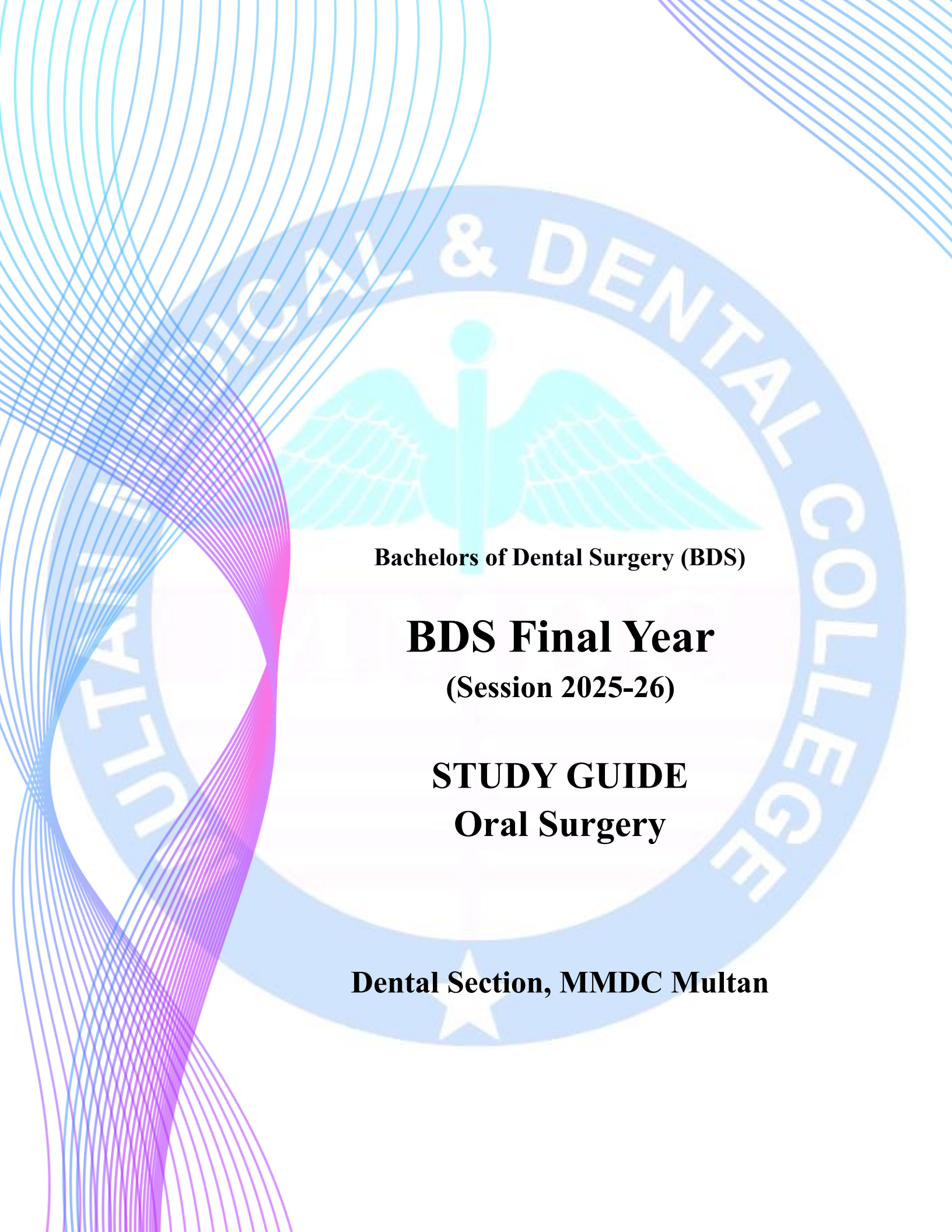




**Bachelors of Dental Surgery (BDS)**

**BDS Final Year**

**(Session 2025-26)**

**STUDY GUIDE**

**Oral 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.



## LIST OF ABBREVIATION

| Abbreviation   | Full Form                                   |
|----------------|---------------------------------------------|
| <b>BDS</b>     | Bachelor of Dental Surgery                  |
| <b>UHS</b>     | University of Health Sciences               |
| <b>MMDC</b>    | Multan Medical & Dental College             |
| <b>MIT</b>     | Mode of Information Transfer                |
| <b>AT</b>      | Assessment Tool                             |
| <b>T&amp;L</b> | Teaching and Learning                       |
| <b>RAS</b>     | Recurrent Aphthous Stomatitis               |
| <b>TMJ</b>     | Temporomandibular Joint                     |
| <b>TMD</b>     | Temporomandibular Disorders                 |
| <b>TMPDS</b>   | Temporomandibular Pain-Dysfunction Syndrome |
| <b>OSCE</b>    | Objective Structured Clinical Examination   |
| <b>OSPE</b>    | Objective Structured Practical Examination  |
| <b>LGIS</b>    | Large Group Interactive Session             |
| <b>OMFS</b>    | Oral and Maxillofacial Surgery              |



