage Surgery and Damage Control
	Implement damage control surgery techniques for orthopedic trauma.	Orthopedics, Trauma Surgery	
	Identify candidates for damage control surgery.		
	Stabilize fractures and manage soft tissue injuries in a timely manner.		
	Minimize the risk of complications and improve patient outcomes through damage control strategies.		
AFFECTIVE DOMAIN			
MS2-Orth-022	Recognize the indications for surgical intervention in the management of fractures, including fixation techniques and considerations for rehabilitation.	Orthopedics, Rehabilitation	Fractures

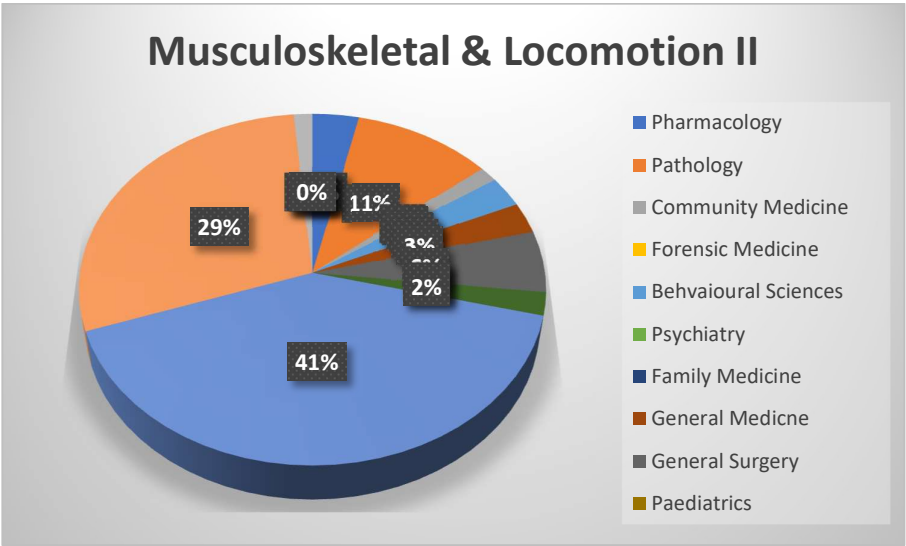
MS2-Orth-023	Educate patients on the principles of fracture healing and the importance of adherence to treatment protocols for optimal recovery.	Orthopedics, Patient Education	Fracture Healing and Principles of Treatment
MS2-Orth-024	Educate patients on the importance of follow-up and rehabilitation based on fracture location to optimize healing and functional recovery.	Orthopedics, Patient Education	Treatment by fracture location and region
	Collaborate with multidisciplinary teams to address unique challenges presented by fractures in specific regions (e.g., elderly patients with hip fractures).	Orthopedics, Geriatrics, Rehabilitation	
MS2-Orth-025	Coordinate with other specialties for comprehensive trauma care.	Orthopedics, Emergency Medicine, Anesthesiology	Principles of Triage Surgery and Damage Control
	Educate patients and families about the triage process and damage control strategies.	Orthopedics, Rehabilitation	

SURGICAL TRAUMATOLOGY

General Principles of ATLS - ABCDE

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 12	
		INTEGRATING DISCIPLINE	TOPIC
MS2-S-001	Assess airway patency and clear airway obstructions. Apply cervical spine immobilization if necessary.	Surgery, Anesthesiology	General Principles of ATLS - ABCDE
	Inspect for chest movement, auscultate breath sounds, palpate for deformities.	Surgery	
	Assess pulse, control external bleeding, and assess perfusion. Initiate shock management if required.	Surgery, Cardiology	
	Assess level of consciousness using the Glasgow Coma Scale (GCS) and check pupil reaction.	Surgery, Neurology	
	Expose the patient to assess for hidden injuries and prevent hypothermia.	Surgery, Emergency Medicine	
	Conduct secondary survey - a head-to-toe examination, including history and detailed physical exam.	Surgery, Emergency Medicine	

SPECIAL EXAMINATIONS ACCORDING TO TYPE OF TRAUMA			
MS2-M-001	Use the Glasgow Coma Scale to assess consciousness in patients with head injuries.	Neurology	Traumatic Brain Injury (TBI)
MS2-Orth-026	Assess for tenderness and deformity along the cervical spine in trauma patients.	Orthopedics	Neck and Spine Trauma
MS2-M-002	Identify abnormal breath sounds during auscultation to detect potential injuries.	Pulmonology	Thoracic Trauma
MS2-S-002	Perform abdominal palpation to identify tenderness or rigidity indicating injury.	Surgery	Abdominal Trauma
MS2-S-003	Recognize signs of facial fractures or deformities during the examination.	Surgery	Maxillofacial Trauma
MS2-S-004	Conduct a quick neurovascular examination of the limbs to evaluate pulse and sensation.	Orthopedics	Extremity Trauma
MS2-S-005	Conduct a triage to prioritize patients in mass casualty situations.	General Surgery	Disaster Surgery
AFFECTIVE			
MS2-S-009	Recognize when to initiate life-saving interventions such as airway management, chest decompression, and external hemorrhage control.	Trauma Surgery, Emergency Medicine	Early Assessment and Management of Severe Trauma
	Initiate consultation/ referral to a trauma center for further management, ensuring early communication with the trauma team.	Emergency Medicine, Trauma Surgery	
	Recognize when to initiate life-saving interventions such as airway management, chest decompression, and external hemorrhage control.	Trauma Surgery, Emergency Medicine	



Module Weeks	Recommended Minimum Hours
04	142



CRIME SCENE DO NOT

CRIME SCENE DO NOT



**Modular Integrated
Curriculum 2K23**
version 3.0

MODULE-19
**Forensic Medicine
& Toxicology-II**

MODULE RATIONALE

This module trains the 3rd year MBBS student to handle social issues like violence, and sexual exploitation, they can identify injuries and give an inference on their cause. It equips them with skills to provide accurate medical evaluation and contribute to justice.

MODULE OUTCOMES

- Explain the biomechanics of wound production
- Determine the manner of injury
- Describe the pathophysiology of injuries and their effects on the body
- Define & Explain puberty, Impotence in males, frigidity in females, Sterility and medico-legal importance.
- Reproduce different sections of law relevant to sexual offenses.

SUBJECTS INTEGRATED IN THE MODULE

1. Pathology
2. Surgery
3. Gynae / Obs.

IMPLEMENTATION TORs

- The time calculation for completion of modules and blocks is based on 35 hours per week. Total hours of teaching, learning and formative/summative internal assessment to be completed in a year are 1200.
- The hours mentioned within each module are the mandatory minimum required. The rest of the hours are left to the discretion of the institution that can be used in teaching, learning and assessment as per decision of the institutional academic council.
- The content and the intended learning outcomes written are mandatory, to be taught, at the level required, as the end year assessment will be based on these.
- However, the level of cognition can be kept at a higher level by the institution.
- The Table of Specifications provided will be used for the three papers of the first professional examination. The same table of specifications should be used for the respective three block exams for internal assessment.



