



Jordan University of Science and Technology
Faculty of Dentistry
Dental Surgery Department

DENT585 Oral And Maxillofacial Surgery (1)
First Semester 2021-2022

Course Catalog
<p>2 Credit Hours. The aim of this course is to introduce the final year dental student to advanced Topics in Oral Maxillofacial Surgery that go beyond the scope of the 3rd and 4th year courses in exodontia and dentoalveolar surgery. It will include information dealing with the complications of oro-facial diseases and trauma, and will discuss the treatment of these conditions. Descriptions of new techniques for the management of dental and oro-facial problems may also be included when relevant. This course will address competencies each student is required to master prior to completion of the course study. Specifically, students will be encouraged to:</p> <ol style="list-style-type: none"> 1. Utilize ethical reasoning in the practice of dentistry 2. Utilize critical thinking and scientific knowledge in decision making involved in patient care 3. Assess a patients medical, psychological and social history as it relates to dental treatment 4. Communicate effectively with other professionals regarding the care of patients 5. Order, obtain and interpret appropriate dental radiographs 6. Differentiate normal from altered oral soft tissues and determine the need for additional diagnostic information. <p>This course is designed to provide the final year dental student with a basic knowledge in the fundamental principles of Oral & Maxillofacial Surgery. There will be a special emphasis on the surgical aids to prosthetic rehabilitation, dento-maxillofacial injuries, and dentofacial deformities. The dental aspects cleft lip and palate patients and other craniofacial abnormalities will also be discussed. During the second semester basic principles of the surgical management of TMJ disorders, mouth and jaw tumours, and salivary gland disorders. Surgical correction of dentofacial deformities and facial aesthetic surgery will also be covered.</p>

Text Book	
Title	Contemporary Oral and Maxillofacial Surgery
Author(s)	James Hupp, Edward Ellis III, and Myron Tucker
Edition	6th Edition
Short Name	contemporary OMFS
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Peterson	Peterson's Principles of Oral and Maxillofacial Surgery,	by Michael Miloro and, GE Ghali	3rd Edition	

Instructor	
Name	Dr. Fadi Jarab
Office Location	-
Office Hours	
Email	fsjarab@just.edu.jo

Class Schedule & Room
<p>Section 1: Lecture Time : Mon : 13:30 - 14:30 Room: NG76</p>

Teaching Assistant
Taiseer Al Khateeb(), Anwar Bataineh(), Saleh Al Qadi(), Mosab Abed(), Zaid Al Tamimi()

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to the course	
Week 2	Soft tissue and dentoalveolar injuries	
Week 3	Initial management of trauma	
Week 4	Management of facial fractures I	
Week 5	Management of facial fracturesII	
Week 6	Management of facial fractures III	
Week 7	Management of dentofacial deformities I	
Week 8	Management of dentofacial deformities II	
Week 9	Management of dentofacial deformities III	
Week 10	Management of cleft lip and palate I	

Week 11	Management of cleft lip and palate II	
Week 12	Preprosthetic surgery / pre implant surgery	
Week 13	Implant treatment- advanced and complex cases	
Week 14	Facial cosmetic surgery	
Week 15	Course review, revision , answers	
Week 16	Mid Term Exam (20%) theory	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
-Summarize facial skeletal anatomy relevant to blunt trauma -Recognize classic blunt trauma fracture patterns and variants -State advantages and limitations of CT in facial imaging after trauma -Summarize signs and symptoms of fractures of the facial skeleton -Summarize imaging techniques to confirm clinical diagnosis of fractures of the facial skeleton -Show methods of reduction and fixation for management of fractures of the facial skeleton -Define the terms neurapraxia, neurotmesis, axontomesis	40%	
-Outline the various orthognathic and facial cosmetic surgical options to correct malocclusion and cosmetic problems -Outline the various reconstructive surgical options to replace missing maxillofacial tissues and organs -Summarize the reconstructive ladder and the various flap type -Outline the basic principles of bone grafting and microvascular free tissue transfer -	20%	
-Memorize the embryology and anatomy of the lips and palate -Recognize the sequence of treatment of CLP throughout the development stages -Illustrate the various surgical procedures used to repair clefts of lip and palate	15%	
-Describe soft tissue and osseous conditions of the residual alveolar ridges which will require surgical intervention -Describe the biological considerations of implant Osseointegration	15%	
-outline various surgical cosmetic procedures in head and neck -list the non-surgical cosmetic options in the face - recognize the indications and contraindications for each	10%	

Relationship to Program Student Outcomes (Out of 100%)														
Taking History and clinical Examination for complete or partial denture patients Primary impressions	Border molding using tracing compound and secondary impressions using ZOE impression material	Jaw registration	Wax-try-in	Insertion of finished dentures	Professionalism	Infection control	Comprehensive dental care	Dental Caries	Operative dentistry	Endodontics	Restoration of badly broken teeth	Knowledge-pediatric dentistry	Written assignments	Clinical skills pediatric dentistry

