

Course Description Form

1. Course Name:	
Oral and Maxillofacial surgery	
2. Course Code: ZUDE0406	
3. Semester / Year:	
Annual	
4. Description Preparation Date:	
2025-2026	
5. Available Attendance Forms:	
Lectures (Theory) + clinical (Practical, Weekly)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours (Theoretical) +120 hours (clinical). (one theoretical hour and four practical hours /week)	
7. Course administrator's name (mention all, if more than one name)	
Name: Haider jehad kheder Email: Hader_000222@yahoo.com	
8. Course Objectives	
Course Objectives	-Teaching the students of oral surgery principles , how to study such subjects, details of each subjects and the influence of property on clinical aspect; knew how to deal with simple and surgical extraction , how to deal and provide management for patient with chronic disease (medically compromised patient) and how to manage intra and post-operative surgical complications.
9. Teaching and Learning Strategies	
Strategy	1. Use PowerPoint lectures. 2. Method of debate and discussion. 3. Education in clinic to acquire scientific skills. 4. Reports and projects. 5. Student groups and work shop 6. Scientific trips. 7. Oral discussions

10.Course Structure (Theory)

Week	Hours	Subject Title	Required learning outputs	Teaching Method	Assessment Method
First Semester					
1	1 hr. Theory	Cardiovascular diseases	Hypertension, Ischemic heart diseases, Heart failure	Power Point	Quiz
2	1 hr. Theory	Cardiac arrhythmia Rheumatic fever and rheumatic heart disease Infective endocarditis Congenital heart disease	Dental management Oral manifestations	Power Point	Quiz
3	1 hr. Theory	Bleeding disorder	Hemophilia ✓ Von Willebrand's disease ✓ Thrombocytopenia ➤ Blood dyscrasias ➤ Disorders of the RBCs • Anemia and polycythemia • Dental management ➤ WBCs Disorders • Leukemia, Lymphoma, Burkitt's Lymphoma and Multiple Myeloma	Power Point	Quiz
4	1 hr. Theory	Endocrinology	Thyroid diseases • Dental management of hyper- and hypothyroidism • Oral complications and manifestations ➤ Adrenal insufficiency • Dental management of Adrenocortical insufficiency and adrenal crisis • Dental management of Adrenocortical hyperfunction • Oral complications and manifestations ➤ Diabetes Mellitus • Dental management of the patient with diabetes mellitus	Power Point	Quiz
5	1 hr. Theory	Pulmonary diseases	Chronic obstructive pulmonary diseases (COPD) • Dental management	Power Point	Quiz

			• Oral complications and manifestations ➤ Asthma • Dental management • Management of asthmatic attack • Oral complications and manifestations ➤ Tuberculosis • Dental management • Oral complications and manifestations		
6	1 hr. Theory	Liver Diseases	Viral hepatitis • Dental management • Oral manifestations and complications ➤ Alcoholic liver disease • Dental management • Oral complications and manifestations	Power Point	Quiz
7	1 hr. Theory	Chronic kidney disease and dialysis	Chronic kidney disease • Dental management ✓ Patients receiving conservative care ✓ Dialysis ✓ Renal transplant • Oral complications and manifestations	Power Point	Quiz
8	1 hr. Theory	Neurologic disorders	Epilepsy • Dental management • Oral complications and manifestations ➤ Cerebrovascular accidents (stroke) • Medical management • Dental management	Power Point	Quiz
9	1 hr. Theory	Pregnancy	Dental management • Medical considerations ✓ Dental radiographs ✓ Drugs in pregnancy	Power Point	Quiz

			• Oral manifestations and complications Treatment timing		
10	1 hr. Theory	AIDS and HIV infection	Oral manifestations • Dental managements: ✓ Asymptomatic patient. ✓ Symptomatic patient. ✓ Patient with severe symptoms	Power Point	Quiz
11	1 Hr. Theory	Rheumatologic and connective tissue disorders	Rheumatoid arthritis ✓ Dental management ✓ Oral manifestations and complications • Dental management of patients with prosthetic joint	Power Point	Quiz
12	1 Hr. Theory	Allergy	Dental management • Oral complications and manifestations	Power Point	Quiz
13	1 Hr. Theory	Patients on radiotherapy and chemotherapy	Patients on radiotherapy ✓ Radiation effects on normal tissues in the path of the external beam ✓ Dental Management • Patients on chemotherapy ✓ The effect of chemotherapy on normal tissues ✓ Dental management	Power Point	Quiz
14 +15	3 Hrs. Theory	Odontogenic infections and fascial space infections	Odontogenic Infections • Spread of odontogenic infections • The factors that influence the spread of odontogenic infections Fascial space infections • Infection of spaces in relation to the lower jaw • Infections of spaces in relation to the upper jaw • Cavernous sinus thrombosis Principles of treatment of odontogenic infections • Principles for the use of appropriate antibiotics • Sinus formation	Power Point	Quiz