THEORY			
TRAUMATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 03	
		INTEGRATING DISCIPLINE	TOPIC
For2-Tr-001	Define injury, wound and hurt.	Forensic Medicine	General concept
	Classify injuries on the basis of causative weapons		
	Classify injuries as per Qisas and Diyyat Act.		
For2-Tr-002	Explain mechanism of wound production with reference to subject, object and contact.		Wound production
For2-Tr-003	Define abrasions. Classify abrasion. Describe mechanism of production of abrasions. Differentiate between different types of abrasions. Explain medicolegal importance of abrasions.		Abrasion
For2-Tr-004	Define bruises. Describe mechanism of production of bruises. Classify bruises. Explain pathophysiology of color changes in the bruise Assess the age of wound from color changes of wound. Distinguish between bruise, artificial bruise and hypostasis. Explain medico legal importance of bruises.		Bruise
For2-Tr-005	Define lacerated wound. Outline mechanism of production of a lacerated wound. Classify lacerated wounds. Differentiate between a lacerated wound and incised wound on gross examination. Explain medico legal importance.		Laceration
For2-Tr-006	Explain mechanism of fracture of bones/tooth. Discuss the mechanism of fractures/tooth. Describe different types of fractures of bones.	Surgery/Ortho pedics	Fractures

	Interpret the age of fractures from radiological findings. Illustrate stages of healing of fractures of bones/teeth. Apply the nature of the fracture in the injury certificate as per Qisas and Diyat act. Explain medico-legal importance of fracture of bone/tooth.		
For2-Tr-007	Define incised/stab wounds. Discuss mechanism of production of an incised wound. Explain medico-legal significance of incised/stab wounds		Incised/stab wounds

SPECIAL TRAUMATOLOGY

CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 12.5	
		INTEGRATING DISCIPLINE	TOPIC
For2-Tr-008	Describe the pathophysiology of injuries. Explain effects of injuries on the body.	Pathology	Pathophysiology of injuries
For2-Tr-009	Elaborate different methods (naked eye examination, microscopic examination, histochemical and biochemical methods) for determination of age of wound. Describe different methods (naked eye examination, microscopic examination, histochemical and biochemical methods of determination of ante mortem/post mortem nature (vital reaction) of a wound.	Pathology, surgery, medicine & Forensic medicine	Timing of injury / ante mortem, post mortem nature of wound
For2-Tr-010	Link Sequelae of trauma to its original cause and search for the relationship of sequelae to pre-existing disease.		Ewing's postulates
For2-Tr-011	Give a detailed account of battered baby or Caffey syndrome from a medicolegal point of view. Diagnose a case of a battered baby on the basis of different injuries sustained by a battered baby		Battered baby syndrome
For2-Tr-012	Define torture. Explain reasons, types and complications of torture. Describe medicolegal aspects of torture.		Torture

For2-Tr-013	Examine and prepare Medico-legal report of an injured person with different etiologies in a simulated/supervised environment.		Medicolegal Certification of injury
For2-Tr-014	Define fire arms and ballistics. Classify fire arm. Explain different parts of fire arm weapons. Describe ammunition used in firearms. Explain chain of events of firing		Internal ballistics
For2-Tr-015	To explain the factors affecting the trajectory of bullet after its exit from the muzzle end.		External Ballistics
For2-Tr-016	Interpret wound complex produced by a rifled and non-rifled weapons at different ranges. Calculate the distance of fire from the wound examination. Differentiate between entry and exit wounds of fire arms. Explain medicolegal importance of fire arm injuries.		Terminal Ballistics
For2-Tr-017	Identify gun powders and ammunition used through different methods.		Gun powders
For2-Tr-018	Describe mechanics of blast injuries. Explain effects of blast injuries on human body. Describe medicolegal aspects of blast injuries		Blast injuries
For2-Tr-019	Explain mechanism of injuries to soft and bony tissues of head, neck, chest, abdomen and limbs. Describe effects of injuries to head, neck, chest, abdomen and limbs. Describe medicolegal aspects of regional injuries		Regional Injuries
For2-Tr-020	Classify transport accidents. Describe different factors involved in the causation of RTA. Classify and describe different patterns of injuries sustained by pedestrians and occupants of the vehicles Explain medicolegal significance and prevention of RTA.		Transportation Injuries

For2-Tr-021	Define thermal injuries. Classify thermal injuries-flame burns and scalds. Describe degree of burns according to different classifications. Calculate percentage of burnt surface area and their effects on the body. Describe management of the burnt patient clinically. Appraise causes of death due to burn. Determine age of burn and ante-mortem/post mortem nature of burn. Describe autopsy findings and medico legal importance of burns.	Surgery	Thermal Injuries / Burn
For2-Tr-022	Classify electrical injuries injuries-low voltage and high voltage Explain factors affecting electrocution. Describe mechanism and causes of death in electrocution. Interpret different patterns of electrical injuries due to low and high voltage current and lightening Describe autopsy findings and medico legal importance of electrocution		Electrocution Lightening
For2-Tr-023	Explain deaths from exposure to high environmental temperature like heat stroke, heat cramps and heat exhaustion. Explain deaths from exposure to low environmental temperature like Frost bite, Trench foot, Immersion foot. Describe their mechanism of development, autopsy findings and medicolegal importance. Interpret Starvation, causes, clinical findings, autopsy findings and medicolegal importance		Hyper / Hypothermia/ Starvation
For2-Tr-024	Describe chemical burns Explain mechanism of development of chemical burns Describe autopsy findings		Chemical Burns

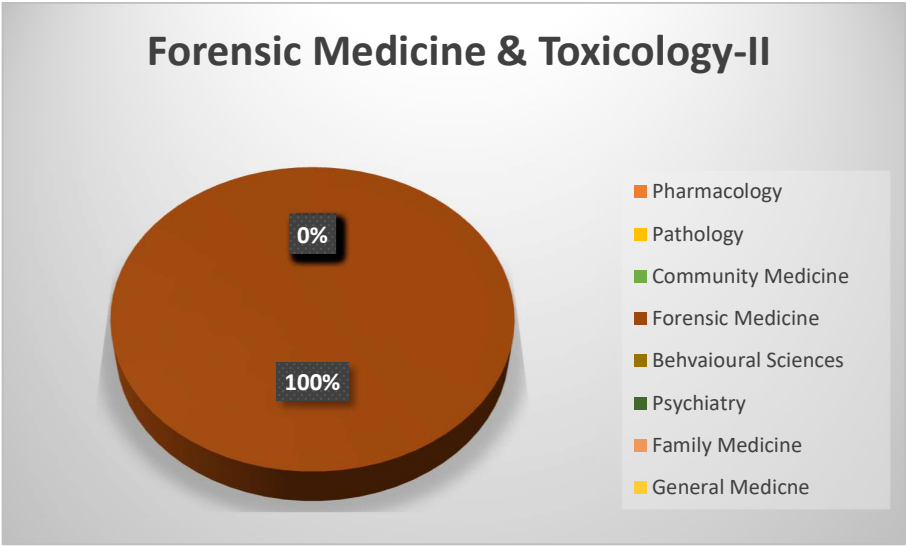
	Summarize the chemical burns as per qisas and diyat act. Describe medicolegal importance of chemical burns.		
For2-Tr-025	Define and classify drowning. Explain mechanism of death in wet and dry drowning. Describe external and internal autopsy findings in wet and dry drowning. Interpret biochemical and diatom tests. Emphasize medicolegal importance of drowning		Drowning
MEDICOLEGAL ASPECTS OF SEXUAL OFFENCES			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 4.5	
		INTEGRATING DISCIPLINE	TOPIC
For2-Se-001	Comprehend the terms-impotency, frigidity in females and sterility Explain their causes. Narrate their medico legal importance	Forensic Medicine & Gyne/obs	Impotency frigidity and sterility
For2-Se-002	Explain signs of virginity and defloration. Interpret medico legal importance		Virginity and defloration
For2-Se-003	Describe presumptive, probable and sure signs of pregnancy in living and dead.		Pregnancy
For2-Se-004	Explain recent and old signs of delivery in living and dead.		Delivery
For2-Se-005	Define and classify abortions Explain motives for criminal abortions Reproduce different methods of inducing criminal abortion Outline complications and causes of death due to abortion. Describe findings in living and dead after abortion. Examine the aborted material to assess the age and viability Apply sections of Qisas and Diyat act relevant to abortion.		Abortion/Miscarriage