Evaluation	
Assessment Tool	Weight
Midterm theory	20%
clinically oriented quizzes	5%
clinical log book evaluation	15%
clinical competency exam	15%
oral (VIVA)	15%
final theory	30%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the dean, No Electronics or Hard copies of materials shall be spotted at exam halls under students responsibility
Attendance	Expected to attend more than 90% of lectures and clinics separately student absence will be dealt with as the university rules
Tooth extraction competency examination	Description of examination: Timing : start at first week of second semester The student selects a patient requiring extraction of at least one tooth. He presents his patient to examiner highlighting the chief complaint, PMH and clinical findings. He then presents treatment plan, discuss instrumentation and armamentarium, and obtains informed consent. He performs the extraction of the tooth requiring removal, with possible interrupted suturing. He then provides post-operative medications and instructions to the patient. Grading: Clinical Instructor grades each presentation using the attached form. Students must pass all sections. Automatic failure in the examination occurs if the student does not provide a safe and effective plan for treatment, or there is a vital necessity for Instructor intervention. Criteria for evaluation: refer to the the exam Form

Student Responsibilities	<p>1. Adherence to the following dress code:</p> <ol style="list-style-type: none"> Wearing of clean white coat preferably covered by surgical gown (provided by the student) Wearing of protective eye goggles (provided by the student) Wearing of a facial mask Wearing of occlusive low-heel shoes Hair: <ol style="list-style-type: none"> Ladies: either covered or smartly tied as a pony-tail? Gentlemen: smartly trimmed and combed Fingernails: must be trimmed, No nail polish is allowed No jewelry (hand or leg) is allowed All students are expected to maintain a reasonable level of personal cleanness, and oral hygiene Non-compliant students will not be allowed in the clinic <p>2. Attending all lectures and clinical sessions</p> <p>Students who are late by more than 15 minutes will not be allowed in the lecture or clinic and will be counted as ABSENT</p> <ol style="list-style-type: none"> Completing all written and reading assignments. Completing all clinical exercises. Successfully completing all written examinations, quizzes and practical examinations. Extraction of at least TEN teeth, preferably: <ol style="list-style-type: none"> One upper anterior On upper premolar One upper 3rd molar (nonsurgical) 2 upper molars One lower anterior One lower premolar 2 lower molars One lower 3rd molar (nonsurgical) 																								
Assessment	<table border="1"> <thead> <tr> <th>Assessment Type</th> <th>Expected Due Date</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>midterm Exam</td> <td>End of 1st semester</td> <td>20%</td> </tr> <tr> <td>Overall clinical performance evaluation</td> <td>Throughout 1st and 2nd semesters</td> <td>15%</td> </tr> <tr> <td>Clinically Oriented Quizzes</td> <td>Anytime</td> <td>5%</td> </tr> <tr> <td>Final Written examination</td> <td>End of 2nd semester</td> <td>30%</td> </tr> <tr> <td>Tooth extraction Competency examination</td> <td>Start at 2nd semester</td> <td>15%</td> </tr> <tr> <td>Oral examination (viva)</td> <td>Week 14-16 of 2nd semester</td> <td>15%</td> </tr> <tr> <td>sum</td> <td></td> <td>100%</td> </tr> </tbody> </table>	Assessment Type	Expected Due Date	Weight	midterm Exam	End of 1st semester	20%	Overall clinical performance evaluation	Throughout 1st and 2nd semesters	15%	Clinically Oriented Quizzes	Anytime	5%	Final Written examination	End of 2nd semester	30%	Tooth extraction Competency examination	Start at 2nd semester	15%	Oral examination (viva)	Week 14-16 of 2nd semester	15%	sum		100%
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Useful Resources	<ol style="list-style-type: none"> Peterson's Principles of Oral and Maxillofacial Surgery, by Michael Miloro and, GE Ghali Oral and Maxillofacial Clinics of North America Journal of Oral and Maxillofacial Surgery International Journal of Oral and Maxillofacial Surgery Dental Clinics of North America Journal of American Dental Association British Dental Journal Maxillofacial trauma and esthetic facial reconstruction. Ward Booth P, Epley BL, Schmelzeisen R (editors), 2nd ed., 2012, Saunders. St. Louis, Missouri Oral & Maxillofacial Surgery. Fonseca RJ (editor). 2nd ed. 209, Saunders. St. Louis, Missouri The American Association of Oral and Maxillofacial Surgeons, website: http://www.aaoms.org/ British Association of Oral and Maxillofacial Surgeons, website: http://www.baoms.org.uk/ The International Association of Oral and Maxillofacial Surgeons, website: http://www.iaoms.org/ 																								

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