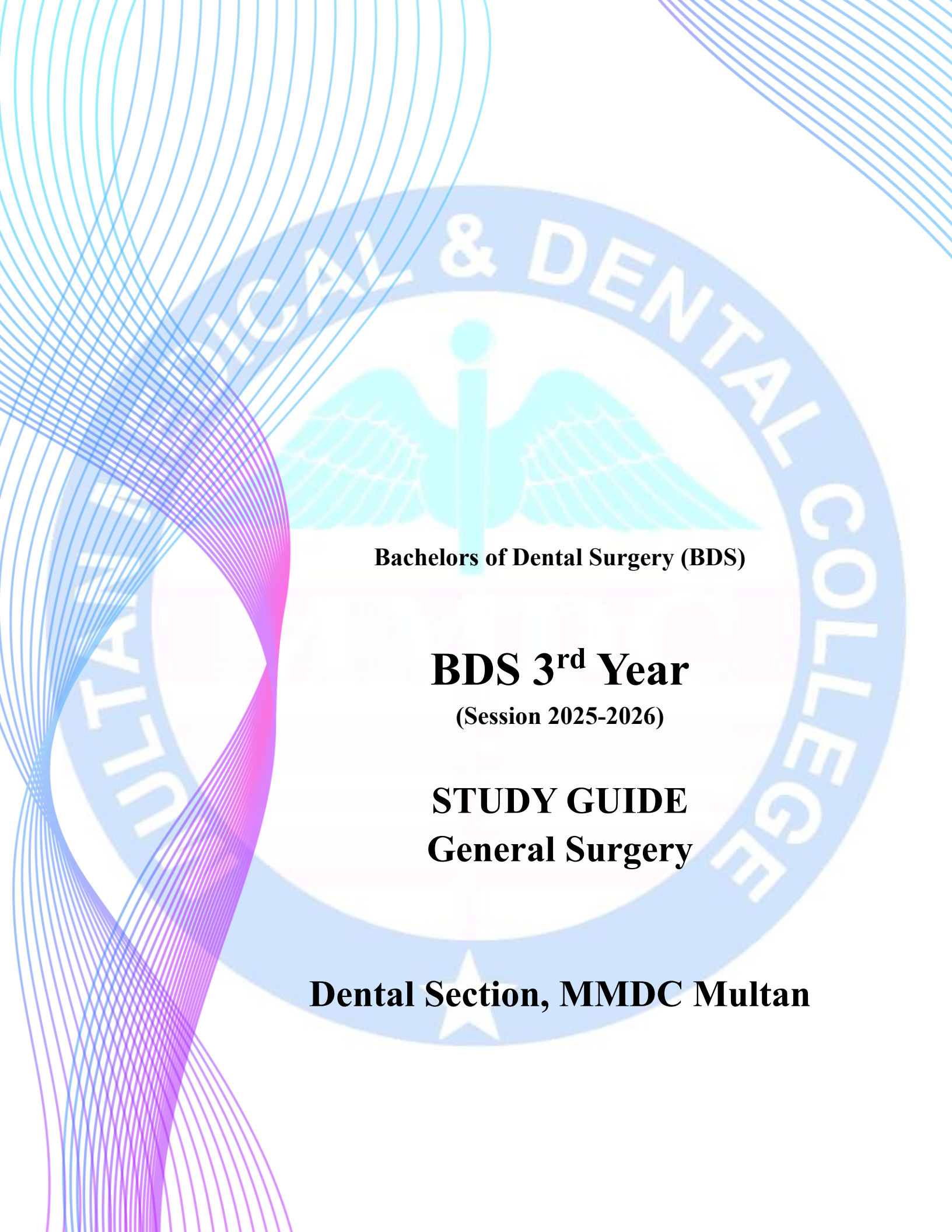




Bachelors of Dental Surgery (BDS)

BDS 3rd Year

(Session 2025-2026)

STUDY GUIDE
General Surgery

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
OSCE	Objective Structured Clinical Examination
OSPE	Objective Structured Practical Examination
LGIS	Large Group Interactive Session
OMFS	Oral and Maxillofacial Surgery