For2-Se-006	Classify sexual offenses (natural, un-natural and perversions) and explain their medico legal importance. Describe sexual perversions and identify the traits. Reproduce different sections of law relevant to sexual offenses. Explain Medico-legal examination of a victim of sexual assault and issue report. Describe Medico-legal examination of the alleged accused of rape and issue report Know the Medico-legal examination in unnatural sexual offence. Outline collection, preservation and dispatch of specimens in cases of sexual assaults to chemical examiner. Interpret Psycho-pathology of assailant Interpret Psycho-pathology of victim Undertake initial management & referral of victim.		Sexual Offences
For2-Se-007	Define infanticide. State status of infants-still born/dead born/live born. Describe autopsy findings to determine whether live born or not, cause of death, age of new born and others	Forensic Medicine	Infanticide
PRACTICAL / LAB WORK			
TRAUMATOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 09	
		INTEGRATING DISCIPLINE	TOPIC
For2-Tr-026	Recognize and identify common conventional blunt objects, sharp objects, firearms, electrical instruments and chemicals and their medico-legal aspects. (lathi, knife, axe, gandasa, sickle, dagger, razor	Forensic medicine	Mechanical injuries

	& stick, fire arms		
For2-Tr-027	Differentiate between different types of abrasions		Abrasion
For2-Tr-028	Assess the age of a bruise on the basis of color changes. Differentiate between a bruise and post mortem staining		Bruise
For2-Tr-029	Differentiate between a lacerated and incised wound on naked eye examination		wound
For2-Tr-030	Assess the age of fracture by recognition of healing stages on x rays Apply different sections of Qisas and Diyat Act from examination of fractures on x rays		Age of fracture
For2-Tr-031	Identify hurt and apply relevant section of Qisas and Diyat Act for: i. Itlaf-udw ii. Itlaf -slahiat-udw iii. Shajja iv. Jurh		Hurt / Qisas N Diyat Act
For2-Tr-032	Demonstrate appropriate examination of an injured person and issue the report in a simulated/supervised environment correctly		Certification of injury
For2-Tr-033	Identify different types of fire arm weapons Identify different parts of fire arm weapons Identify different parts of ammunition. Determine the type of fire arm weapon from the examination of fire arm wound complex. Calculate the firing range of the weapon from appearance of wound. Identify characteristics of entry and exit fire arm wounds.		Firearm
For2-Tr-034	Differentiate between dry burn and wet burn. Calculate burnt surface area Determine age and nature of burn on naked eye examination		Burn

	Recognize autopsy findings.		
For2-Tr-035	Recognize between entry and exit wounds of electric currents on body. Describe different pathways of electric currents through human body. Recognize different patterns of electrical injuries.		Electrocuted injury
For2-Tr-036	Recognize different patterns of effects of high/low environmental temperature on the body. Appreciate clinical and autopsy findings of death due to starvation		Hypo / Hypothermia / starvation
For2-Tr-037	Recognize different patterns of Chemical burns over body. Apply relevant sections of Qisas And Diyat Act.		Chemical Burns
For2-Tr-038	Identify different kinds of ligature materials used for hanging Recognize different types of hanging Appreciate nonspecific and specific autopsy findings of hanging. Know how to remove and preserve the ligature material used.		Hanging
For2-Tr-039	Differentiate between ligature marks due to hanging and strangulation. Appreciate nonspecific and specific autopsy findings of hanging. Know how to remove and preserve the ligature material used.		Strangulation / Hanging
For2-Tr-040	Appreciate external and internal autopsy findings of death due to throttling. Determine the position of assailant and victim from external marks on neck		Throttling
For2-Tr-041	Appreciate external and internal autopsy findings of death due to smothering, choking, gagging and traumatic asphyxia		Smothering / Gagging
For2-Tr-042	Appreciate external and internal autopsy findings of death due to drowning.		Drowning

SEXOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 06	
		INTEGRATING DISCIPLINE	TOPIC
For2-Se-008	Replicate Medico-legal examination of a victim of sexual assault and issue report. Demonstrate Medico-legal examination of the alleged accused of rape and issue report. Copy the Medico-legal examination in unnatural sexual offence. Perform collection, preservation and dispatch of specimens in cases of sexual assaults to chemical examiner.	Forensic medicine	Sexual assault



Module Weeks	Recommended Minimum Hours
01	35





MUSCULOSKELETAL AND LOCOMOTION-II

**Proposed Sequence of Topics Mentioned below. Medical Colleges are at liberty to manage according to their resources. Topics can switch within each Block*

Total Hours = 06

Code	Domain	Topic	Specific Learning Objectives	Proposed Portfolio Entry
	Research	Identification of Research Problem	- Describe the process of identifying a viable research problem based on gaps in existing literature. - Draft a research problem statement in a relevant medical field and formulate a research question based on the current literature. - Submit a well-defined research problem statement that highlights a gap in the literature and explains the importance of investigating this issue further.	Evidence of submitted Research Problem to assigned Research Mentor.
	Professionalism	Adapting to the Physician's Role	Appreciate the skills to adapt to the physician's role, including managing stress, handling uncertainty, and making clinical decisions, while demonstrating professionalism in diverse clinical settings.(skills include emotional resilience, critical thinking, communication, and time management)	Submit a reflective essay on a clinical experience where you applied these skills to manage stress, handle uncertainty, and make clinical decisions, proposing strategies to develop your adaptability further.
	Ethics	Autonomy in rehabilitation, Informed consent	- Discuss the process of obtaining informed consent, ensuring patients are fully aware of their treatment options, risks, and potential outcomes. - Ensure the patient's autonomy is respected throughout the	Develop an Informed consent Sheet for patients undergoing rehabilitation after trauma.

			decision-making process.	
	Leadership	Entrepreneurship in Healthcare	- Discuss the basic principles of entrepreneurship in healthcare, including identifying gaps in healthcare services, understanding innovation, and exploring how entrepreneurial thinking can improve patient care and healthcare delivery. - Identify a gap or unmet need in the healthcare system (e.g., a service or technology that could improve patient outcomes) and suggest an innovative solution or approach.	Propose an innovative solution that could address the gap or improve patient care, with a focus on how entrepreneurial thinking can be applied.

INFECTIOUS DISEASES

**Proposed Sequence of Topics Mentioned below. Medical Colleges are at liberty to manage according to their resources. Topics can switch within each Block*

Total Hours = 06

Code	Domain	Topic	Specific Learning Objectives	Proposed Portfolio Entry
	Professionalism	Professional Responsibility in Public Health	Recognize the professional duty of healthcare workers to protect vulnerable patients, colleagues, and the community by adhering to infection control protocols and promoting public health measures. Effectively communicate the risks and management strategies related to contagious diseases to patients and their families (i.e Tuberculosis) balancing public health concerns with individual patient rights and privacy.	Make a public awareness poster on infection control.

