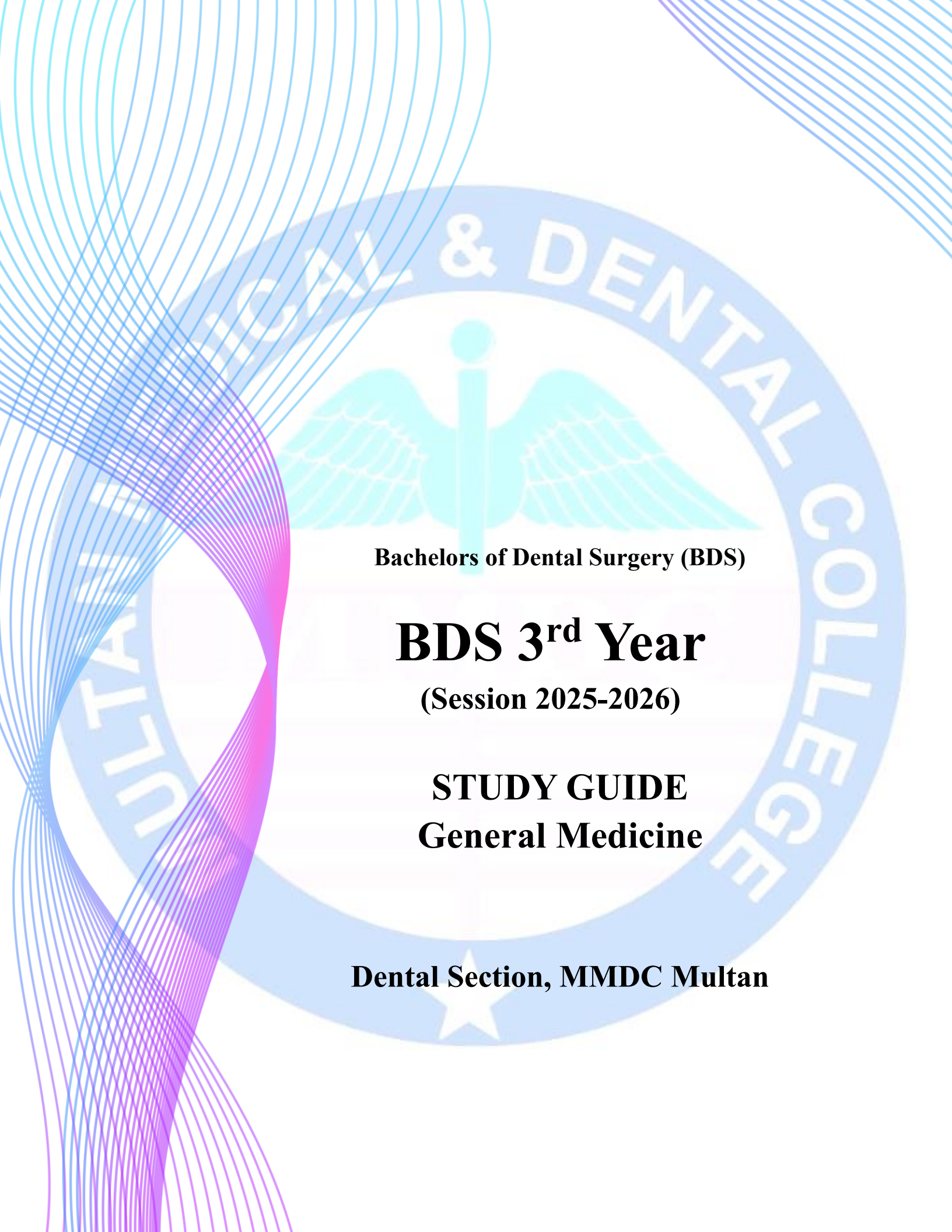




Bachelors of Dental Surgery (BDS)

BDS 3rd Year

(Session 2025-2026)

STUDY GUIDE
General Medicine

Dental Section, MMDC Multan

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MISSION AND VISION OF UHS

Vision Statement:

UHS is a leading university aiming to keep its graduates apt with the ever-emerging global health challenges, evolving educational methodologies and emerging technological advancements to maintain its distinguishable position as a medical university.

Mission Statement:

UHS shall continue to strive for producing a human resource par at excellence to cater for the health needs of the people of Punjab and Pakistan.