## **RATIONALE FOR ORAL SURGERY — BDS FINAL YEAR**

- Oral Surgery trains students in the surgical management of diseases, injuries, and defects of the teeth, jaws, and oral and maxillofacial region, building directly on the general surgical principles introduced earlier in the curriculum.
- Since exodontia (tooth extraction) and minor oral surgical procedures form a core part of everyday general dental practice, students must develop competence in patient assessment, treatment planning, local anaesthesia, surgical technique, and post-operative care before graduating.
- Emphasis on aseptic technique, surgical instrumentation, and flap and suturing principles ensures students can perform routine and surgical extractions safely and manage impacted teeth appropriately.
- Understanding the spread of odontogenic infection (cellulitis, fascial space infections, Ludwig's angina) and its potentially life-threatening complications equips students to recognise when a dental infection requires urgent surgical or medical intervention.
- Training in the recognition and initial management of oral and maxillofacial trauma — including dentoalveolar injuries and fractures — prepares students to provide emergency care and know when to refer to a specialist.
- Exposure to biopsy technique and the surgical management of cysts and tumours of the jaws links Oral Surgery directly to the Oral Pathology curriculum, reinforcing correlation between clinical presentation and histopathological diagnosis.
- Recognition and management of medical emergencies in the dental surgery — syncope, anaphylaxis, and complications of local anaesthesia — is a critical patient-safety skill built through this rotation.
- Clinical rotation through the Oral Surgery department in the final year gives students hands-on, supervised experience performing extractions and minor procedures on real patients, consolidating theoretical knowledge into practical competence before independent practice.



**ACADEMIC SCHEDULE OF BDS FINAL YEAR**

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Class Commencement               | 11 May 2026                           |
| 1 <sup>st</sup> Term Examination | 14 September – 21 September           |
| 2 <sup>nd</sup> Term Examination | 16 November – 23 November             |
| Sendup Examination               | 1 <sup>st</sup> February – 8 February |



**TIME TABLE**



**DENTAL SECTION, MULTAN MEDICAL & DENTAL COLLEGE, MULTAN**

**Time Table For Final 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                                |
|------------------|--------------------------------------------|---------------------------------------|--------------------------------------------|-------------|-------------|---------------------------------|--------------------------------------------|--------------------------------------------|
| <b>Monday</b>    | Test                                       | Test                                  | Interactive Lecture<br>Oral Surgery        | Clinical    | Clinical    | Lunch &<br>Namaz Break          | Clinical                                   | Interactive Lecture<br>Orthodontics        |
| <b>Tuesday</b>   | Interactive Lecture<br>Prosthodontics      | Interactive Lecture<br>Oral Surgery   | Clinical                                   | Clinical    | Clinical    | Lunch &<br>Namaz Break          | Clinical                                   | Interactive Lecture<br>Operative Dentistry |
| <b>Wednesday</b> | Interactive Lecture<br>Operative Dentistry | Interactive Lecture<br>Orthodontics   | Clinical                                   | Clinical    | Clinical    | Lunch &<br>Namaz Break          | Clinical                                   | Interactive Lecture<br>Prosthodontics      |
| <b>Thursday</b>  | Interactive Lecture<br>Orthodontics        | Interactive Lecture<br>Pedodontics    | Clinical                                   | Clinical    | Clinical    | Lunch &<br>Namaz Break          | Interactive Lecture<br>Research            | Interactive Lecture<br>Oral Surgery        |
| <b>Friday</b>    | Test                                       | Interactive Lecture<br>Prosthodontics | Interactive Lecture<br>Operative Dentistry | Clinical    | Clinical    | Lunch &<br>Jumma Namaz<br>Break | Interactive Lecture<br>Behavioral Sciences | Interactive Lecture<br>ICT                 |