	Ethics	End-of-life decisions, ventilator use	Explore the ethical considerations involved in end-of-life decisions, including using ventilators, balancing patient autonomy, family wishes, and medical judgment in making these decisions.	Write a case analysis on end-of-life decisions, particularly regarding ventilator use, and propose an ethically sound approach to decision-making.
	Research	Developing Research Hypotheses and Questions	- Understand the process of formulating research hypotheses and developing research questions, with a focus on creating clear, testable, and relevant questions using PICO - Formulate a research question and corresponding hypothesis based on a gap identified in the existing literature related to the research problem identified previously. - Submit a research proposal with a problem statement supported by a brief literature review, a well-defined research question and a hypothesis.	Evidence of submitted research hypothesis/question to assigned Research Mentor.
	Research	Introducing Clinical Audit	Understand the basic concept of a clinical audit and how it can help improve healthcare practices, particularly in infection control, by comparing current practices to standards.	Submit a brief reflection on an infection control practice you observed during your clinical rotation. Suggest one area that could be audited to improve the quality of care and explain why this area was chosen.
NEOPLASIA				
*Proposed Sequence of Topics Mentioned below. Medical Colleges are at liberty to manage according to their resources. Topics can switch within each Block				Total Hours = 1.5
Code	Domain	Topic	Specific Learning Objectives	Proposed Portfolio Entry

	Ethics	Cultural/religious views on Do Not Resuscitate	Explore the diverse cultural and religious perspectives on Do Not Resuscitate (DNR) orders and understand how these views influence end-of-life decisions in the context of neoplasia care.	Submit your hospital Protocol for Do-Not-Resuscitate.
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BLOCK-8

Sr.#	Code	Description of Skill
1	CFRC3-017	Joint injury history
2	CFRC3-018	Fracture history
3	CFRC3-019	Inspection of joints and fractures
4	CFRC3-020	Palpation for tenderness and deformities
5	CFRC3-021	Range of motion examination
6	CFRC3-056	Focused surgical history-taking (neck lump, trauma, abdominal pain etc)
7	CFRC3-057	Formulate a diagnosis from surgical complaints
8	CFRC3-060	Manage patients pre- and post- operatively
9	CFRC3-031	Inspection of precordium and JVP
10	CFRC3-032	Palpation (apex beat, peripheral pulses)
11	CFRC3-033	Auscultation (heart sounds, murmurs)
12	CFRC3-030	Palpitations history
13	CFRC3-028	Chest pain history
14	CFRC3-029	Dyspnea (shortness of breath) history
15	CFRC3-034	Rate, rhythm, axis interpretation
16	CFRC3-035	ST segment changes, T-wave abnormalities
17	CFRC3-036	Hypertension diagnosis
18	CFRC3-037	Heart failure diagnosis
19	CFRC3-038	Ischemic heart disease diagnosis
20	CFRC3-039	Cough and sputum production history
21	CFRC3-051	Patient-centered clinical decision-making

22	CFRC3-052	Provide evidence-based management for common primary care conditions
23	CFRC3-062	System-specific examinations 1. GIT 2. cardiovascular 3. respiratory endocrine

***EOR Assessment will be from these 23 skills at the end of Block 8**

Internal Assessment (Theory)			
Sr #	Scoring Parameter	Marks out of 20%	Marks distribution
1	Attendance in Lectures	85-90%=1%, > 90%=2%	85-90%= 01 mark > 90%= 02 marks
		Remedial classes – re-sit examination allowed only after case endorsed and submitted by the college Principal and approval given by the Competent Authority . However, no marks given	
		Remedial classes – re-sit exam allowed only in genuine cases after approval from Competent Authority . However, no marks given	
2	Block Examination	15%	27
3	Continuous Internal Assessment/Class Quiz/Class participation/ Professional Behaviour/ Ethical practices/ Leadership traits/ Module Exam Discipline/Punctuality	3%	06

Internal Assessment (Practical & Behavioral)			
Sr #	Scoring Parameter	Marks out of 20%	Marks distribution
1	Attendance in Practicals & Rotations	85-90%=1%, > 90%=2%	85-90%= 01 mark > 90%= 02 marks
		Remedial classes – re-sit examination allowed only after case endorsed and submitted by the college Principal and approval given by the Competent Authority . However, no marks given	
		Remedial classes – re-sit exam allowed only in genuine cases after approval from Competent Authority . However, no marks given	
2	Block Examination (OSPE/OSCE/OSVE)	13%	23
3	CFRC Log Book / PERLs Portfolio	02%	06
4	Ward / Clinical / Bedside assessment based on the clinical rotation / DOPS	02%	04

MBBS 3rd Professional

Block-8

Subject	Written Exam			Oral/Practical/Clinical Exam			
	MCQ (1 mark)	SEQ (5 mark each)	Marks	OSPE /OSCE (8 marks each observed)	OSCE (10 marks each observed)	OSVE (14 marks each observed)	Marks
Pharmacology	12	02	22	03	-	01	38
Pathology	30	05	55	04	-	02	60
Family Medicine	-	-	-	-	-	-	-
Community Medicine	04	-	04	-	-	-	-
Surgery	15	01	20	01	-	-	08
Medicine	15	01	20	01	-	-	08
Forensic	10	01	15	01	-	-	08
Behavioral	02	-	02	-	-	-	-
Patient Safety	02	-	02	-	-	-	-
CFRC	-	-	-	01	-	-	08
PERLs + Expository	-	-	-	-	01	-	10
Total	90	10x5=50	140	11 stations x 08 = 88	01 stations x 10 = 10	03 stations x 14=42	140





Sialkot Medical College

From : Block Organizer

To : Faculty Members

Subject : Clinical sciences departmental representatives as per HODs recommendations for academic collaboration for Modular Integrated System Year I, Year II, Year III MBBS Session 2024-25

Department	Faculty	Classes	Contact #
Medicine	Dr. Shiraz (Assistant Professor)	Year I, II, III	0321-6200355
Surgery	Dr. Asif Sajjad (Associate Professor)	Year I, II, III	0300-6138176
Pediatrics	Dr. Hira Javed (Senior registrar)	Year I, II, III	0331-5804390
Gynecology and Obstetrics	Dr. Fareeha Ali (Senior Registrar)	Year I, II, III	0300-6100477
Radiology	Dr. Asif Javed (Associate Professor)	Year I, II, III	0333-4473701
Orthopedics	Dr. Arsalan Arshad (Senior Registrar)	Year I, II, III	0333-8088137
Behavioral Sciences	Dr. Marukh Anser (Senior Registrar)	Year III	0333-1310667
	Miss Reeha Sarwar	Year I, II	0370-5957997
Cardiology	Dr. Ayesha Rafiq (PGR)	Year I, II, III	0333-8408343

Best Regards,

CC:

- The principal
- Chairperson Curriculum Committee
- Block Organizers
- Module Organizers
- HODs Basic Sciences
- HODs Clinical Sciences

Dr. Waqas Khalid
Block Organizer

Dr. Sadia Zaheer
Co-Chairperson Curriculum Committee



SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025



(WEEK-1)