			• Necrotizing fasciitis		
Second Semester					
1	1 Hr. Theory	Principles of Flaps, suturing and management of difficult extraction	Flaps in oral cavity • Incision • Flap design • Types of Mucoperiosteal Flaps • Flap reflection ➤ Suturing • Suture Materials • Needles • Needle Holder • Tissue Forceps Suture Scissor • Principles of suturing • Suturing Techniques	Power Point	Quiz
2	1 Hr. Theory	Management of difficult extraction	The main indications for surgical extraction of teeth are • Steps of surgical extraction • Indications for leaving root fragments • Multiple Extractions • Extraction sequencing	Power Point	Quiz
3	1 Hr. Theory	Principles of management of impacted teeth	Definition and stages of eruption • Impacted lower third molars ✓ Indications for removal of impacted lower third molars ✓ Classification of impacted lower third molars ✓ Clinical examination ✓ Radiographic examination and assessment ✓ Surgical extraction of lower third molar ✓ Complications ✓ Other lines of treatment	Power Point	Quiz
4	1 Hr. Theory	Impacted upper third molars	Surgical extraction ✓ Complications • Impacted maxillary canine ✓ Classification ✓ Clinical examination ✓ Radiographic examination and assessment ✓ Options of treatment	Power Point	Quiz

5	1 Hr. Theory	Impacted mandibular canines	Impacted lower premolars • Impacted maxillary premolars • Impacted first and second molars • Buried deciduous molars • Supernumerary teeth • Dilacerated incisors	Power Point	Quiz
6	1 Hr. Theory	Surgical aids to orthodontics	Corticotomy assisted orthodontic treatment and labial • Labial frenectomy. • Temporary skeletal anchorage	Power Point	Quiz
7 +8	2 Hrs. Theory	Principles of endodontic surgery	Definition • Indications for periapical surgery • Contraindications for periapical surgery • Important considerations in periapical surgery • Factors Associated with Success and Failures in Periapical Surgery Surgical procedure • Determination of success • Microsurgical technique To perform biopsy or not	Power Point	Quiz
9	1Hr. Theory	Osteomyelitis and osteonecrosis of the jaw	Osteomyelitis • Definition. • Classification • Etiology and pathogenesis • Clinical presentation • Diagnostic imaging • Microbiology • Treatment: surgical, antimicrobial and hyperbaric oxygen • Other types of osteomyelitis: infantile, focal and diffuse sclerosing and Garre's sclerosing osteomyelitis	Power Point	Quiz
10	1 Hr. Theory	Radiation induced osteomyelitis and osteoradionecrosis	Definition • Etiology • Stages • Treatment	Power Point	Quiz

		s	• Prevention ➤ Medication related osteonecrosis of the jaw • Definition • Pathophysiology • Clinical presentation and staging • Imaging • Treatment • Prevention		
11+12	2 Hrs. Theory	Dental Implants: Basic Concepts and Techniques	Implant Geometry (Macrodesign) • Implant Surface Characteristics (Microdesign) • Hard Tissue Interface • Soft Tissue–Implant Interface • Biomechanical Considerations • Preoperative Assessment and Treatment Planning (hard tissue evaluation, soft tissue evaluation, radiographic examination) Surgical Treatment Planning Considerations • Final Treatment Planning • Basic Implant Surgical Procedures • One-Stage versus Two-Stage Implant Placement Surgery • Implant Stability • Complications • Implant Components • Defining implant outcomes	Power Point	Quiz
13	1 Hr. Theory	Biopsy in oral and maxillofacial surgery	Medical History • History of the lesion • Examination • Biopsy Principles • Contraindication • Excisional Biopsy • Incisional Biopsy • Surgical technique Differential Diagnosis	Power Point	Quiz

14	1Hr. Theory	Diagnostic imaging in oral and maxillofacial surgery	Classification: Invasive and Non-invasive • Types of non-invasive imaging • Conventional radiography (Plain x-ray) • Ultrasonography (USG): • Computed tomography scanning (CT scan): Spiral CT, Cone Beam CT (CBCT) • Magnetic resonance imaging (MRI) • MRI vs. CT scan • Radionuclide (scintigraphy or skeletal scan) • Positron emission tomography (PET) Scan • PET-CT • Single Photon Emission Computed Tomography (SPECT) scan	Power Point	Quiz
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10.Course Structure (Practical)					
Week	Hours	Required learning outputs	Subject Title	Teaching Method	Assessment Method
First Semester					
1-15	60 Hrs. Practical			Dental extraction	Case sheet
Second Semester					
1-15	60 Hrs. Practical			Dental extraction	Case sheet
11. Course Evaluation					
• 20 Marks for each semester (first and second semester (courses)) First course: 12.5 marks Theoretical including two exams, homework, reports, quizzes + 7.5 marks in practical part. Second course: 12.5 marks Theoretical including two exams, homework, reports, quizzes + 7.5 marks in practical part. • 20 Marks: Practical Final exam • 40 Marks: Theoretical Final Exam					

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Contemporary oral and maxillofacial surgery
Electronic References, Websites	Journals of oral and maxillofacial surgery