## COURSE SEQUENCE – ORAL SURGERY

| Day      | Date       | Time        | Subject                  | Topic                        | Facilitator Name |
|----------|------------|-------------|--------------------------|------------------------------|------------------|
| Monday   | 11-05-2026 | 10:20-11:10 | Lecture Oral Surgery     | Medical Emergencies          | Dr Noor-Ul-Ain   |
| Tuesday  | 12-05-2026 | 09:30-10:20 | Lecture Oral Surgery     | Medical Emergencies          | Dr Noor-Ul-Ain   |
| Thursday | 14-05-2026 | 02:10-03:00 | CBL Oral Surgery         | Medical Emergencies          | Dr Noor-Ul-Ain   |
| Monday   | 18-05-2026 | 08:30-09:30 | <b>Test Oral Surgery</b> |                              |                  |
| Monday   | 18-05-2026 | 10:20-11:10 | Lecture Oral Surgery     | Medical Emergencies          | Dr Shoaib        |
| Tuesday  | 19-05-2026 | 09:30-10:20 | Lecture Oral Surgery     | Medical Emergencies          | Dr Shoaib        |
| Thursday | 21-05-2026 | 02:10-03:00 | CBL Oral Surgery         | Medical Emergencies          | Dr Shoaib        |
| Monday   | 01-06-2026 | 09:30-10:20 | <b>Test Oral Surgery</b> |                              |                  |
| Monday   | 01-06-2026 | 10:20-11:10 | Lecture Oral Surgery     | Local Anesthesia             | Dr Usman         |
| Tuesday  | 02-06-2026 | 09:30-10:20 | Lecture Oral Surgery     | Local Anesthesia             | Dr Usman         |
| Thursday | 04-06-2026 | 02:10-03:00 | Lecture Oral Surgery     | Local Anesthesia             | Dr Shoaib        |
| Monday   | 08-06-2026 | 10:20-11:10 | Lecture Oral Surgery     | Local Anesthesia             | Dr Shoaib        |
| Tuesday  | 09-06-2026 | 09:30-10:20 | Lecture Oral Surgery     | Wound Healing + Nerve Injury | Dr Fatima        |
| Thursday | 11-06-2026 | 02:10-03:00 | Lecture Oral Surgery     | Simple Exodontia             | Dr Usman         |
| Friday   | 12-06-2026 | 08:30-09:30 | <b>Test Oral Surgery</b> |                              |                  |
| Monday   | 13-07-2026 | 10:20-11:10 | Lecture Oral Surgery     | Simple Exodontia             | Dr Usman         |
| Tuesday  | 14-07-2026 | 09:30-10:20 | Lecture Oral Surgery     | Complicated Exodontia        | Dr Shoaib        |
| Thursday | 16-07-2026 | 02:10-03:00 | Lecture Oral Surgery     | Complicated Exodontia        | Dr Shoaib        |
| Monday   | 20-07-2026 | 08:30-09:30 | <b>Test Oral Surgery</b> |                              |                  |



|          |            |             |                          |                            |                |
|----------|------------|-------------|--------------------------|----------------------------|----------------|
| Monday   | 20-07-2026 | 10:20-11:10 | Lecture Oral Surgery     | Simple Exodontia           | Dr Usman       |
| Tuesday  | 21-07-2026 | 09:30-10:20 | Lecture Oral Surgery     | Complicated Exodontia      | Dr Shoaib      |
| Thursday | 23-07-2026 | 02:10-03:00 | Lecture Oral Surgery     | Complicated Exodontia      | Dr Shoaib      |
| Monday   | 27-07-2026 | 09:30-10:20 | <b>Test Oral Surgery</b> |                            |                |
| Monday   | 27-07-2026 | 10:20-11:10 | Lecture Oral Surgery     | Simple Exodontia           | Dr Usman       |
| Tuesday  | 28-07-2026 | 09:30-10:20 | Lecture Oral Surgery     | Complicated Exodontia      | Dr Shoaib      |
| Thursday | 30-07-2026 | 02:10-03:00 | Lecture Oral Surgery     | Complicated Exodontia      | Dr Shoaib      |
| Monday   | 03-08-2026 | 10:20-11:10 | Lecture Oral Surgery     | Post.Extraction Management | Dr. Shoaib     |
| Tuesday  | 04-08-2026 | 09:30-10:20 | Lecture Oral Surgery     | Basic Principle of Surgery | Dr Fatima      |
| Thursday | 06-08-2026 | 02:10-03:00 | Lecture Oral Surgery     | Basic Principle of Surgery | Dr Fatima      |
| Friday   | 07-08-2026 | 08:30-09:30 | <b>Test Oral Surgery</b> |                            |                |
| Monday   | 10-08-2026 | 09:30-10:20 | <b>Oral Surgey</b>       |                            |                |
| Monday   | 10-08-2026 | 10:20-11:10 | Lecture Oral Surgery     | Infection Control          | Dr Fatima      |
| Tuesday  | 11-08-2026 | 09:30-10:20 | Lecture Oral Surgery     | Infection Control          | Dr Fatima      |
| Thursday | 13-08-2026 | 02:10-03:00 | Lecture Oral Surgery     | Hep.B,C Aids               | Dr Shoaib      |
| Monday   | 17-08-2026 | 10:20-11:10 | Lecture Oral Surgery     | Impaction                  | Dr Noor-Ul-Ain |
| Tuesday  | 18-08-2026 | 09:30-10:20 | Lecture Oral Surgery     | Impaction                  | Dr Noor-Ul-Ain |
| Thursday | 20-08-2026 | 02:10-03:00 | Lecture Oral Surgery     | Impaction                  | Dr Noor-Ul-Ain |
| Monday   | 24-08-2026 | 08:30-09:30 | <b>Oral Surgey</b>       |                            |                |
| Monday   | 24-08-2026 | 10:20-11:10 | Lecture Oral Surgery     | Impaction                  | Dr Noor-Ul-Ain |
| Thursday | 27-08-2026 | 02:10-03:00 | Lecture Oral Surgery     | Endodontic Surgery         | Dr Usman       |
| Monday   | 31-08-2026 | 09:30-10:20 | <b>Oral Surgey</b>       |                            |                |