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology

WEEK 1	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am – 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 07-07-25	Welcome Address Block/Module Organizer	SGD 01 Orthopedics	SDL	L1 MS2-Rh001 Introduction to Rheumatology Rheumatology / Medicine	L2 PERLS Medical Education	L3 ID-Pa- 001 Bacterial infectious agents I Microbiology	SDL	L4 N-Pa-001 Nomenclature benign and malignant tumours Pathology	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm
TUE 08-07-25	L5 CFRC 3- 028/030 Chest Pain/Palpitations history Cardiology	CLINICAL ROTATIONS/PRACTICALS Forensic - A Patho - B Orthopedics - C Rheumatology/Medicine - D			L6 MS2-Rh002 Rheumatoid Arthritis (RA) I Rheumatology / Medicine	L7 N-Pa-001 Characteristics benign and malignant tumours Pathology	L8 ID-Pa- 001 Bacterial infectious agents II Microbiology	SDL	SGD 01 A- Pharmacology B- Pathology A(01-50) B(51-Onwards)
WED 09-07-25	L9 MS2-Orth-001 Introduction to Orthopedics, Fracture Orthopedics	CLINICAL ROTATIONS/PRACTICALS Forensic - B Patho - C Orthopedics - D Rheumatology/Medicine - A			L10 N-Pa-002 Difference between carcinoma and sarcoma Pathology	L11 ID-Pa- 001 Bacterial infectious agents III Microbiology	L12 MS2-Ph001 MSK Drugs & Interventions Pharmacology	SDL	SGD 01 A- Pathology B- Pharmacology A(01-50) B(51-Onwards)
THU 10-07-25	L13 MS2-Orth009 Define ATLS and describe its relevance in trauma Surgical Traumatology	CLINICAL ROTATIONS/PRACTICALS Forensic - C Patho - D Orthopedics - A Rheumatology/Medicine - B			L14 N-Pa-002 Difference between carcinoma and sarcoma Pathology	L15 ID-Pa- 001 Bacterial infectious agents IV Microbiology	L16 STUDENT ACTIVITIES	SDL	LGD 01 General Concept Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35- 02:10pm
FRI 11-07-25	L17 N-M-001, N-Ra-001/002 Introduction, Role of Imaging, Imaging Radiology	CLINICAL ROTATIONS/PRACTICALS Forensic - D Patho - A Orthopedics - B Rheumatology/Medicine - C			L18 N-Pa-002 Carcinogenesis & Oncogenes Pathology	L19 ID-Pa- 001 Bacterial infectious agents V Microbiology	Mentoring Session Medical Education	JUMA'A PRAYER	Mentoring Session Education

Version 3

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)
N-Pa-008
For2-Tr- 026, 27, 28, 29
-

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

Orthopedics:
Rheumatology/Medicine:

Batch D(Roll# 76 onwards)
MS2-orth017
MS2-Rh011/012

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025



(WEEK-2)

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology

WEEK 2	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm		
MON 14-07-25	ASSESSMENT - 01 <i>(Module Organizer)</i>	SGD 01 Rheumatology / Medicine	SDL	L21 MS2-Orth-002 Fractures I <i>Orthopedics</i>	L22 PERLS <i>Medical Education</i>	L23 ID-Pa- 002 Parasitic infectious agents I <i>Microbiology</i>	SDL	L24 N-Pa-002 Tumor Suppressor Genes <i>Pathology</i>		
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm	
TUE 15-07-25	L25 CFRC 3- 038 Ischemic heart disease diagnosis <i>Cardiology</i>	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B Orthopedics - C General Medicine - D			L26 MS2-Orth-002 Classification & Healing, Fractures <i>Orthopedics</i>	L27 N-Pa-006 Apoptosis, Tumor Progression, Angiogenesis <i>Pathology</i>	L28 ID-Pa- 002 Parasitic infectious agents II <i>Microbiology</i>	SDL	SGD 02 A- Pharmacology B- Pathology A(01-50) B(51-Onwards)	
WED 16-07-25	L29 MS2-Rh003 Osteoarthritis (OA) I <i>Rheumatology / Medicine</i>	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C Orthopedics - D General Medicine - A			L30 N-Pa-006 Apoptosis, Tumor Progression, Angiogenesis <i>Pathology</i>	L31 N-Ph-001 Cell cycle I Introduction & Oncogenesis <i>Pharmacology</i>	L32 For2-Tr- 007 Incised/stab wounds <i>Forensics Medicine</i>	SDL	SGD 02 A- Pathology B- Pharmacology A(01-50) B(51-Onwards)	
THU 17-07-25	L33 N-Ra-003, N-Ra-004 Follow up & monitoring, Complications <i>Radiology</i>	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D Orthopedics - A General Medicine - B			L34 N-Pa-003 Chemical Carcinogenesis <i>Pathology</i>	L35 ID-Pa- 002 Parasitic infectious agents III <i>Microbiology</i>	L36 STUDENT ACTIVITIES	SDL	LGD 02 Fractures Forensics Medicine	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35- 02:10pm	02:10pm- 03:00pm
FRI 18-07-25	L37 MS2-Orth013 Traumatic Brain Injury (TBI) <i>Neurosurgery</i>	CLINICAL ROTA/PRACTICALS Forensic - D Patho - A Orthopedics - B General Medicine - C			L38 N-Pa-003 Viral Carcinogenesis <i>Pathology</i>	L39 ID-Pa- 002 Parasitic infectious agents IV <i>Microbiology</i>	Feedback Assessment - 01 <i>Module Organizer</i>	JUMA'A PRAYER	Feedback Assessment - 01 <i>Organizer</i>	L40 For2-Tr- 012 Torture <i>Forensics Medicine</i>

Version 2

Lab Pathology:

Lab Forensic Med:

Lab Pharma:

Batch A(Roll# 01-25)

N-Pa-008

For2-Tr- 030, 031, 032

-

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

Orthopedics:

General Medicine:

Batch D(Roll# 76 onwards)

MS2-Orth018

MS2-S009

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

(WEEK-3)

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology

WEEK 3	08:00am – 08:50am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 21-07-25	ASSESSMENT - 02 (Module Organizer)	SGD 02 Orthopedics	SDL	L41 N-Pa-004 IHC, Tumor Markers Pathology	L42 PERLS Medical Education	L43 ID-Pa- 003 Fungal infections I Microbiology	SDL	L44 N-B-001 Oncology / cancer Biochemistry	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm
TUE 22-07-25	L45 CFRC 3- 029 Dysipnea (shortness of breath) history Cardiology	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B Orthopedics - C General Surgery - D			L46 MS2-Rh003 Osteoarthritis (OA) II Rheumatology / Medicine	L47 N-Pa-005, N-Pa-007 Grading, Staging, Paraneoplastic Syndrome I Pathology	L48 ID-Pa- 003 Fungal infections II Microbiology	SDL	SGD 03 Pharmacology
WED 23-07-25	L49 MS2-Orth010-11 Introduction to Trauma Management & ATLS Surgical Traumatology	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C Orthopedics - D General Surgery - A			L50 N-Pa-005, N-Pa-007 Grading, Staging, Paraneoplastic Syndrome II Pathology	L51 ID-Pa- 003 Fungal infections III Microbiology	L52 For2-Tr- 019 Regional Injuries Forensics Medicine	SDL	SGD 03 Pathology
THU 24-07-25	L53 MS2-Orth-002/004 Fractures II Orthopedics	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D Orthopedics - A General Surgery - B			L54 MS2-Pa001 MSK Diseases & Tumors Pathology	L55 ID-Pa- 004 Viral infectious agents I Microbiology	L56 STUDENT ACTIVITIES	SDL	LGD 03 Pathophysiology of injuries Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35-02:10pm 02:10pm- 03:00pm
FRI 25-07-25	L57 MS2-Orth014 Neck and Spine Trauma Neurosurgery	CLINICAL ROTATIONS/PRACTICALS Forensic - D Patho - A Orthopedics - B General Surgery - C			L58 MS2-Pa001 MSK Diseases & Tumors II Pathology	L59 ID-Pa- 004 Viral infectious agents II Microbiology	Feedback Assessment - 02 Module Organizer	JUMA'A PRAYER	Feedback Assessment - 02 Module Organizer

Version 0

Lab Pathology:

Lab Foresnsic Med:

Lab Pharma:

Batch A(Roll# 01-25)

N-Pa-009

For2-Tr- 033

-

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

Orthopedics:

General Surgery:

Batch D(Roll# 76 onwards)

MS2-Orth019/020

MS2-S001

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SLALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

(WEEK-4)