RATIONALE FOR GENERAL SURGERY — BDS 3RD YEAR

- General Surgery introduces BDS students to the principles of surgical practice that underpin safe, competent dental and maxillofacial care, extending beyond the confines of the oral cavity to the patient as a whole.
- Since dental surgeons routinely perform surgical procedures (extractions, minor oral surgery, biopsies) and must manage patients with systemic surgical conditions, a working knowledge of surgical principles — history-taking, examination, diagnosis, treatment planning, infection control, instrumentation, and suturing — is essential to safe practice.
- Training in wound healing and its complications equips students to understand and manage post-operative healing in both hard and soft oral tissues.
- Knowledge of surgical infections, including the spread of odontogenic infection through fascial planes (e.g. Ludwig's angina) and its intracranial complications, is directly relevant to managing dental infections that can become life-threatening.
- Exposure to trauma care principles — airway management, CPR, and management of head, chest, abdominal, and maxillofacial injuries — prepares students to recognize and respond appropriately to medical and surgical emergencies, including those arising in the dental clinic.
- Understanding hemorrhage, shock, and burns management builds the foundation for handling acute complications that may arise during dental or oral surgical procedures.
- Study of oral and maxillofacial pathology, salivary gland disease, and neck pathology gives students the diagnostic grounding to recognize surgical disease presenting in the head and neck region — a core area of overlap between general surgery and dentistry.
- Clinical rotations through general surgical OPD, wards, and emergency departments give students real patient exposure, reinforcing classroom learning with practical clinical correlation and preparing them to work confidently alongside medical colleagues.



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
Sendup	24 February 2027



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 - SURGERY

Day	Date	Time	Academic Activity	Learning Objectives	Facilitator Name
Monday	27/4/2026	10:20-11:10	Lecture Surgery	Nutrition & Fluid Therapy	Dr. Waqas Arshad
Tuesday	28/4/2026	01:20-02:10	Lecture Surgery	Nutrition & Fluid Therapy	Dr. Waqas Arshad
Wednesday	29/4/2026	8:30-09:30	Lecture Surgery	Thyroglossal cyst, carotid body tumor cystic hygroma	Dr. Waqas Arshad
1ST MAY Labour Day					
Monday	4/5/2026	10:20-11:10	Lecture Surgery	Thyroglossal cyst, carotid body tumor cystic hygroma	Dr. Waqas Arshad
Tuesday	5/5/2026	01:20-02:10	Lecture Surgery	Thyroglossal cyst, carotid body tumor cystic hygroma	Dr. Waqas Arshad
Wednesday	6/5/2026	8:30-09:30	Lecture Surgery	Thyroglossal cyst, carotid body tumor cystic hygroma	Dr. Waqas Arshad
Monday	11/5/2026	10:20-11:10	Lecture Surgery	Tissue Diagnosis	Dr. Saim Athar
Tuesday	12/5/2026	01:20-02:10	Lecture Surgery	Tissue Diagnosis	Dr. Saim Athar
Wednesday	13/5/2026	8:30-09:30	Lecture Surgery	Maxillary Sinusitis	Dr. Saim Athar
Monday	18/5/2026	08:30-09:30	Test Surgery	All the covered topics studied till now	
Monday	18/5/2026	09:30-10:20	Test Surgery	All the covered topics studied till now	
Monday	18/5/2026	10:20-11:10	Lecture Surgery	Cross Infection Control and Sterilization	Dr. M. Mukhtar
Tuesday	19/5/2026	01:20-02:10	Lecture Surgery	Introduction to Basic Surgical skill Sutures and	Dr. M. Mukhtar



