

Course Title	Oral Surgery V				
Course Code	DES520				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> Cycle)				
Year / Semester	5 <sup>th</sup> year / 9 <sup>th</sup> Semester				
Teacher's Name	TBA				
ECTS	2	Lectures / week	1 hr / 13 weeks + exam week	Clinic / week	2 hrs / 13 weeks
Course Purpose and Objectives	<p><b>Purpose:</b> Oral Surgery V is the course with clinical oral surgery practice. The course comprised of amphitheater lectures, clinical skill-stations, problem based learning modules, and hospital clinical training. This course aims to provide a motivating learning environment in which the students may acquire the surgical knowledge and the technical skills necessary for their clinical practice.</p> <p><b>Objectives:</b> The objective of the course is to familiarize students with instruments and materials in oral surgery and autogenous bone, patient evaluation, local and anesthesia, the surgical procedure, extraction complicated teeth, introduction to dental implant, treatment plan and placement, infection of the oral and maxillofacial region, and to enable the student to acquire knowledge and skills necessary of treating oral surgery and basic maxillofacial surgery problems.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the most important aspects of anatomy and physiology applied to oral surgery.</li> <li>• Perform and record, a dental examination, mucous membranes and other structures of the mouth.</li> <li>• Describe the specific findings of the history and examination of the patient, which may influence surgical therapy</li> <li>• Describe techniques intra and extraoral radiology</li> <li>• Be competent to conduct an evaluation of data from the clinical history and establish a differential diagnosis, identify the factors contributing formulate a proper treatment plan and establish the prognosis</li> </ul>				

	<ul style="list-style-type: none"> <li>• Identify understand and manage barrier methods and clothing used in oral surgery</li> <li>• Explain the basic principles of oral maxillofacial surgery</li> <li>• Describe and recognize the principles of diagnosis of oral and maxillofacial infections</li> <li>• Recognize assesment infections of the oral and maxillofacial region</li> <li>• Describe the autogenous bone harvesting technique</li> <li>• Identify understand and treat traumatic dental injuries</li> <li>• Identify understand and manage instruments and materials most frequently used in oral surgery</li> <li>• Make recommendations and postoperative follow-up care</li> <li>• List the types and characteristics of different incisions and sutures common oral surgery.</li> <li>• Discuss the principle of dental implant placement surgical procedure</li> <li>• Identify the types of dental implants and specifications</li> <li>• Perform the treatment plan of dental implant placement</li> </ul>		
Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> <li>• MEDICAL EMERGENCY CASES AND DISEASES Prevention, Management of: Chest pain ,Cardiac arrest , Respiratory Difficulty, Altered Consciousness Hypoglycemia, Anaphylaxis , Seizures, The automated external defibrillator</li> <li>• INFECTIONS OF THE ORAL AND MAXILLOFACIAL REGION part I Principles of diagnosis of oral and maxillofacial infections, Odontogenic infections, Fascial space infections , Osteomyelitis of the jaw , dental fistulae,</li> <li>• INFECTIONS OF THE ORAL AND MAXILLOFACIAL REGION partII Infection of the maxillary sinus, Oroantral communication and fistula , Peritonsillar abscess , Suppurative arthritis of the temporomandibular joint , Complications of maxillofacial infections, Infections of oral and maxillofacial wounds , Oral and perioral viral infections</li> <li>• TRAUMATIC DENTAL INJURIES Examination and diagnosis of dental injuries, Radiographic examination, Classification and clinical findings, Treatment: infraction, Crown fracture, Crown-root fracture, Root fracture, Subluxation, Lateral luxation. Extrusive luxation (extrusion), Intrusive luxation (intrusion). Avulsion. Complications.</li> </ul>		

	<ul style="list-style-type: none"> <li>• <b>AUTOGENOUS BONE HAVESTING TECHNIQUE</b> Introduction, choosing a harvest site based upon anticipated volumetric and structural needs, Intraoral harvesting sites, mandibular symphysis, mandibular ramous and retromolar area, maxillary tuberosity, zygomatic bone, Extraoral harvesting sites, iliac crest, costochondral grafts, Calvarium, Tibia Fibula.</li> <li>• <b>BRIEF HISTORY AND INTRODUCTION TO DENTAL IMPLANTOLOGY, TYPES OF IMPLANTS, SPECIFICATIONS OF IMPLANTS.</b> When did dental implant placement start, Getting to know old types of dental implants, Who invented dental implants, Who invented cylindrical dental implants.</li> <li>• <b>ADVANTAGES AND DISADVANTAGES OF DENTAL IMPLANTS - INDICATIONS AND CONTRAINDICATIONS.</b> Why dental implants, To whom, When, What type, Problems of missing teeth, Medical and dental indications and contraindications.</li> <li>• <b>TREATMENT PLAN AND DIAGNOSTICS FOR DENTAL IMPLANTS,</b> Patient selection, Factors that affect our decision, Intraoral and general factors, Risk factors, Visual examination, Study models, Diagnostic imaging, Discussion with the patient.</li> <li>• <b>DENTAL IMPLANT PLACEMENT SURGICAL PROCEDURE WITH AND WITHOUT PRP OR CGF,</b> Surgical procedure for simple implant placement, Post-operative care, Introduction to the use of PRP and CGF in implant placement.</li> <li>• <b>CLINICAL PRACTICE</b> <ul style="list-style-type: none"> <li>• The students are assessed by a final written exam comprised of multiple choice questions and short clinical problems. The acquired clinical skills are tested with Objective Structured Clinical Examinations (OSCEs). Team based clinical problem analysis with oral presentation as well as lab &amp; class participation are also graded.</li> </ul> </li> </ul>
Teaching Methodology	Face-to-face
Bibliography	<p>Andersson L, Kahnber K-E, Pogrel MA. Oral and Maxillofacial Surgery. Hoboken, New Jersey: Wiley Blackwell, 2010.</p> <p>Kademani D, Tiwana PS. Atlas of Oral and Maxillofacial Surgery. Philadelphia: Saunders Elsevier, 2016.</p>

	<p>Hupp JR, Tucker MR, Ellis E. Contemporary Oral and Maxillofacial Surgery. St. Louis: Mosby, 2013.</p> <p>Miloro M, Ghali GE, Larsen PE, Waite PD. Peterson's Principles of Oral and Maxillofacial Surgery. Beijing: People's Publishing Medical House, 2014.</p> <p>Bagheri SC. Clinical Review of Oral and Maxillofacial Surgery. St. Louis: Mosby, 2013.</p>										
<p>Assessment</p>	<table border="1"> <tr> <td data-bbox="408 622 884 703">Final Examination</td> <td data-bbox="884 622 1469 703">60%</td> </tr> <tr> <td data-bbox="408 703 884 743">Clinical skills exam / OSCE</td> <td data-bbox="884 703 1469 743">30%</td> </tr> <tr> <td data-bbox="408 743 884 784">Assignment / clinical problem</td> <td data-bbox="884 743 1469 784"></td> </tr> <tr> <td data-bbox="408 784 884 824">Participation and attendance</td> <td data-bbox="884 784 1469 824">10%</td> </tr> <tr> <td data-bbox="408 824 884 869"></td> <td data-bbox="884 824 1469 869">100%</td> </tr> </table>	Final Examination	60%	Clinical skills exam / OSCE	30%	Assignment / clinical problem		Participation and attendance	10%		100%
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<p>Language</p>	<p>English</p>										