MISSION AND VISION OF MMDC

(Dental Section) MMDC Vision

To be a leading dental institution in South Punjab, recognized for excellence in education, research, and healthcare services, while developing competent and compassionate healthcare professionals and addressing health disparities through research and community-focused initiatives.

(Dental Section) MMDC Mission

To produce professionally competent and ethical dental graduates equipped with knowledge, clinical skills and technological competence to address emerging global health challenges through research, innovative educational approaches and lifelong learning.



PROGRAM OUTCOME

The students of Bachelor of Dental Surgery (BDS) of MMDC at the end of the program will be able to:

- Dental Graduates will apply the knowledge, skills and technological competencies to practice dentistry in primary care setting and provide comprehensive patient care.
- The graduates will promote dental health care within the community, utilizing the latest research, critical thinking and making evidence informed decisions and apply relevant evidence to address emerging oral and global health challenges.
- Dental graduates will uphold professional values and demonstrate emotional intelligence, social responsibility, and engage in lifelong learning, leadership, and innovation.



LIST OF ABBREVIATION

Abbreviation	Full Form
BDS	Bachelor of Dental Surgery
UHS	University of Health Sciences
MMDC	Multan Medical & Dental College
MIT	Mode of Information Transfer
AT	Assessment Tool
T&L	Teaching and Learning
OPD	Out-Patient Department
CPR	Cardiopulmonary Resuscitation
BLS	Basic Life Support
ALS	Advanced Life Support
ECG	Electrocardiogram
GIT	Gastrointestinal Tract
CNS	Central Nervous System
UMN	Upper Motor Neuron
LMN	Lower Motor Neuron
OSCE	Objective Structured Clinical Examination
OSPE	Objective Structured Practical Examination
OSVE	Objective Structured Video Examination
LGIS	Large Group Interactive Session



RATIONALE FOR MEDICINE STUDY GUIDE

- Medicine introduces BDS students to the aetiology, pathogenesis, clinical presentation, investigation, and management of disease across the major body systems, building the medical foundation a dental surgeon needs to practice safely.
- Since many patients presenting for dental treatment have underlying or undiagnosed systemic disease, students must be able to elicit a thorough medical history and perform a meticulous general and systemic clinical examination before undertaking any dental procedure.
- Special emphasis is placed on the oral manifestations and clinical significance of systemic disease, since the mouth is often where the first signs of conditions such as anaemia, diabetes, liver disease, or bleeding disorders become apparent — making the dentist an important point of early detection.
- Understanding the potential complications of treating medically compromised patients — cardiac disease requiring antibiotic prophylaxis, bleeding disorders affecting extraction and surgery, renal or hepatic impairment affecting drug prescribing — is essential to preventing harm during routine dental care.
- Knowledge of cardiovascular, respiratory, and neurological disease equips students to recognise and respond to medical emergencies that can arise in the dental chair, including chest pain, respiratory distress, seizures, and facial paralysis.
- Study of infectious, haematological, gastrointestinal, hepatic, renal, and endocrine disease gives students a broad clinical vocabulary for interpreting a patient's overall health status and its bearing on dental treatment planning.
- Clinical exposure through rotations in general medicine OPD, wards, and emergency allows students to correlate classroom knowledge with real patient presentations, reinforcing safe, evidence-based clinical judgement.
- Overall, the subject bridges general medical knowledge with dental practice, ensuring graduates can treat the whole patient — not just the oral cavity — and can identify when referral or specialist medical input is needed.





ACADEMIC SCHEDULE OF BDS 3RD YEAR

Class Commencement	27 April 2026
1 st Term Examination	31 August – 11 September
2 nd Term Examination	6 November – 14 November
Send – Up	22 February 2024



TIME TABLE



DENTAL SECTION, MULTAN MEDICAL & DENTAL COLLEGE, MULTAN

Time Table For 3rd Year BDS (Session 2026)