				Suturing Technique	
Wednesday	20/5/2026	8:30-09:30	Lecture Surgery	Basal Cell Carcinoma Squamous Cell Carcinoma Melanoma	Dr. M. Mukhtar
25th May-29th May 2026 Eid ul Azha Holidays					
Monday	1/6/2026	10:20-11:10	Lecture Surgery	Basal Cell Carcinoma Squamous Cell Carcinoma Melanoma	Dr. M. Mukhtar
Tuesday	2/6/2026	01:20-02:10	Lecture Surgery	Wounds, Tissue Repair & Scars	Dr. Anum Fayyaz
Wednesday	3/6/2026	8:30-09:30	Lecture Surgery	Wounds, Tissue Repair & Scars	Dr. Anum Fayyaz
Monday	8/6/2026	10:20-11:10	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz
Tuesday	9/6/2026	01:20-02:10	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz
Wednesday	10/6/2026	8:30-09:30	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz
Friday	12/6/2026	8:30-09:30	Test Surgery		
15th June -12july 2026 Summer Vacations					
Monday	13/7/2026	10:20-11:10	Lecture Surgery	Basal Cell Carcinoma Squamous Cell Carcinoma Melanoma	Dr. M. Mukhtar
Tuesday	14/7/2026	01:20-02:10	Lecture Surgery	Wounds, Tissue Repair & Scars	Dr. Anum Fayyaz
Wednesday	15/7/2026	8:30-09:30	Lecture Surgery	Wounds, Tissue Repair & Scars	Dr. Anum Fayyaz
Monday	20/7/2026	10:20-11:10	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz



Tuesday	21/7/2026	01:20-02:10	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz
Wednesday	22/7/2026	8:30-09:30	Lecture Surgery	Burns and reconstructive surgery	Dr. Anum Fayyaz
Monday	27/7/2026	08:30-09:30	Test Surgery		
Monday	27/7/2026	09:30-10:20	Test Surgery		
Monday	27/7/2026	10:20-11:10	CBL Surgery	Developmental Defect and Cleft lip & Palate	Prof. Dr. M. Ashraf
Tuesday	28/7/2026	01:20-02:10	Lecture Surgery	Surgical Instruments & Their use. Diagnostic Imaging	Dr. Minhaj Rafi
Wednesday	29/7/2026	8:30-09:30	Lecture Surgery	Diagnostic Imaging	Dr. Minhaj Rafi
Monday	3/8/2026	10:20-11:10	CBL Surgery	Early Assessment and Management of Trauma	Prof. Dr. Ashar Ahmad Khan
Tuesday	4/8/2026	01:20-02:10	Lecture Surgery	Early Assessment and Management of Trauma	Prof. Dr. Ashar Ahmad Khan
Wednesday	5/8/2026	8:30-09:30	Lecture Surgery	Pharynx, Larynx & Neck	Dr. Shahzaib Asghar
Monday	10/8/2026	08:30-09:30	Test Surgery		
Monday	10/8/2026	10:20-11:10	Lecture Surgery	Pharynx, Larynx & Neck	Dr. Shahzaib Asghar
Tuesday	11/8/2026	01:20-02:10	Lecture Surgery	Cervical lymphadenopathy, branchial cyst dermoid Cyst sternomastoid tumour	Dr. Shahzaib Asghar
Wednesday	12/8/2026	8:30-09:30	Lecture Surgery	Cervical lymphadenopathy, branchial cyst dermoid Cyst sternomastoid tumour	Dr. Shahzaib Asghar
Friday 14th August 2026					



Monday	17/8/2026	10:20-11:10	Lecture Surgery	Cervical lymphadenopathy, branchial cyst dermoid Cyst sternomastoid tumour	Dr. Shahzaib Asghar
Tuesday	18/8/2026	01:20-02:10	Lecture Surgery	cervical limb carotid aneurysm pharyngeal pouch spinal abscess)	Dr. Shahzaib Asghar
Wednesday	19/8/2026	8:30-09:30	Lecture Surgery	cervical limb carotid aneurysm pharyngeal pouch spinal abscess)	Dr. Shahzaib Asghar
Monday	24/8/2026	08:30-09:30	Test Surgery		
Monday	24/8/2026	10:20-11:10	Lecture Surgery	Parathyroid Glands	Dr. Anum Fayyaz
Tuesday	25/8/2026	01:20-02:10	Lecture Surgery	Parathyroid Glands	Dr. Anum Fayyaz
Wednesday 26th August 2026 Eid Milad un Nabi					
1st Term Exam 31st August 2026 to 11th September 2026					
Thursday	3/9/2026	09:00-12:00	Surgery	All the covered topics till 1st term	
Monday	14/9/2026	10:20-11:10	Lecture Surgery	Parathyroid Glands (Revision)	Dr. Anum Fayyaz
Tuesday	15/9/2026	01:20-02:10	Lecture Surgery	Diseases of Thyroid	Prof. Dr. Manzar Ali / Dr. Saim Athar
Wednesday	16/9/2026	8:30-09:30	Lecture Surgery	Diseases of Thyroid	Prof. Dr. Manzar Ali / Dr. Saim Athar
Monday	21/9/2026	08:30-09:30	Test Surgery		
Monday	21/9/2026	10:20-11:10	Lecture Surgery	Diseases of Thyroid	Prof. Dr. Manzar Ali / Dr. Saim Athar
Tuesday	22/9/2026	01:20-02:10	Lecture Surgery	Diseases of Thyroid	Prof. Dr. Manzar Ali / Dr. Saim Athar