|               |                   |             |                          |                       |                |
|---------------|-------------------|-------------|--------------------------|-----------------------|----------------|
| Monday        | 31-08-2026        | 10:20-11:10 | Lecture Oral Surgery     | Endodontic Surgery    | Dr Usman       |
| Tuesday       | 01-09-2026        | 09:30-10:20 | Lecture Oral Surgery     | Implant               | Dr Shoaib      |
| Thursday      | 03-09-2026        | 02:10-03:00 | Lecture Oral Surgery     | Implant               | Dr Shoaib      |
| Monday        | 07-09-2026        | 10:20-11:10 | Lecture Oral Surgery     | Implant               | Dr Shoaib      |
| Tuesday       | 08-09-2026        | 09:30-10:20 | Lecture Oral Surgery     | Preprosthetic Surgery | Dr Noor-Ul-Ain |
| Thursday      | 10-09-2026        | 02:10-03:00 | Lecture Oral Surgery     | Preprosthetic Surgery | Dr Noor-Ul-Ain |
| Friday        | 11-09-2026        | 08:30-09:30 | <b>Oral Surgery</b>      |                       |                |
| <b>Monday</b> | <b>21-09-2026</b> | 09:00-12:00 | <b>Oral Surgery</b>      |                       |                |
| Tuesday       | 22-09-2026        | 09:30-10:20 | Lecture Oral Surgery     | Preprosthetic Surgery | Dr Noor-Ul-Ain |
| Thursday      | 24-09-2026        | 02:10-03:00 | CBL Oral Surgery         | Maxillary Sinusitis   | Dr Usman       |
| Monday        | 28-09-2026        | 10:20-11:10 | Lecture Oral Surgery     | Preprosthetic Surgery | Dr Noor-Ul-Ain |
| Tuesday       | 29-09-2026        | 09:30-10:20 | Lecture Oral Surgery     | Preprosthetic Surgery | Dr Noor-Ul-Ain |
| Thursday      | 01-10-2026        | 02:10-03:00 | CBL Oral Surgery         | Maxillary Sinusitis   | Dr Usman       |
| Friday        | 02-10-2026        | 08:30-09:30 | <b>Test Oral Surgery</b> |                       |                |
| Monday        | 05-10-2026        | 10:20-11:10 | Lecture Oral Surgery     | Salivary Gland        | Dr Shoaib      |
| Tuesday       | 06-10-2026        | 09:30-10:20 | Lecture Oral Surgery     | Salivary Gland        | Dr shoaib      |
| Thursday      | 08-10-2026        | 02:10-03:00 | Lecture Oral Surgery     | Odontogenic Infection | Dr Noor-Ul-Ain |
| Monday        | 12-10-2026        | 08:30-09:30 | <b>Test Oral Surgery</b> |                       |                |
| Monday        | 12-10-2026        | 10:20-11:10 | Lecture Oral Surgery     | Salivary Gland        | Dr Shoaib      |
| Tuesday       | 13-10-2026        | 09:30-10:20 | Lecture Oral Surgery     | Salivary Gland        | Dr shoaib      |
| Thursday      | 15-10-2026        | 02:10-03:00 | Lecture Oral Surgery     | Odontogenic Infection | Dr Noor-Ul-Ain |
| Monday        | 19-10-2026        | 09:30-10:20 | <b>Test Oral Surgery</b> |                       |                |