Day / Time	08:30-09:30	09:30-10:20	10:20-11:10	11:10-12:00	12:00-12:50	12:50-01:20	01:20-02:10	02:10-03:00
Monday	Test	Test	Interactive Lecture Surgery / CBL Surgery	Clinical	Clinical	Lunch & Namaz Break	Interactive Lecture Oral Pathology	Practical Oral Pathology
Tuesday	Interactive Lecture Medicine	Interactive Lecture Oral Pathology	Clinical	Clinical	Clinical	Lunch & Namaz Break	Interactive Lecture Surgery	Interactive Lecture Oral Medicine
Wednesday	Interactive Lecture Surgery	Interactive Lecture Medicine / CBL Medicine	Clinical	Clinical	Pre-Clinical Operative Dentistry / Oral Surgery	Lunch & Namaz Break	Interactive Lecture Periodontology	Interactive Lecture Oral Pathology
Thursday	Interactive Lecture Periodontology / CBL Periodontology	Interactive Lecture Medicine	Clinical	Clinical	Pre-Clinical Operative Dentistry / Prosthodontics	Lunch & Namaz Break	Interactive Lecture Oral Medicine	Interactive Lecture Research
Friday	Test	Interactive Lecture Oral Pathology	Clinical	Clinical	Pre-Clinical Operative Dentistry	Lunch & Namaz Break	Interactive Lecture ICT	Interactive Lecture Behavioral Sciences



COURSE SEQUENCE - MEDICINE

Day	Date	Time	Academic Activity	Learning Objectives	Facilitator Name
Monday	27/4/2026	09:30-10:20	Lecture Medicine	Evaluation of Chest Pain Ischemic Heart Diseases. Stable Angina.	Dr. Sadaat Khan Khakwani
Tuesday	28/4/2026	8:30-09:30	Lecture Medicine	ACS (Unstable Angina / MI)	Dr. Sadaat Khan Khakwani
Wednesday	29/4/2026	09:30-10:20	Lecture Medicine	Rheumatic Fever	Dr. Umar Farooq
Thursday	30/4/2026	09:30-10:20	Lecture Medicine	Rheumatic Heart Diseases	Dr. Sadaat Khan Khakwani
1ST MAY Labour Day					
Tuesday	5/5/2026	8:30-09:30	Lecture Medicine	Aortic Valve Diseases (AS / AR)	Dr. Sadaat Khan Khakwani
Wednesday	6/5/2026	09:30-10:20	Lecture Medicine	Congenital Heart Disease (ASD / VSD)	Dr. Sadaat Khan Khakwani
Thursday	7/5/2026	09:30-10:20	Lecture Medicine	(HTN)	Dr. Sadaat Khan Khakwani
Monday	11/5/2026	08:30-09:30	Test Medicine		
Monday	11/5/2026	09:30-10:20	Test Medicine		
Tuesday	12/5/2026	8:30-09:30	Lecture Medicine	Atrial Fibrillation	Dr. Sadaat Khan Khakwani
Wednesday	13/5/2026	09:30-10:20	Lecture Medicine	Infective Endocarditis	Dr. Sadaat Khan Khakwani
Thursday	14/5/2026	09:30-10:20	Lecture Medicine	Overview of Anticoagulation	Dr. Sadaat Khan Khakwani
Tuesday	19/5/2026	8:30-09:30	Lecture Medicine	BLS (Basic Life Support)	Dr. Sadaat Khan Khakwani



Wednesday	20/5/2026	09:30-10:20	Lecture Medicine	Bronchial Asthma	Dr. Imran Ch.
Thursday	21/5/2026	09:30-10:20	Lecture Medicine	COPD	Dr. Kashif Sardar
25th May-29th May 2026 Eid ul Azha Holidays					
Tuesday	2/6/2026	8:30-09:30	Lecture Medicine	Pneumonia	Dr. Imran Ch.
Wednesday	3/6/2026	09:30-10:20	Lecture Medicine	ARDS	Dr. Imran Ch.
Thursday	4/6/2026	09:30-10:20	Lecture Medicine	Pulmonary TB	Dr. Kashif Sardar
Monday	8/6/2026	08:30-09:30	Test Medicine		
Monday	8/6/2026	09:30-10:20	Test Medicine		
Tuesday	9/6/2026	8:30-09:30	Lecture Medicine	Pulmonary Embolism	Dr. Kashif Sardar
Wednesday	10/6/2026	09:30-10:20	Lecture Medicine	Evaluation of pleural Effusion	Dr. Imran Ch.
Thursday	11/6/2026	09:30-10:20	Lecture Medicine	AC. Glomerulonephritis/Interstitial Nephritis	Dr. Nadeem Ansari
15th June -12 July 2026 Summer Vacations					
Tuesday	14/7/2026	8:30-09:30	Lecture Medicine	Pneumonia	Dr. Imran Ch.
Wednesday	15/7/2026	09:30-10:20	Lecture Medicine	ARDS	Dr. Imran Ch.
Thursday	16/7/2026	09:30-10:20	Lecture Medicine	Pulmonary TB	Dr. Kashif Sardar
Monday	20/7/2026	08:30-09:30	Test Medicine		
Monday	20/7/2026	09:30-10:20	Test Medicine		
Tuesday	21/7/2026	8:30-09:30	Lecture Medicine	Pulmonary Embolism	Dr. Kashif Sardar
Wednesday	22/7/2026	09:30-10:20	Lecture Medicine	Evaluation of pleural Effusion	Dr. Imran Ch.
Thursday	23/7/2026	09:30-10:20	Lecture Medicine	AC. Glomerulonephritis/Interstitial Nephritis	Dr. Nadeem Ansari
Tuesday	28/7/2026	8:30-09:30	Lecture Medicine	Pulmonary Embolism	Dr. Kashif Sardar