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology

WEEK 4	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am – 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm
MON 28-07-25	ASSESSMENT - 03 (Module Organizer)	SGD 02 Rheumatology / Medicine	SDL	L61 MS2-Pa001 MSK Diseases & Tumors III Pathology	L62 PERLS Medical Education	L63 ID-Pa- 004 Viral infectious agents III Microbiology	SDL	L64 N-S-001 Principles of oncologic surgery Surgery
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm
TUE 29-07-25	L65 CFRC 3- 034/35 Rate, rhythm, axis interpretation/ ECG abnormalities Cardiology	CLINICAL ROTA/PRACTICALS Forensic - A Pharma - B Orthopedics - C Rheumatology/Medicine - D			L66 MS2-Orth015 Maxillofacial Trauma I Maxillofacial Surgical Traumatology	L67 MS2-Pa001 MSK Diseases & Tumors IV Pathology	L68 ID-Pa- 005 Microorganisms producing CNS infections I Microbiology	SDL
WED 30-07-25	L69 MS2-Rh004 Crystal Arthritis (Gout/Pseudo gout) I Rheumatology / Medicine	CLINICAL ROTA/PRACTICALS Forensic - B Pharma- C Orthopedics - D Rheumatology/Medicine - A			L70 MS2-Pa001 MSK Diseases & Tumors V Pathology	L71 ID-Pa- 005 Microorganisms producing CNS infections II Microbiology	L72 MS2-Ph001 MSK Drugs & Interventions Pharmacology	SDL
THU 31-07-25	L73 MS2-Orth-002 Fractures III Orthopedics	CLINICAL ROTA/PRACTICALS Forensic - C Pharma - D Orthopedics - A Rheumatology/Medicine - B			L74 MS2-Rh005 Systemic Inflammatory Vasculitis I Pathology	L75 ID-Pa- 005 Microorganisms producing CNS infections III Microbiology	L76 STUDENT ACTIVITIES	SDL
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm
FRI 01-08-25	L77 MS2-Orth011, 012 Primary Survey and ATLS, Shock Recognition and Management Surgical Traumatology	CLINICAL ROTA/PRACTICALS Forensic - D Pharma - A Orthopedics - B Rheumatology/Medicine - C			L78 MS2-Pa001 MSK Diseases & Tumors VI Pathology	L79 ID-Pa- 005 Microorganisms producing CNS infections IV Microbiology	Feedback Assessment - 03 Module Organizer	JUMA'A PRAYER
							01:35- 02:10pm	02:10pm- 03:00pm
							Feedback	L80
							Assessment - 03 Module Organizer	For2-Tr- 013 Medicolegal Certification of injury Forensics Medicine

Version 0

Batch A(Roll# 01-25)

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

Batch D(Roll# 76 onwards)

Lab Pathology:

Lab Forensic Med:

Lab Pharma:

For2-Tr- 034/035/036/037

MS2-Ph002

Orthopedics:

Rheumatology/Medicine:

MS2-Orth021

MS2-Rh013

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

(WEEK-5)

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology

WEEK 5	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 04-08-25	ASSESSMENT - 04 (Module Organizer)	SGD 03 Orthopedics	SDL	L81 ID-Pa- 005 Microorganisms ms producing CNS Microbiology	L82 PERLS Medical Education	L83 ID-S- 001 Skin infections Surgery	SDL	L84 MS2-CM001 Epidemiology & Prevention I Community Medicine	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	02:00pm	02:00pm – 03:00pm
TUE 05-08-25	L85 CFRC 3- 036 Hypertension diagnosis Cardiology	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B General Surgery - C Rheumatology/Medicine - D			L86 MS2-Rh004 Crystal Arthritis (Gout/Pseudo gout) II Rheumatology / Medicine	L87 MS2-Rh005 Systemic Inflammatory Vasculitis II Pathology	L88 ID-Pa- 005 Microorganisms producing CNS Microbiology	SDL	SGD 05 Pharmacology
WED 06-08-25	L89 MS2-Orth-002 Fractures IV Orthopedics	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C General Surgery- D Rheumatology/Medicine - A			L90 ID-Pe- 001 CNS Pediatrics Medicine	L91 MS2-Ph001 Pharmacologic Management in Pharmacology	L92 For2-Tr-016, 017 Terminal Ballistics, Gun powders Forensics Medicine	SDL	SGD 05 Pathology
THU 07-08-25	L93 MS2-Orth015 Maxillofacial Trauma II Maxillofacial Surgical Traumatology	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D General Surgery- A Rheumatology/Medicine - B			L94 MS2-Rh005 Autoimmune Rheumatic Diseases I Pathology	L95 ID-Pa- 006 Microorganisms producing GIT Microbiology	L96 0 STUDENT ACTIVITIES 0	SDL	LGD 05 Ewing's postulates/Battered Baby Syndrome Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35-02:10pm 02:10pm- 03:00pm
FRI 08-08-25	L97 MS2-Rh004 Crystal Arthritis (Gout/Pseudo gout) III Rheumatology / Medicine	CLINICAL ROTATIONS/PRACTICALS Forensic - D Patho - A General Surgery - B Rheumatology/Medicine - C			L98 ID-Pa- 006 Microorganisms producing GIT Microbiology	L99 N-Ph-001 Cell cycle II Anticancer Chemotherapy Pharmacology	Feedback Assessment - 04 Module Organizer	JUMA'A PRAYER Assessment - 04 Module Organizer	L100 For2-Tr- 021 Thermal Injuries / Burn Forensics Medicine

Version 0

Lab Pathology: MS2-Pa003
Lab Forensic Med: For2-Tr- 038
Lab Pharma:

General Surgery: MS2-S001
Rheumatology/Medicine: MS2-Rh013

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-6)

WEEK 6	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55am	12:55pm- 01:45	01:45pm – 02:10pm	02:10pm – 03:00pm		
MON 11-08-25	ASSESSMENT - 05	CLINICAL ROTA/PRACTICALS		L101	L102	L103	SDL	L104		
	(Module Organizer)	Forensic - A Pharma - B General Surgery - C Rheumatology/Medicine - D		ID-Pa- 006 Microorganisms producing GIT infections Microbiology	PERLS Medical Education	ID-S- 002 GIT Surgery		MS2-CM001 Epidemiology & Prevention II Community Medicine		
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm	
TUE 12-08-25	L105	CLINICAL ROTA/PRACTICALS			L106	L107	L108	SDL	SGD 06	
	CFRC 3- 037 Heart failure Diagnosis Cardiology	Forensic - B Pharma - C General Surgery- D Rheumatology/Medicine - A			MS2-Orth-002/006 Fractures V Orthopedics	MS2-Rh006 Autoimmune Rheumatic Diseases II Pathology	ID-Pa- 006 Microorganisms producing GIT Microbiology		Pharmacology	
WED 13-08-25	L109	CLINICAL ROTA/PRACTICALS			L110	L111	L112	SDL	SGD 06	
	MS2-Orth015 Maxillofacial Trauma III Maxillofacial Surgical Traumatology	Forensic - C Pharma - D General Surgery- A Rheumatology/Medicine - B			ID-Pa- 006 Microorganisms producing GIT Microbiology	N-Ph-001 Cell cycle III Specific Antitumor Agents I Pharmacology	MS2-CM001 Epidemiology & Prevention III Community Medicine		Pathology	
THU 14-08-25	Independence Day									
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35- 02:10pm	02:10pm- 03:00pm
FRI 15-08-25	L113	CLINICAL ROTA/PRACTICALS			L114	L115	Feedback	JUMA'A PRAYER	Feedback	L116
	MS2-Rh007 Integrated EBM I Rheumatology / Medicine	Forensic - D Pharma - A General Surgery - B Rheumatology/Medicine - C			ID-Pa- 006 Microorganisms producing GIT Microbiology	N-Ph-001 Cell cycle IV Specific Antitumor Agents II Pharmacology	Assessment - 05 Module Organizer		Assessment - 05 Organizer	MS2-Orth-003/007 Pediatric Fractures Orthopedics