Wednesday	23/9/2026	8:30-09:30	Lecture Surgery	Diseases of Thyroid	Prof. Dr. Manzar Ali / Dr. Saim Athar
Monday	28/9/2026	10:20-11:10	Lecture Surgery	Head Injury	Dr. Shoaib Saleem
Tuesday	29/9/2026	01:20-02:10	Lecture Surgery	Head Injury	Dr. Shoaib Saleem
Wednesday	30/9/2026	8:30-09:30	Lecture Surgery	Presentation, Diagnosis and Treatment of Maxillofacial Trauma	Dr. Shoaib Saleem
Friday	2/10/2026	8:30-09:30	Test Surgery		
Monday	5/10/2026	10:20-11:10	Lecture Surgery	Presentation, Diagnosis and Treatment of Maxillofacial Trauma	Dr. Shoaib Saleem
Tuesday	6/10/2026	1:20 -2:10	Lecture Surgery	Presentation, Diagnosis and Treatment of Maxillofacial Trauma	Dr. Shoaib Saleem
Wednesday	7/10/2026	8:30-09:30	Lecture Surgery	Neck & Spine Injury	Dr. Shoaib Saleem
Monday	12/10/2026	08:30-09:30	Test Surgery		
Monday	12/10/2026	10:20-11:10	Lecture Surgery	Presentation, Diagnosis and Treatment of Maxillofacial Trauma	Dr. Shoaib Saleem
Tuesday	13/10/2026	01:20-02:10	Lecture Surgery	Presentation, Diagnosis and Treatment of Maxillofacial Trauma	Dr. Shoaib Saleem
Wednesday	14/10/2026	8:30-09:30	Lecture Surgery	Neck & Spine Injury	Dr. Shoaib Saleem
Monday	19/10/2026	10:20-11:10	Lecture Surgery	Trauma to the Face & Mouth	Dr. Shoaib Saleem



Tuesday	20/10/2026	01:20-02:10	Lecture Surgery	Trauma to the Face & Mouth	Dr. Shoaib Saleem
Wednesday	21/10/2026	8:30-09:30	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Friday	23/10/2026	8:30-09:30	Test Surgery		
Monday	26/10/2026	10:20-11:10	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Tuesday	27/10/2026	01:20-02:10	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Wednesday	28/10/2026	8:30-09:30	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Monday	2/11/2026	08:30-09:30	Test Surgery		
Monday	2/11/2026	10:20-11:10	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Tuesday	3/11/2026	01:20-02:10	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
Wednesday	4/11/2026	8:30-09:30	Lecture Surgery	Oropharyngeal Cancer	Dr. Minhaj Rafi
6th November 2026 to 14th November 2026 2nd Term Exam					
Saturday	7/11/2026	09:00-12:00	General Surgery	all the covered topics till 2nd term	
Monday	16/11/2026	10:20-11:10	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Tuesday	17/11/2026	01:20-02:10	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Wednesday	18/11/2026	8:30-09:30	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Monday	23/11/2026	09:30-10:20	Test Surgery		
Monday	23/11/2026	10:20-11:10	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Tuesday	24/11/2026	01:20-02:10	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Wednesday	25/11/2026	8:30-09:30	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Monday	30/11/2026	10:20-11:10	Lecture Surgery	Surgical Infection	Dr. Minhaj Rafi
Tuesday	1/12/2026	01:20-02:10	Lecture Surgery	Metabolic Response to Trauma	Dr. Zubair Siddiqui