|               |                   |                    |                          |                                  |                |
|---------------|-------------------|--------------------|--------------------------|----------------------------------|----------------|
| Monday        | 19-10-2026        | 10:20-11:10        | Lecture Oral Surgery     | Odontogenic Infection            | Dr Noor-Ul-Ain |
| Tuesday       | 20-10-2026        | 09:30-10:20        | Lecture Oral Surgery     | Odontogenic Infection            | Dr Noor-Ul-Ain |
| Thursday      | 22-10-2026        | 02:10-03:00        | Lecture Oral Surgery     | Odontogenic Infection            | Dr Noor-Ul-Ain |
| Monday        | 26-10-2026        | 10:20-11:10        | Lecture Oral Surgery     | Management of Radio+Chemotherapy | Dr Fatima      |
| Tuesday       | 27-10-2026        | 09:30-10:20        | Lecture Oral Surgery     | ATLS                             | Dr Fatima      |
| Thursday      | 29-10-2026        | 02:10-03:00        | Lecture Oral Surgery     | Oral Pathological Lesion         | Dr Shoaib      |
| Friday        | 30-10-2026        | 08:30-09:30        | <b>Test Oral Surgery</b> |                                  |                |
| Monday        | 02-11-2026        | 10:20-11:10        | Lecture Oral Surgery     | Oral Pathological Lesion         | Dr Shoaib      |
| Tuesday       | 03-11-2026        | 09:30-10:20        | Lecture Oral Surgery     | Oral Pathological Lesion         | Dr Shoaib      |
| Thursday      | 05-11-2026        | 02:10-03:00        | Lecture Oral Surgery     | Reconstruction of Jaw            | Dr Shoaib      |
| Tuesday       | 10-11-2026        | 09:30-10:20        | Lecture Oral Surgery     | Middle third of face             | Dr Noor-Ul-Ain |
| Thursday      | 12-11-2026        | 02:10-03:00        | Lecture Oral Surgery     | Middle third of face             | Dr Noor-Ul-Ain |
| Friday        | 13-11-2026        | 08:30-09:30        | <b>Test Oral Surgery</b> |                                  |                |
| <b>Monday</b> | <b>23-11-2026</b> | <b>09:00-12:00</b> | <b>Oral Surgery</b>      |                                  |                |
| Tuesday       | 24-11-2026        | 09:30-10:20        | Lecture Oral Surgery     | Middle third of face             | Dr Shoaib      |
| Thursday      | 26-11-2026        | 02:10-03:00        | CBL Oral Surgery         | Mandibular Trauma                | Dr Noor-Ul-Ain |
| Monday        | 30-11-2026        | 10:20-11:10        | Lecture Oral Surgery     | Middle third of face             | Dr Shoaib      |
| Tuesday       | 01-12-2026        | 09:30-10:20        | Lecture Oral Surgery     | Middle third of face             | Dr Shoaib      |
| Thursday      | 03-12-2026        | 02:10-03:00        | CBL Oral Surgery         | Mandibular Trauma                | Dr Noor-Ul-Ain |
| Friday        | 04-12-2026        | 08:30-09:30        | <b>Test Oral Surgery</b> |                                  |                |
| Monday        | 07-12-2026        | 10:20-11:10        | Lecture Oral Surgery     | Mandibular Trauma                | Dr Noor-Ul-Ain |
| Tuesday       | 08-12-2026        | 09:30-10:20        | Lecture Oral Surgery     | Condylar Trauma                  | Dr Noor-Ul-Ain |



|          |            |             |                          |                                      |                |
|----------|------------|-------------|--------------------------|--------------------------------------|----------------|
| Thursday | 10-12-2026 | 02:10-03:00 | Lecture Oral Surgery     | Dentoveolar fracture                 | Dr Usman       |
| Monday   | 14-12-2026 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |                |
| Monday   | 14-12-2026 | 10:20-11:10 | Lecture Oral Surgery     | TMJ Disorder                         | Dr Noor-Ul-Ain |
| Tuesday  | 15-12-2026 | 09:30-10:20 | Lecture Oral Surgery     | TMJ Disorder                         | Dr Noor-Ul-Ain |
| Thursday | 17-12-2026 | 02:10-03:00 | Lecture Oral Surgery     | Facial Neuropathy                    | Dr Shoaib      |
| Monday   | 21-12-2026 | 09:30-10:20 | <b>Test Oral Surgery</b> |                                      |                |
| Monday   | 21-12-2026 | 10:20-11:10 | Lecture Oral Surgery     | Facial Neuropathy                    | Dr Shoaib      |
| Tuesday  | 22-12-2026 | 09:30-10:20 | Lecture Oral Surgery     | Orofacial Cleft                      | Dr Fatima      |
| Thursday | 24-12-2026 | 02:10-03:00 | Lecture Oral Surgery     | Orofacial Cleft                      | Dr Fatima      |
| Monday   | 28-12-2026 | 10:20-11:10 | Lecture Oral Surgery     | Dentofacial deformity                | Dr Shoaib      |
| Tuesday  | 29-12-2026 | 09:30-10:20 | Lecture Oral Surgery     | Dentofacial deformity                | Dr Shoaib      |
| Thursday | 31-12-2026 | 02:10-03:00 | Lecture Oral Surgery     | Dentofacial deformity                | Dr Shoaib      |
| Friday   | 01-01-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |                |
| Monday   | 04-01-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman       |
| Tuesday  | 05-01-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima      |
| Thursday | 07-01-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib      |
| Monday   | 11-01-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |                |
| Monday   | 11-01-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman       |
| Tuesday  | 12-01-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima      |
| Thursday | 14-01-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib      |
| Monday   | 18-01-2027 | 09:30-10:20 | <b>Test Oral Surgery</b> |                                      |                |
| Monday   | 18-01-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman       |