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)
MS2-Ph002
For2-Tr- 039

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

General Surgery:
Rheumatology/Medicine:

Batch D(Roll# 76 onwards)
MS2-M001/MS2-Orth026/MS2-M002
MS2-PS001

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ACADEMIC COORDINATOR

Prof. Dr. Muhammad Sabir
PRINCIPAL



SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-7)

WEEK 7	08:00am – 09:25am	09:25am – 11:15am		11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm		
MON 18-08-25	ASSESSMENT - 06 (Module Organizer)	SGD 03 Rheumatology/Medicine	SDL	L117 ID-Pa- 006 Microorganisms ms producing GIT infections Microbiology	L118 Cell cycle v non- Specific Antitumor Agents Pharmacology	L119 For2-Tr- 023, 024 type1 / hypomethylation Starvation, Chemical Burns Forensics Medicine	SDL	L120 ID-Pa- 006 Microorganisms producing GIT infections VIII Microbiology		
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm	
TUE 19-08-25	L121 PERLS Medical Education	CLINICAL ROTATIONS/PRACTICALS Forensic - A Patho - B Orthopedics - C Medicine - D			L122 N-CM-001 Screening/Prevention Community Medicine	L123 ID-Pa- 013 CNS Internal Medicine	L124 CFRC 3- 039/51 Cough and sputam production Medicine	SDL	SGD 07 Pharmacology	
WED 20-08-25	L125 ID-Pa- 006 Microorganisms producing GIT infections IX Microbiology	CLINICAL ROTATIONS/PRACTICALS Forensic - B Patho - C Orthopedics - D Medicine - A			L126 N-Ph-002 Cell Cycle specific and non-specific anti-tumour Pharmacology	L127 MS2-BhS001 Psychosocial Impact & Patient Counseling I Behavioral Sciences	L128 MS2-Orth015 Maxillofacial Trauma IV Maxillofacial Surgical Traumatology	SDL	SGD 07 Pathology	
THU 21-08-25	L129 ID-Pa- 006 Microorganisms producing GIT infections X Microbiology	CLINICAL ROTATIONS/PRACTICALS Forensic - C Patho - D Orthopedics - A Medicine - B			L130 ID-Ph- 010 GIT infections Internal Medicine	L131 ID-Pe- 002, 003 GIT, RIT Pediatrics Medicine	L132 STUDENT ACTIVITIES	SDL	LGD 06 Internal Ballistics/External Ballistics Forensics Medicine	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35-02:10pm 02:10pm- 03:00pm	
FRI 22-08-25	L133 MS2-Rh007 Integrated EBM II Rheumatology / Medicine	CLINICAL ROTATIONS/PRACTICALS Forensic - D Patho - A Orthopedics - B Medicine - C			L134 ID-Pa- 007 Sexually transmitted infections I Microbiology	L135 N-Ph-002 Hormonal & Misc Anticancer Drugs Pharmacology	Feedback Assessment - 06 Module Organizer	JUMA'A PRAYER	Feedback Assessment - 06 Module Organizer	L136 For2-Tr- 022 Electrocution,Lightening Forensics Medicine

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)

ID-Pa-011
For2-Tr- 040/041

Batch B(Roll# 26-51)

ID-Pa-011
For2-Tr- 040/041

Batch C(Roll# 52-76)

Orthopedics:
Medicine:

Batch D(Roll# 76 onwards)

MS2-Orth022/023/024/025
CFRC 3-062

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-8)

WEEK 8	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 25-08-25	ASSESSMENT - 07 (Module Organizer)	SGD 04 Orthopedics	SDL	L137 ID-Pa- 007 Sexually transmitted infections II <i>Microbiology</i>	L138 ID-GO- 001 Sexually transmitted infections <i>Gynaecology</i>	L139 0 PERLS <i>Medical Education</i>	SDL	L140 ID-CM- 001, ID-CM- 002 Tuberculosis, Hepatitis <i>Community Medicine</i>	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm
TUE 26-08-25	L141 CFRC 3- 052 Provide evidence based management for common primary care conditions <i>Medicine</i>	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B Orthopedics - C Internal Medicine - D			L142 MS2-Orth-008 Bone and Joint Disorders I <i>Orthopedics</i>	L143 ID-Pa- 007 Sexually transmitted infections III <i>Microbiology</i>	L144 ID-GO- 002 Genital tract <i>Gynaecology</i>	SDL	SGD 08 Pharmacology
WED 27-08-25	L145 MS2-Rh007 Integrated EBM III <i>Rheumatology / Medicine</i>	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C Orthopedics - D Internal Medicine - A			L146 ID-Ph- 001 Cell Wall Inhibitors I <i>Pharmacology</i>	L147 ID-CM- 003, ID-CM- 004 Polio, Measles, Mumps, Rubella <i>Community Medicine</i>	L148 For2- Se-001, 002 Impotency frigidity and sterility, Virginity and defloration <i>Forensics Medicine</i>	SDL	SGD 08 Pathology
THU 28-08-25	L149 MS2-Orth-008 Bone and Joint Disorders II <i>Orthopedics</i>	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D Orthopedics - A Internal Medicine - B			L150 ID-Pa- 008 Zoonotic Infection <i>Microbiology</i>	L151 ID-Ph- 001 Cell Wall Inhibitors II <i>Pharmacology</i>	L152 0 STUDENT ACTIVITIES 0	SDL	LGD 07 Blast Injuries Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35-02:10pm 02:10pm- 03:00pm
FRI 29-08-25	L153 ID-Ph- 001 Cell Wall Inhibitors iii <i>Pharmacology</i>	CLINICAL ROTA/PRACTICALS Forensic - D Patho - A Orthopedics - B Internal Medicine - C			L154 ID-Pa- 009 Infection prevention & control I <i>Microbiology</i>	L155 ID-CM- 005 EPI <i>Community Medicine</i>	Feedback Assessment - 07 <i>Module Organizer</i>	JUMA'A PRAYER Assessment - 07 <i>Module Organizer</i>	L156 For2- Se-003, 004 Pregnancy, Delivery <i>Forensics Medicine</i>

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)
ID-Pa- 012/015
For2-Tr- 042

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

Orthopedics:
Internal Medicine:

Batch D(Roll# 76 onwards)
CFRC3-017/019/020/021
ID-M-001/002/003

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Mr Abdul Nafeh
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ACADEMIC COORDINATOR

Prof. Dr. Muhammad Sabir
PRINCIPAL



SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-9)