Wednesday	29/7/2026	09:30-10:20	Lecture Medicine	Chronic Kidney	Dr. Nadeem Ansari
Thursday	30/7/2026	09:30-10:20	Lecture Medicine	UTI/Pyelonephritis	Dr. Nadeem Ansari
Monday	3/8/2026	09:30-10:20	Test Medicine		
Tuesday	4/8/2026	8:30-09:30	Lecture Medicine	Acute Hepatitis	Dr. Naveed Aslam
Wednesday	5/8/2026	09:30-10:20	CBL Medicine	CH. Hepatitis (Hep B + Hep C)	Dr. Naveed Aslam
Thursday	6/8/2026	09:30-10:20	Lecture Medicine	Alcoholic Liver Diseases	Dr. Umair Khan Sherwani
Tuesday	11/8/2026	8:30-09:30	Lecture Medicine	Hepatocellular Carcinoma	Dr. Umair Khan Sherwani
Wednesday	12/8/2026	09:30-10:20	CBL Medicine	Liver Abscess	Dr. Umair Khan Sherwani
Thursday	13/8/2026	09:30-10:20	Lecture Medicine	Hepatic Encephalopathy	Dr. Naveed Aslam
Friday 14th August 2026					
Monday	17/8/2026	09:30-10:20	Test Medicine		
Tuesday	18/8/2026	8:30-09:30	Lecture Medicine	Ascites Evaluation	Dr. Naveed Aslam
Wednesday	19/8/2026	09:30-10:20	Lecture Medicine	H. Pylori Infection / Peptic Ulcer Diseases	Dr. Umair Khan Sherwani
Thursday	20/8/2026	09:30-10:20	Lecture Medicine	Esophagitis / GERD, IBD / Ch. Diarrhoea	Dr. Umair Khan Sherwani
Tuesday	25/8/2026	8:30-09:30	Lecture Medicine	Celia's Diseases	Dr. Naveed Aslam
Wednesday 26th August 2026 Eid Milad un Nabi					
Thursday	27/8/2026	09:30-10:20	Lecture Medicine	Lower GI Bleeding	Dr. Umair Khan Sherwani
1st Term Exam 31st August 2026 to 11th September 2026					
Monday	31/8/2026	09:00-12:00	Medicine	All the covered topics till 1st term	