Wednesday	2/12/2026	8:30-09:30	Lecture Surgery	Metabolic Response to Trauma	Dr. Zubair Siddiqui
Friday	4/12/2026	8:30-09:30	Test Surgery		
Monday	7/12/2026	10:20-11:10	CBL Surgery	Metabolic Response to Trauma	Dr. Zubair Siddiqui
Tuesday	8/12/2026	01:20-02:10	Lecture Surgery	Shock & Blood Transfusion	Dr. Zubair Siddiqui
Wednesday	9/12/2026	8:30-09:30	Lecture Surgery	Shock & Blood Transfusion	Dr. Zubair Siddiqui
Monday	14/12/2026	10:20-11:10	CBL Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Tuesday	15/12/2026	01:20-02:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Wednesday	16/12/2026	8:30-09:30	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Monday	21/12/2026	10:20-11:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Tuesday	22/12/2026	01:20-02:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Wednesday	23/12/2026	8:30-09:30	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Friday 25th December 2026 Quaid-e-Azam Day					
Monday	28/12/2026	10:20-11:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Tuesday	29/12/2026	01:20-02:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Wednesday	30/12/2026	8:30-09:30	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Monday	4/1/2027	08:30-09:30	Test Surgery		
Monday	4/1/2027	10:20-11:10	Lecture Surgery	Disorders of Salivary Glands	Dr. Zubair Siddiqui
Tuesday	5/1/2027	01:20-02:10	Lecture Surgery	Trauma Chest & Abdomen	Prof. Dr. Ashar Ahmad Khan
Wednesday	6/1/2027	8:30-09:30	Lecture Surgery	Trauma Chest & Abdomen	Prof. Dr. Ashar Ahmad Khan
Monday	11/1/2027	10:20-11:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi



Tuesday	12/1/2027	01:20-02:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	13/1/2027	8:30-09:30	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Friday	15/1/2027	8:30-09:30	Test Surgery		
Monday	18/1/2027	10:20-11:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Tuesday	19/1/2027	01:20-02:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	20/1/2027	8:30-09:30	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Monday	25/1/2027	10:20-11:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Tuesday	26/1/2027	01:20-02:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	27/1/2027	8:30-09:30	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Monday	1/2/2027	10:20-11:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Tuesday	2/2/2027	01:20-02:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	3/2/2027	8:30-09:30	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	3/2/2027	02:10-03:00	Lecture Oral Surgery	Complicated Exodontia	Dr Shoaib
Monday	8/2/2027	10:20-11:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Tuesday	9/2/2027	01:20-02:10	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi



Wednesday	10/2/2027	8:30-09:30	Lecture Surgery	Carcinoma of the esophagus and larynx	Dr. Minhaj Rafi
Wednesday	10/2/2027	02:10-03:00	Lecture Oral Surgery	Simple Exodontia	Dr Usman
Sendup Preparatory Leaves 13th Feb 27 to 21th Feb 2027					
Wednesday	24/2/2027	09:00-12:00	Surgery Written	All syllabus	



FACILITATORS (SURGERY)

Sr. #	Name	Designation	Department
1	Dr. Safdar Ali Khan	Professor	Surgery
2	Dr. Waqas Arshad	Assistant Professor	Surgery



GENERAL SURGERY — COURSE LEARNING OBJECTIVES

Sr. No.	Title / Topic	Learning Objective	T&L Strategy	Assessment Tool
1	Surgical Principles History, examination, diagnosis and treatment planning	- Elicit a thorough medical history and carry out a meticulous clinical examination relevant to surgical practice. - Formulate a diagnosis and treatment plan based on history and examination findings. - Apply invasive and non-invasive diagnostic modalities used in surgical practice. - Describe the principles of cross-infection control and sterilisation in the surgical setting. - Identify common surgical instruments and describe their correct use. - Describe suturing materials, needles and basic suturing techniques. - Describe the protocols of the operation theatre, ward work, patient clerking and out-patient clinics. Demonstrate an introductory understanding of basic surgical skills.	Interactive lecture	MCQs
2	Healing and Repair of Wounds	Describe the mechanism of healing and repair in both hard and soft tissues.	Interactive lecture	MCQs