WEEK 9	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm
MON 01-09-25	ASSESSMENT - 08 <i>(Module Organizer)</i>	SGD 04 Rheumatology/Medicine	SDL	L157 ID-Pa- 009 Infection prevention & control II <i>Microbiology</i>	L158 MS2-Orth017 Integrated EBM IV <i>Rheumatology / Medicine</i>	L159 ID-Ph- 002 Protein Synthesis Inhibitors I <i>Pharmacology</i>	SDL	L160 N-M-005 Paraneoplastic syndrome <i>Medicine/ Oncology</i>
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm 02:00pm – 03:00pm
TUE 02-09-25	L161 CFRC3-018 Fracture Histoty <i>Orthopedics</i>	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B General Surgery - C Internal Medicine - D			L162 ID-Ph- 002 Protein Synthesis Inhibitors II <i>Pharmacology</i>	L163 ID-Pa- 009 Infection prevention & control III <i>Microbiology</i>	L164 MS2-BhS001 Psychosocial Impact & Patient Counseling II <i>Behavioral Sciences</i>	SDL SGD 09 Pharmacology
WED 03-09-25	L165 MS2-Orth017 Integrated EBM V <i>Rheumatology / Medicine</i>	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C General Surgery - D Internal Medicine - A			L166 ID-Pa- 009 Infection prevention & control IV <i>Microbiology</i>	L167 ID-CM- 006, ID-CM- 007 Diphtheria, Tetanus <i>Community Medicine</i>	L168 For2-Tr- 007 Incised/stab wounds <i>Forensics Medicine</i>	SDL SGD 09 Pathology
THU 04-09-25	L169 ID-Pa- 009 Infection prevention & control V <i>Microbiology</i>	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D General Surgery - A Internal Medicine - B			L170 MS2-BhS001 Psychosocial Impact & Patient Counseling III <i>Behavioral Sciences</i>	L171 ID-Ph- 002 Protein Synthesis Inhibitors III (F) <i>Pharmacology</i>	L172 STUDENT ACTIVITIES PRAYER BREAK	LGD 08 Drowning Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm 01:35-02:10pm 02:10pm- 03:00pm
FRI 05-09-25	L173 ID-Pa- 009 Infection prevention & control VI <i>Microbiology</i>	CLINICAL ROTA/PRACTICALS Forensic - D Patho - A General Surgery - B Internal Medicine - C			L174 ID-Ph- 002 Protein Synthesis Inhibitors IV (A) <i>Pharmacology</i>	L175 ID-Pa- 010 Bio-risk management (BRM I) <i>Microbiology</i>	Feedback Assessment - 08 <i>Module Organizer</i>	Feedback Assessment - 08 <i>Module Organizer</i> L176 For2- Se-006 Sexual Offences I <i>Forensics Medicine</i>

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)
MS2-Pa002
For2-Se- 008

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

General Surgery:
Internal Medicine:

Batch D(Roll# 76 onwards)
MS2-S002/003/004/005
ID-M-005/006/007

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SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-10)



WEEK 10	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 08-09-25	ASSESSMENT - 09 (Module Organizer)	SGD 05 Orthopedics	SDL	L177 ID-Pa- 010 Bio-risk management (BRM) II Microbiology	L178 0 PERLS Medical Education	L179 N-M-003, N-M-004 Risk factors, Investigation Medicine/ Oncology	SDL	L180 ID-Ph- 002 Protein Synthesis Inhibitors V (Fq) Pharmacology	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm
TUE 09-09-25	L181 CFRC 3-060 Manage patients Pre- and post- operetively Surgery	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B General Surgery - C Cardiology - D			L182 ID-Pa- 010 Bio-risk management (BRM) III Microbiology	L183 N-BhS-001 Psychosocial aspect of oncology / cancer Behavioral Sciences	L184 N-M-006 Therapeutics Medicine/ Oncology	SDL	SGD 10 Pharmacology
WED 10-09-25	L185 ID-Ph- 003 Antituberculosis Therapy (ATT) Pharmacology	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C General Surgery - D Cardiology - A			L186 N-M-002 Presenting problems Medicine/ Oncology	L187 ID-Pa- 010 Bio-risk management (BRM) IV Microbiology	L188 MS2-Ph001 MSK Drugs & Interventions Pharmacology	SDL	SGD 10 Pathology
THU 11-09-25	L189 MS2-Orth-005 Osteoporotic Fractures, Pathological Fractures Orthopedics	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D General Surgery - A Cardiology - B			L190 ID-Ph- 011 Respiratory tract infections Internal Medicine	L191 ID-Ph- 007 Antifungal Drugs & Classification Pharmacology	L192 STUDENT ACTIVITIES	SDL	LGD 09 Infanticide Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35- 02:10pm
FRI 12-09-25	L193 ID-Ph- 008 Antiviral Agents Pharmacology	CLINICAL ROTA/PRACTICALS Forensic - D Patho - A General Surgery - B Cardiology - C			L194 ID-Pa- 009, ID-Ph- 009 Pyrexia of unknown origin Internal Medicine	L195 ID-Ph- 004, ID-Ph- 005 Drugs used in Leprosy, Antiprotozoal Drugs Pharmacology	Feedback Assessment - 09 Module Organizer	JUMA'A PRAYER	Feedback Assessment - 09 Organizer

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)

ID-Pa-014
Revision

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

General Surgery:
Cardiology:

Batch D(Roll# 76 onwards)

CFRC 3-056/057
CFRC 3- 031/032/033

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ACADEMIC COORDINATOR

Prof. Dr. Muhammad Sabir
PRINCIPAL



SIALKOT MEDICAL COLLEGE

BLOCK 8 - YEAR - III MBBS WEEKLY SCHEDULE 2025

Modules: MSK-II / Neoplasia / Infectious diseases / Forensic Medicine & Toxicology (WEEK-11)



WEEK 11	08:00am – 09:25am	09:25am – 10:50am	10:50am – 11:15am	11:15am - 12:05Pm	12:05Pm – 12:55pm	12:55pm- 01:45pm	01:45pm – 02:10pm	02:10pm – 03:00pm	
MON 15-09-25	ASSESSMENT - 10 (Module Organizer)	SGD 06 Orthopedics	SDL SDL	L197 SDL Microbiology	L198 SDL Medical Education	L199 SDL Medicine/ Oncology	SDL SDL	L200 SDL Pharmacology	
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:35pm	01:35pm - 02:00pm	02:00pm – 03:00pm
TUE 16-09-25	L201 SDL Surgery	CLINICAL ROTA/PRACTICALS Forensic - A Patho - B General Surgery - C Cardiology - D			L202 SDL Microbiology	L203 SDL Behavioral Sciences	L204 SDL Medicine/ Oncology	SDL SDL	SGD 11 A- Pharmacology B- Pathology
WED 17-09-25	L205 SDL Pharmacology	CLINICAL ROTA/PRACTICALS Forensic - B Patho - C General Surgery - D Cardiology - A			L206 SDL Medicine/ Oncology	L207 SDL Microbiology	L208 SDL Pharmacology	SDL SDL	SGD 11 A- Pathology B- Pharmacology
THU 18-09-25	L209 SDL Orthopedics	CLINICAL ROTA/PRACTICALS Forensic - C Patho - D General Surgery - A Cardiology - B			L210 SDL Internal Medicine	L211 SDL Pharmacology	L212 STUDENT ACTIVITIES	SDL SDL	LGD 10 SDL Forensics Medicine
	08:00am – 08:50am	08:50am –11:05am			11:05am – 11:55am	11:55am – 12:45pm	12:45pm – 01:05pm	01:05pm- 01:35pm	01:35- 02:10pm
FRI 19-09-25	L213 SDL Pharmacology	CLINICAL ROTA/PRACTICALS Forensic - D Patho - A General Surgery - B Cardiology - C			L214 SDL Internal Medicine	L215 SDL Pharmacology	Feedback Assessment - 10 Module Organizer	JUMA'A PRAYER Assessment - 10 Organizer	L216 SDL Forensics Medicine

Version 0

Lab Pathology:
Lab Forensic Med:
Lab Pharma:

Batch A(Roll# 01-25)

Revision
Revision

Batch B(Roll# 26-51)

Batch C(Roll# 52-76)

General Surgery:
Cardiology:

Batch D(Roll# 76 onwards)

Revision
Revision

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