Tuesday	15/9/2026	8:30-09:30	Lecture Medicine	TIA + Ischemic Stroke	Dr. Umar Farooq
Wednesday	16/9/2026	09:30-10:20	Lecture Medicine	ICH	Dr. Umar Farooq
Thursday	17/9/2026	09:30-10:20	Lecture Medicine	SAH	Dr. Umar Farooq
Tuesday	22/9/2026	8:30-09:30	Lecture Medicine	Epilepsy	Dr. Ubaid Ullah Ansari
Wednesday	23/9/2026	09:30-10:20	Lecture Medicine	Statics Epilepticos	Dr. Ubaid Ullah Ansari
Thursday	24/9/2026	09:30-10:20	Lecture Medicine	Encephalitis	Dr. Ubaid Ullah Ansari
Monday	28/9/2026	08:30-09:30	Test Medicine		
Tuesday	29/9/2026	8:30-09:30	Lecture Medicine	Pyogenic Meningitis	Dr. Naveed Aslam
Wednesday	30/9/2026	09:30-10:20	Lecture Medicine	GBS + CTS	Dr. Ubaid Ullah Ansari
Thursday	1/10/2026	09:30-10:20	Lecture Medicine	Dementia + Alzheimer Diseases	Dr. Ubaid Ullah Ansari
Tuesday	6/10/2026	8:30-09:30	Lecture Medicine	Myasthenia Gravis	Dr. Ubaid Ullah Ansari
Wednesday	7/10/2026	09:30-10:20	Lecture Medicine	Parkinson's Diseases	Dr. Ubaid Ullah Ansari
Thursday	8/10/2026	09:30-10:20	Lecture Medicine	Raise ICP	Dr. Ubaid Ullah Ansari
Tuesday	13/10/2026	8:30-09:30	Lecture Medicine	Myasthenia Gravis	Dr. Ubaid Ullah Ansari
Wednesday	14/10/2026	09:30-10:20	Lecture Medicine	Parkinson's Diseases	Dr. Ubaid Ullah Ansari
Thursday	15/10/2026	09:30-10:20	Lecture Medicine	Raise ICP	Dr. Ubaid Ullah Ansari
Monday	19/10/2026	08:30-09:30	Test Medicine		
Tuesday	20/10/2026	8:30-09:30	Lecture Medicine	Cushing Syndrome	Dr. Kashif Sardar
Wednesday	21/10/2026	09:30-10:20	Lecture Medicine	Hypar Parathyroidism	Dr. Tariq Tareen
Thursday	22/10/2026	09:30-10:20	Lecture Medicine	Hypothyroidism	Dr. Umar Farooq
Tuesday	27/10/2026	8:30-09:30	Lecture Medicine	Thyrotoxicosis	Dr. Umar Farooq



Wednesday	28/10/2026	09:30-10:20	Lecture Medicine	Acromegaly + Hypopituitarism	Dr. Tariq Tareen
Thursday	29/10/2026	09:30-10:20	Lecture Medicine	DM	Dr. Umar Farooq
Monday	2/11/2026	09:30-10:20	Test Medicine		
Tuesday	3/11/2026	8:30-09:30	Lecture Medicine	Thyrotoxicosis	Dr. Umar Farooq
Wednesday	4/11/2026	09:30-10:20	Lecture Medicine	Acromegaly + Hypopituitarism	Dr. Tariq Tareen
Thursday	5/11/2026	09:30-10:20	Lecture Medicine	DM	Dr. Umar Farooq
6th November 2026 to 14th November 2026 2nd Term Exam					
Tuesday	10/11/2026	09:00-12:00	Medicine	all the covered topics till 2nd term	
Tuesday	17/11/2026	8:30-09:30	Lecture Medicine	DKA + Hyperosmolar Coma	Dr. Tariq Tareen
Wednesday	18/11/2026	09:30-10:20	Lecture Medicine	Insulinoma	Dr. Tariq Tareen
Thursday	19/11/2026	09:30-10:20	Lecture Medicine	Pheochromo Cyroma	Dr. Tariq Tareen
Friday	20/11/2026	8:30-09:30	Test Medicine		
Tuesday	24/11/2026	8:30-09:30	Lecture Medicine	Approach to Anemia (Macrocytic)	Dr. Umar Farooq
Wednesday	25/11/2026	09:30-10:20	CBL Medicine	Hemophilia A + B	Dr. Waseem Sattar
Thursday	26/11/2026	09:30-10:20	Lecture Medicine	AC Leukemia	Dr. Waseem Sattar
Tuesday	1/12/2026	8:30-09:30	Lecture Medicine	Lymphomas	Dr. Waseem Sattar
Wednesday	2/12/2026	09:30-10:20	Lecture Medicine	Pancytopenia / Aplastic Anemia	Dr. Waseem Sattar
Thursday	3/12/2026	09:30-10:20	Lecture Medicine	Hemolytic Anemia / DIC	Dr. Waseem Sattar
Monday	7/12/2026	08:30-09:30	Test Medicine		
Tuesday	8/12/2026	8:30-09:30	Lecture Medicine	Bleeding Disorder / ITP Von Willebrand Diseases	Dr. Waseem Sattar
Wednesday	9/12/2026	09:30-10:20	CBL Medicine	Multiple Myeloma	Dr. Waseem Sattar