|           |            |             |                          |                                      |           |
|-----------|------------|-------------|--------------------------|--------------------------------------|-----------|
| Tuesday   | 19-01-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima |
| Thursday  | 21-01-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib |
| Monday    | 25-01-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman  |
| Tuesday   | 26-01-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima |
| Thursday  | 28-01-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib |
| Friday    | 29-01-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |           |
| Monday    | 01-02-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman  |
| Tuesday   | 02-02-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima |
| Thursday  | 04-02-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib |
| Friday    | 05-02-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |           |
| Monday    | 08-02-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman  |
| Tuesday   | 09-02-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima |
| Thursday  | 11-02-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib |
| Friday    | 12-02-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |           |
| Monday    | 15-02-2027 | 10:20-11:10 | Lecture Oral Surgery     | Medicolegal consideration            | Dr Usman  |
| Tuesday   | 16-02-2027 | 09:30-10:20 | Lecture Oral Surgery     | G.A Sedation                         | Dr Fatima |
| Thursday  | 18-02-2027 | 02:10-03:00 | Lecture Oral Surgery     | Hospitalized patient + Post Op. care | Dr Shoaib |
| Friday    | 19-02-2027 | 08:30-09:30 | <b>Test Oral Surgery</b> |                                      |           |
| Wednesday | 03-03-2027 | 09:00-12:00 | <b>Oral Surgery</b>      | Complete Syllabus                    |           |
| Thursday  | 04-03-2027 | 9:00 - 3:00 | <b>Oral Surgery</b>      | Complete Syllabus                    |           |



**FACILITATORS (ORAL SURGERY)**

| Sr. # | Name                        | Designation         | Department   |
|-------|-----------------------------|---------------------|--------------|
| 1     | Dr. Noor Ul Ain Arshad      | Professor           | Oral Surgery |
| 2     | Dr. Muhammad Shoaib         | Assistant Professor | Oral Surgery |
| 3     | Dr. Fatima Aziz             | Senior Registrar    | Oral Surgery |
| 4     | Dr. Sahar Hussain Bangash   | Demonstrator        | Oral Surgery |
| 5     | Dr. Muhammad Zeeshan Haider | Demonstrator        | Oral Surgery |
| 6     | Dr.Saima Riaz               | Demonstrator        | Oral Surgery |



## ORAL SURGERY -- COURSE LEARNING OBJECTIVES

| Sr. No. | Title / Topic                                               | Learning Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | T&L Strategy        | Assessment Tool |
|---------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| 1       | <b>Basic Principles of Oral &amp; Maxillofacial Surgery</b> | <ul style="list-style-type: none"> <li>Describe the scope of oral and maxillofacial surgery, and the principles of sterilisation and cross-infection control.</li> <li>Perform a relevant patient assessment, and describe the principles of informed consent and patient confidentiality.</li> <li>Identify surgical instruments and armamentarium, and describe the principles of flap design, sutures and suturing techniques.</li> <li>Describe techniques of biopsy and cytology, and the appropriate use of antimicrobials in oral and maxillofacial surgery.</li> </ul> <p>Apply radiography and imaging modalities to treatment planning in oral and maxillofacial surgery.</p> | Interactive lecture | MCQs            |
| 2       | <b>Local Anesthesia &amp; Conscious Sedation</b>            | <ul style="list-style-type: none"> <li>Describe the indications and contraindications for local anaesthesia and conscious sedation in oral surgery.</li> <li>Describe the pharmacology of common agents used for local anaesthesia, conscious sedation and relative analgesia.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               | Interactive lecture | MCQs            |