Sr. No.	Title / Topic	Learning Objective	T&L Strategy	Assessment Tool
		Identify the complications of wound healing and describe their management.		
3	Surgical Infections	- Describe the clinical presentation, diagnosis and treatment of bacterial, viral, fungal and protozoal surgical infections, including hospital-acquired infections. - Describe cellulitis and the spread of infection through fascial planes, including Ludwig's angina and intracranial complications of dental infection. - Describe the clinical features, diagnosis and management of osteomyelitis. Describe chronic sinuses and fistulae of the oral and maxillofacial region.	Interactive lecture	MCQs
4	Trauma Care	- Describe the principles of pre-hospital, emergency and definitive care of trauma victims, with special emphasis on the management of airway, bleeding and circulation, and CPR protocols. - Describe the principles of management of head, chest and abdominal injuries. - Describe the principles of nutrition and fluid intake in trauma victims. Describe the presentation, diagnosis and treatment of maxillofacial trauma.	Interactive lecture	MCQs



Sr. No.	Title / Topic	Learning Objective	T&L Strategy	Assessment Tool
5	Hemorrhage, Shock and Burns	- Describe the causes, presentation, diagnosis and management of primary and secondary hemorrhage. - Differentiate between vasovagal, cardiogenic, septic, anaphylactic, neurogenic, hypoglycemic and hypovolemic shock, and describe their management. Describe the presentation and management of burns victims.	Interactive lecture	MCQs
6	Oral & Maxillofacial Pathology Tumors of the oral cavity	- Describe the epidemiology, classification, clinical presentation, diagnosis and treatment of benign and malignant tumors of the oral cavity, including epithelial, soft tissue and bone tumors. - Describe oral squamous cell carcinoma, basal cell carcinoma, melanoma and osteosarcoma with special emphasis on their clinical significance. Describe the epidemiology, classification, clinical presentation, diagnosis and treatment of odontogenic tumors and cysts, with special emphasis on ameloblastoma, Pindborg tumor, dentigerous cyst, radicular cyst and keratocyst.	Interactive lecture	MCQs



Sr. No.	Title / Topic	Learning Objective	T&L Strategy	Assessment Tool
7	Maxillary Sinus and Salivary Gland Pathology	- Describe maxillary sinusitis, carcinoma and other pathological lesions of the maxillary sinus. - Describe sialadenitis, sialolithiasis, sialosis, Sjögren's syndrome and Mikulicz syndrome. - Describe cystic lesions of the salivary glands, including mucocele and ranula. Describe the epidemiology, classification, clinical presentation, diagnosis and treatment of benign and malignant tumors of the salivary glands.	Interactive lecture	MCQs
8	Neck Pathology	- Describe cervical lymphadenopathy and pathology of the thyroid gland, including thyroglossal cyst. - Describe parathyroid gland pathology, branchial cyst, dermoid cyst, sternomastoid tumor, cervical rib, carotid body tumor, carotid aneurysm, thymic swellings, cystic hygroma, pharyngeal pouch and spinal abscess. Describe carcinoma of the esophagus and larynx.	Interactive lecture	



Sr. No.	Title / Topic	Learning Objective	T&L Strategy	Assessment Tool
9	Developmental Pathology	Describe developmental defects of the oral and para-oral structures, with special emphasis on cleft lip and palate.	Interactive lecture	MCQs
10	Clinical Assignments General surgical OPD, wards and emergency	- Take a relevant clinical history and perform a general surgical examination on patients in the general surgical OPD, wards and emergency department. - Correlate clinical findings with underlying surgical pathology and its relevance to dental and maxillofacial treatment planning. Recognise and participate in the initial management of surgical emergencies encountered during ward/OPD rotations.	Clinical rotation	OSCE / OSVE



The background of the slide features a large, light blue circular seal of Multan Medical & Dental College. The seal contains a caduceus in the center and the text 'MULTAN MEDICAL & DENTAL COLLEGE' around the perimeter. A white star is positioned at the bottom center of the seal.

TEACHING METHODOLOGIES



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 OMFS in the wards and operation theatre

- **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 General Surgery — Bailey & Love
2. An Introduction to the Symptoms & Signs of Surgical Disease — Norman Browse
3. Clinical Methods in General Surgery — S. Das
4. Clinical Methods in General Surgery — Hamilton & Bailey
5. Textbook of Surgery — Ijaz Ahsan