Thursday	10/12/2026	09:30-10:20	Lecture Medicine	Malaria	Dr. Shahzad Nasir
Monday	14/12/2026	08:30-09:30	Test Medicine		
Tuesday	15/12/2026	8:30-09:30	Lecture Medicine	Dengue Fever	Dr. Shahzad Nasir
Wednesday	16/12/2026	09:30-10:20	Lecture Medicine	Brucellosis	Dr. Shahzad Nasir
Thursday	17/12/2026	09:30-10:20	Lecture Medicine	Enteric Fever	Dr. Umar Farooq
Monday	21/12/2026	08:30-09:30	Test Medicine		
Tuesday	22/12/2026	8:30-09:30	Lecture Medicine	Dengue Fever	Dr. Shahzad Nasir
Wednesday	23/12/2026	09:30-10:20	Lecture Medicine	Brucellosis	Dr. Shahzad Nasir
Thursday	24/12/2026	09:30-10:20	Lecture Medicine	Enteric Fever	Dr. Umar Farooq
Monday	28/12/2026	08:30-09:30	Test Medicine		
Tuesday	29/12/2026	8:30-09:30	Lecture Medicine	DM	Dr. Umar Farooq
Wednesday	30/12/2026	09:30-10:20	Lecture Medicine	AC Leukemia	Dr. Waseem Sattar
Thursday	31/12/2026	09:30-10:20	Lecture Medicine	Lymphomas	Dr. Waseem Sattar
Tuesday	5/1/2027	8:30-09:30	Lecture Medicine	Pheochromo Cyroma	Dr. Tariq Tareen
Wednesday	6/1/2027	09:30-10:20	Lecture Medicine	Brucellosis	Dr. Shahzad Nasir
Thursday	7/1/2027	09:30-10:20	Lecture Medicine	Enteric Fever	Dr. Umar Farooq
Monday	11/1/2027	08:30-09:30	Test Medicine		
Tuesday	12/1/2027	8:30-09:30	Lecture Medicine	Dengue Fever	Dr. Shahzad Nasir
Wednesday	13/1/2027	09:30-10:20	Lecture Medicine	Brucellosis	Dr. Shahzad Nasir
Thursday	14/1/2027	09:30-10:20	Lecture Medicine	Enteric Fever	Dr. Umar Farooq
Tuesday	19/1/2027	8:30-09:30	Lecture Medicine	AC Leukemia	Dr. Waseem Sattar
Wednesday	20/1/2027	09:30-10:20	Lecture Medicine	Acromegaly + Hypopituitarism	Dr. Tariq Tareen



Thursday	21/1/2027	09:30-10:20	Lecture Medicine	Thyrotoxicosis	Dr. Umar Farooq
Tuesday	26/1/2027	8:30-09:30	Lecture Medicine	GBS + CTS	Dr. Ubaid Ullah Ansari
Wednesday	27/1/2027	09:30-10:20	Lecture Medicine	Epilepsy	Dr. Ubaid Ullah Ansari
Thursday	28/1/2027	09:30-10:20	Lecture Medicine	TIA + Ischemic Stroke	Dr. Umar Farooq
Tuesday	2/2/2027	8:30-09:30	Lecture Medicine	Ascites Evaluation	Dr. Naveed Aslam
Wednesday	3/2/2027	09:30-10:20	Lecture Medicine	Esophagitis / GERD, IBD / Ch. Diarrhoea	Dr. Umair Khan Sherwani
Thursday	4/2/2027	09:30-10:20	Lecture Medicine	Chronic Kidney	Dr. Nadeem Ansari
Tuesday	9/2/2027	8:30-09:30	Lecture Medicine	Hepatocellular Carcinoma	Dr. Umair Khan Sherwani
Wednesday	10/2/2027	09:30-10:20	Lecture Medicine	Raise ICP	Dr. Ubaid Ullah Ansari
Thursday	11/2/2027	09:30-10:20	Lecture Medicine	Approach to Anemia (Macrocytic)	Dr. Umar Farooq
Sendup Preparatory Leaves 13th Feb 27 to 21th Feb 2027					
Monday	22/2/2027	09:00-12:00	Medicine Written	All syllabus	



FACILITATORS (MEDICINE)

Sr. #	Name	Designation	Department
1	Dr. Umer Farooq	Professor	Medicine
2	Dr. Muhammad Shoaib Kanwal	Senior Registrar	Pulmonology