| Sr. No. | Title / Topic                              | Learning Objective                                                                                                                                                                                                                                                                                                                                                                                                                    | T&L Strategy                                 | Assessment Tool    |
|---------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------|
|         |                                            | <ul style="list-style-type: none"> <li>Describe the surgical anatomy of the trigeminal nerve and injection techniques for administering local anaesthesia.</li> </ul> <p>Recognise the complications of local anaesthesia and of conscious sedation/relative analgesia, and their management.</p>                                                                                                                                     |                                              |                    |
| 3       | <b>General Anesthesia</b>                  | <ul style="list-style-type: none"> <li>Assess fitness for anaesthesia, including recognition of normal and abnormal cardiovascular and respiratory signs.</li> <li>Describe the principles of premedication, anaesthetic and analgesic medication.</li> <li>Describe techniques for endotracheal intubation, tracheostomy and cricothyroidotomy.</li> </ul> <p>Describe postoperative patient care following general anaesthesia.</p> | Interactive lecture                          | MCQs               |
| 4       | <b>Exodontia</b>                           | <ul style="list-style-type: none"> <li>State the indications and contraindications for tooth extraction.</li> <li>Perform forceps extractions and describe the principles of use of surgical elevators.</li> </ul> <p>Describe the technique of surgical extraction and the complications of tooth extraction.</p>                                                                                                                    | Interactive lecture / Clinical demonstration | MCQs / OSCE / OSVE |
| 5       | <b>Impacted Cuspids &amp; Wisdom Teeth</b> | <ul style="list-style-type: none"> <li>Define terminology and apply classification systems for impacted teeth.</li> </ul>                                                                                                                                                                                                                                                                                                             | Interactive lecture                          | MCQs               |



| Sr. No. | Title / Topic                | Learning Objective                                                                                                                                                                                                                                                                                                        | T&L Strategy        | Assessment Tool |
|---------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
|         |                              | <ul style="list-style-type: none"> <li>Interpret radiographic assessment of impacted teeth and state the indications and contraindications for their removal.</li> </ul> <p>Describe surgical techniques for removal of impacted cuspids and wisdom teeth, and their complications.</p>                                   |                     |                 |
| 6       | <b>Jaw Cysts</b>             | <ul style="list-style-type: none"> <li>Classify jaw cysts, including odontogenic and non-odontogenic cysts.</li> <li>Describe the salient histopathological features of common jaw cysts and their diagnosis.</li> </ul> <p>Describe the surgical treatment of jaw cysts, including marsupialisation and enucleation.</p> | Interactive lecture | MCQs            |
| 7       | <b>Periapical Surgery</b>    | <ul style="list-style-type: none"> <li>Define terminology and state the indications and contraindications for periapical surgery.</li> </ul> <p>Describe surgical techniques for periapical surgery and their complications.</p>                                                                                          | Interactive lecture | MCQs            |
| 8       | <b>Preprosthetic Surgery</b> | <ul style="list-style-type: none"> <li>Define terminology and describe the goals of preprosthetic surgery.</li> </ul> <p>Describe specific hard- and soft-tissue preprosthetic procedures, including their indications, advantages and complications.</p>                                                                 | Interactive lecture | MCQs            |



| Sr. No. | Title / Topic                          | Learning Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T&L Strategy        | Assessment Tool |
|---------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| 9       | <b>Maxillary Antrum</b>                | <ul style="list-style-type: none"> <li>Describe the surgical anatomy of the maxillary antrum.</li> </ul> <p>Describe oro-antral fistula and common pathological lesions of the maxillary antrum, and their management.</p>                                                                                                                                                                                                                                                                                                                                   | Interactive lecture | MCQs            |
| 10      | <b>Spread of Oral Infection</b>        | <ul style="list-style-type: none"> <li>Describe periapical abscess and cellulitis, and the spread of oral infection through the tissue spaces of the jaws and neck.</li> <li>Describe the intracranial complications of oral infection.</li> </ul> <p>Describe the principles of management of odontogenic infections.</p>                                                                                                                                                                                                                                   | Interactive lecture | MCQs            |
| 11      | <b>Oral &amp; Maxillofacial Trauma</b> | <ul style="list-style-type: none"> <li>Describe the surgical anatomy of the facial skeleton, and the aetiology and presentation of maxillofacial trauma.</li> <li>Assess head injuries using the Glasgow Coma Scale and identify indications for surgical intervention.</li> <li>Assess associated injuries to the spine, thorax and abdomen in the trauma patient.</li> <li>Describe the emergency and definitive management of soft tissue injuries of the head and neck, dental injuries, mandibular fractures, and fractures of the mid-face,</li> </ul> | Interactive lecture | MCQs            |