MEDICINE -- COURSE LEARNING OBJECTIVES

Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
1	Principles of Clinical Medicine	- Elicit a thorough and relevant medical history, and carry out a meticulous general and systemic clinical examination. - Formulate a differential diagnosis and treatment plan based on history and examination findings. - Apply invasive and non-invasive diagnostic modalities used in medical practice (laboratory investigations, imaging, ECG, endoscopy, biopsy). Recognise the oral manifestations and clinical significance of systemic diseases, and appreciate the potential complications of treating medically compromised dental patients.	Interactive lecture	MCQs
2	Diseases of the Cardiovascular System	- Describe the aetiology, pathogenesis, clinical presentation, investigations and management of rheumatic fever, rheumatic heart disease and ischemic heart disease. - Formulate a differential diagnosis of acute chest pain and outline its management principles.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
		- Describe the clinical features, investigation and management of cardiac failure, pericarditis, valvular heart disease, infective endocarditis, congenital heart disease and hypertension. - Perform basic life support (BLS) and describe the principles of advanced life support (ALS) in cardiopulmonary resuscitation (CPR). Recognise cardiac conditions relevant to dental practice, including the need for antibiotic prophylaxis and precautions in medically compromised cardiac patients.		
3	Diseases of the Respiratory System	- Describe the aetiology, clinical features, investigations and management of chronic bronchitis, bronchial asthma, emphysema, bronchiectasis, pneumonias and tuberculosis. - Describe respiratory distress syndrome of the newborn (hyaline membrane disease) and of the adult, pulmonary edema, pulmonary thrombo-embolism, acute respiratory obstruction and respiratory failure.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
		- Describe cystic fibrosis and bronchial carcinoma. - Explain the clinical significance of cyanosis, dyspnea and finger clubbing as presenting signs of respiratory disease. Recognise implications of respiratory disease for dental treatment and patient positioning/sedation.		
4	Hematological Diseases	- Classify and describe the aetiology, clinical features, investigations and management of anemias (all types) and polycythemia. - Describe the clinical features and management of leukemias, myeloproliferative and myelodysplastic disorders. - Describe thrombocytopenias, hemophilia, von Willebrand disease, Christmas disease and other disorders of the blood clotting system. Recognise the oral manifestations of haematological disease and the precautions required in dental management of patients with bleeding disorders.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
5	Infectious Diseases	- Describe the clinical presentation, diagnosis and management of common bacterial infections. - Describe common parasitic and protozoal infections encountered in clinical practice. - Describe common fungal infections and their clinical relevance. - Describe common viral infections, including their systemic and oral manifestations. Apply infection control principles relevant to the dental management of patients with communicable disease.	Interactive lecture	MCQs
6	Diseases of the Nervous System	- Describe the clinical features, investigation and management of meningitis and other infections of the CNS. - Describe the clinical features and management of headache, migraine and cluster headaches. - Describe facial pain, with special emphasis on trigeminal neuralgia, vagoglossopharyngeal neuralgia, multiple sclerosis and other central/peripheral causes.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
		- Describe central and peripheral causes of facial paralysis, with special emphasis on differentiating upper motor neuron (UMN) from lower motor neuron (LMN) lesions and on Bell's palsy. - Describe cerebrovascular accident, hemiplegia and paraplegia, epilepsy, Parkinson's disease, and dementia/Alzheimer's disease. Describe the causes and management of cerebral edema.		
7	Diseases of the Gastrointestinal System	- Describe the aetiology, clinical features, investigations and management of esophagitis, peptic ulcer and duodenal ulcer. - Describe coeliac disease, inflammatory bowel disease and chronic diarrhea. - Describe the clinical presentation and management principles of cancers of the gastrointestinal tract (GIT). Recognise oral and systemic manifestations of gastrointestinal disease relevant to dental management.	Interactive lecture	MCQs
8	Diseases of the Liver	Describe the aetiology, clinical features and management of acute and chronic viral hepatitis (A, B, C).	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
		- Describe liver cirrhosis, alcoholic liver disease and liver abscess. - Describe hepatic encephalopathy and hepatocellular carcinoma. - Classify hereditary and acquired causes of jaundice. - Interpret liver function tests and explain the rationale for their use. Recognise implications of liver disease for drug prescribing, bleeding risk and infection control in dental practice.		
9	Diseases of the Kidneys	- Describe the aetiology, clinical features and management of nephrotic syndrome and infections of the kidney and urinary tract. - Describe the causes, clinical features and management of acute and chronic renal failure, and uremia. - Describe the clinical presentation and management of kidney stones. Describe the principles of renal dialysis and transplantation, and their implications for dental management of renal patients.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
10	Diseases of the Endocrine System	- Describe disorders related to hyper- and hyposecretion of the pituitary gland. - Describe disorders related to hyper- and hyposecretion of the thyroid and parathyroid glands. - Describe disorders related to hyper- and hyposecretion of the adrenal cortex and adrenal medulla. - Describe disorders related to hyper- and hyposecretion of the islets of Langerhans (diabetes mellitus and related conditions). Recognise the oral manifestations of endocrine disease and precautions required in the dental management of endocrine-compromised patients.	Interactive lecture	MCQs
11	Clinical Assignments (General Medicine OPD, Wards and Emergency)	- Take a relevant clinical history and perform a general physical examination on patients in the general medicine OPD, wards and emergency department. - Correlate clinical findings with underlying systemic disease and its relevance to dental treatment planning. Recognise and participate in the initial management of medical emergencies encountered during ward/OPD rotations.	Clinical rotation	OSCE / OSVE