| Sr. No. | Title / Topic                     | Learning Objective                                                                                                                                                                                                                                                                                                                                                                                                       | T&L Strategy        | Assessment Tool |
|---------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
|         |                                   | zygomatic complex and naso-ethmoid region.<br>Describe the complications of maxillofacial injuries.                                                                                                                                                                                                                                                                                                                      |                     |                 |
| 12      | <b>Temporomandibular Joint</b>    | <ul style="list-style-type: none"> <li>Describe the surgical anatomy of the temporomandibular joint (TMJ).</li> <li>Describe TMJ pain and dysfunction, internal derangement, and other acquired abnormalities.</li> <li>Describe congenital abnormalities of the TMJ, especially ankylosis, and the principles of their management.</li> </ul> <p>Recognise the complications of surgical intervention on the TMJ.</p>   | Interactive lecture | MCQs            |
| 13      | <b>Oncology</b><br>Oral neoplasia | <ul style="list-style-type: none"> <li>Describe tumors of the oral cavity, jaws and associated tissues, including odontogenic tumors, oral squamous cell carcinoma and lymphomas.</li> <li>Describe the principles of operative treatment of oral and maxillofacial tumors, including reconstruction.</li> </ul> <p>Describe the principles of radiotherapy and chemotherapy and their effects on orofacial tissues.</p> | Interactive lecture | MCQs            |



| Sr. No. | Title / Topic                  | Learning Objective                                                                                                                                                                                                                                                                                                                             | T&L Strategy        | Assessment Tool |
|---------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| 14      | <b>Salivary Glands</b>         | <ul style="list-style-type: none"> <li>Describe diseases of the salivary glands, including sialoadenitis and sialolithiasis.</li> <li>Describe benign and malignant tumors of the salivary glands.</li> </ul> <p>Describe the means of investigation, operative treatment and complications of surgical procedures on the salivary glands.</p> | Interactive lecture | MCQs            |
| 15      | <b>Orofacial Pain</b>          | Describe the common causes of orofacial pain, their diagnosis and management, with special emphasis on trigeminal neuralgia.                                                                                                                                                                                                                   | Interactive lecture | MCQs            |
| 16      | <b>Orthognathic Surgery</b>    | <ul style="list-style-type: none"> <li>Describe the means of assessment and diagnosis for orthognathic surgery.</li> </ul> <p>Describe the principles of surgical treatment and postoperative care and follow-up.</p>                                                                                                                          | Interactive lecture | MCQs            |
| 17      | <b>Developmental Anomalies</b> | <ul style="list-style-type: none"> <li>Describe cleft lip and palate and head and neck deformity.</li> </ul> <p>Describe the principles of dental and surgical management of developmental anomalies.</p>                                                                                                                                      | Interactive lecture | MCQs            |
| 18      | <b>Dental Implants</b>         | <ul style="list-style-type: none"> <li>Describe patient assessment and options for implant placement.</li> </ul> <p>Describe surgical procedures for implant placement, and postoperative care and follow-up.</p>                                                                                                                              | Interactive lecture | MCQs            |



| Sr. No. | Title / Topic                                                                                     | Learning Objective                                                                                                                                                                                                                                                                                                                                                                                                                                   | T&L Strategy        | Assessment Tool |
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| 19      | <b>Management of Medically Compromised Patients</b>                                               | <ul style="list-style-type: none"> <li>Describe the oral presentation of systemic disease and oral surgical management of medically compromised patients, with special emphasis on cardiovascular disease, respiratory disorders, diabetes mellitus, immunosuppression and blood dyscrasias.</li> </ul> <p>Describe the management of medical emergencies in oral surgery.</p>                                                                       | Interactive lecture | MCQs            |
| 20      | <b>Clinical Assignments</b><br>Exodontia clinics, OPD, minor oral surgery, OT sessions, ward work | <ul style="list-style-type: none"> <li>Perform exodontia and assist in minor oral surgery procedures under supervision in the exodontia clinics.</li> <li>Attend out-door clinics in Oral &amp; Maxillofacial Surgery and correlate clinical findings with diagnosis and treatment planning.</li> </ul> <p>Participate in operation theatre sessions and ward work, observing and assisting in major oral and maxillofacial surgical procedures.</p> | 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. Killey's Fractures of the Middle Third of the Facial Skeleton — P. Banks
2. Contemporary Oral and Maxillofacial Surgery — J. Peterson, Tucker, Edward Ellis
3. Killey's Fractures of the Mandible — P. Banks
4. Oral & Maxillofacial Surgery — John Peddler
5. Minor Oral Surgery — Geoffrey L. Howe
6. An Outline of Oral Surgery, Part I and II — Killey, Seward & Kay
7. Medical Problems in Dentistry — Scully & Cawson
8. Oral & Maxillofacial Surgery — Laskin
9. Oral & Maxillofacial Surgery — Kruger
10. Pain & Anxiety Control for the Conscious Dental Patient — Meechan JG, Robb ND, Seymour RA (Oxford University Press, 1998)
11. Colour Atlas of Dental Analgesia and Sedation — Roberts GL, Rosenbaum NL
12. General Anaesthesia and Sedation in Dentistry — Hill CM & Morris PJ
13. Handbook of Nitrous Oxide and Oxygen Sedation — Clark MS & Brunick AL (Mosby, 1999)
14. Resuscitation Handbook — Baskett PKF (1989)