Instructural Strategies

Delivery of a curriculum also needs a diversity of educational vernacular for the different learning styles. Following are a few of the recommended instructional strategies. It is advised that at least **three different methods of instruction** should be adopted in the institutional planning. This will enable the diversity of learning patterns to be facilitated.

Large Group Interactive Session (LGIS)

Lecture format is the most widely used approach to teaching especially in a large class size with average attention span of 20-30 mins. Interactive lecturing involves a two-way interaction between the presenter and the participants. Interactive methods like brainstorming, buzz group, simulation, role play, and clinical cases can be used.

- **Significance of its usage**
- Relaxed environment, diverse opinions, active involvement
- Increase attention and motivation.
- Independence and group skills.
- Cost effective.
- Suitable for taking advantage of available audiovisual technologies.

Clinical Teaching

Teaching and learning that occurs with actual patient as the focus. It occurs in the dental simulation labs, Dental Clinics and for Oral Medicine in the wards.

- **Significance of its usage**
- Stimulus of clinical contact
- Psychomotor skills
- Communication skills
- Language skills
- Interpersonal skills
- Professional attitudes and empathy
- Role modelling



Case Based Learning

Case-Based Learning (CBL) is a teaching-learning strategy in which students are presented with a clinical case related to Oral Medicine. Students analyze the case, identify clinical findings, formulate differential diagnoses, and discuss appropriate management under the guidance of the teacher.

- Significance of its usage
- Correlates theoretical knowledge with clinical practice.
- Develops clinical reasoning and diagnostic skills.
- Enhances interpretation of oral signs and symptoms.
- Promotes active participation and discussion.
- Develops problem-solving and decision-making skills.





Assessment Strategies

The assessment and evaluation of the students shall be carried out according to the following criteria:

1. INTERNAL ASSESSMENT

Internal Assessment will have a weight age 10 Percent which is **20 marks** in annual examination and the student will be evaluated internally by:

Weekly Assessment will be conducted regularly, consisting of multiple-choice questions (MCQs) and short essay questions (SEQs)

- i. Teaching assignments.
- ii. Maintenance of Logbooks of Clinical Rotation
- iii. Class participation during lectures and demonstrations
- iv. Attitude and behavior of student throughout academic year
- v. Term Examination
- vi. Participation in Research.
- vii. Sendup Examination

2. Class Tests

- a. Class Test will be conducted after completion of every chapter. Assessment tools will be MCQs, OSPE, OSVE and OSCE

3. Final Send-Up Examination

Final Send up Examination will be held at the end of completion of all three terms for complete evaluation before appearance in UHS examination and will be conducted as per Examination Paper Format comprising of Written Theory, Viva/ OSPE.

4. POLICY FOR ATTENDANCE

- According to university of health sciences **75% attendance is mandatory** for the eligibility to sit in the UHS annual examination.

NOTE:

In order to be eligible to appear in UHS Examinations it is compulsory for the student to achieve at least:

- **75% attendance in each Term**
- **50% marks in each Term and Final Send Up Examination**



Learning Resources

1. Textbook of Medicine — Davidson
2. Clinical Medicine — P.J. Kumar
3. Synopsis of Medicine in Dentistry — Lawrence Cohe

