



Course Specifications

Institution:	College of dentistry
Academic Department:	Department of Maxillofacial Surgery & Diagnostic Sciences
Program	BDS
Course:	Clinical Oral Surgery I (313 MDS)
Course Coordinator :	Maher Aboelgheit
Program Coordinator:	Abdul Rahman Al Atram
Course Specification Approved Date :	16/ 3 / 1437 H



A. Course Identification and General Information

1 - Course title :	Clinical Oral Surgery I	Course Code:	313 MDS
2. Credit hours :	4 hours		
3 - Program(s) in which the course is offered:	Dentistry		
4 – Course Language :	English		
5 - Name of faculty member responsible for the course:	Maher Aboelgheit		
6 - Level/year at which this course is offered :	3 rd year		
7 - Pre-requisites for this course (if any) :	<ul style="list-style-type: none"> • 213 MDS 		
8 - Co-requisites for this course (if any) :			
9 - Location if not on main campus :	(Al Zulfi)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="30 %"/>
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="10 %"/>
D - e-learning	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="5 %"/>
E - Correspondence	<input type="checkbox"/>	What percentage?	<input type="text"/>
F - Other	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="55 %"/>
Comments :	Using smart board, attractive Audio-visual Aids and practical demonstration		

B) Objectives:

What is the main purpose for this course?
 This course is an introduction to diagnosis and treatment of minor oral surgery cases. The students get to practice clinically application of local anesthesia and perform minor oral surgical procedures that are essential for the general practitioner such as simple extraction and harvesting biopsy from oral lesions. The principles of diagnosing and management of severe oral infections , Diagnosis and management of medically compromised and medical emergency in dentistry , maxillary sinus problems , salivary gland diseases , TMJ disorders , dental implant are also discussed in this course.

Briefly describe any plans for developing and improving the course that are being implemented :
 Revision of all courses of the college related to oral and maxillofacial surgery, to avoid repeating any topics to save time to other new topics or give time to the already existing topics to be teach in more details to the students .



C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
1st Semester		
<ul style="list-style-type: none"> ➤ Infection Control in Surgical Practice <ul style="list-style-type: none"> • Introduction • Terminology and Concepts • Sterilization and Disinfection • Surgical Staff Preparation • Clean versus sterile Technique • Sharps Management 	1	1
<ul style="list-style-type: none"> ➤ Preoperative health status evaluation <ul style="list-style-type: none"> • History and Physical Examinations • Common Health Conditions • Routine Review of Maxillofacial Regions ,Cardiovascular and Respiratory Systems • (ASA)Classification • General Anxiety-Reduction Protocol 	2	1
<ul style="list-style-type: none"> ➤ Revision on LA techniques (part 1) <ul style="list-style-type: none"> • Definition • General L.A injection considerations • Types of L.A injection procedures 	3	1
<ul style="list-style-type: none"> ➤ Revision on LA techniques (part 2) <ul style="list-style-type: none"> • Maxillary anaesthesia • Mandible anaesthesia • L.A complications 	4	1
<ul style="list-style-type: none"> ➤ Revision on exodontia techniques (part 1) <ul style="list-style-type: none"> • Indication and contraindication for exodontia • Clinical evaluation of teeth for removal • Radiographic examination of teeth for removal • Patient and dentist position • Forceps and elevator extraction 	5	1
<ul style="list-style-type: none"> ➤ Revision on exodontia techniques (part 2) <ul style="list-style-type: none"> • Modification for extraction of 1ry teeth • Definition, Indication and contraindication of surgical extraction • Steps of extraction of complicated teeth and roots • Post extraction instructions and care of socket 	6	1
<ul style="list-style-type: none"> ➤ Management of Medically Compromised Patients (part 1) <ul style="list-style-type: none"> • Angina pectoris patient • Myocardial infarction • Congestive heart failure • Hypertension 	7	1



<ul style="list-style-type: none"> • Coagulopathy • Asthma • COPD 		
1st Midterm Exam	8	
<ul style="list-style-type: none"> ➤ Management of Medically Compromised Patients (part 2) <ul style="list-style-type: none"> • Renal disease • Hepatic problem • Diabetes • Adrenal suppression • Hyperthyroidism • Seizure • Pregnancy 	9	1
<ul style="list-style-type: none"> ➤ Wound Repair <ul style="list-style-type: none"> • Causes of tissue damage • Stages of Wound Healing • Factors That Impair Wound Healing • Types of Healing • Healing of Extraction Sockets 	10	1
<ul style="list-style-type: none"> ➤ Principles of Surgery (Part 1) <ul style="list-style-type: none"> • Introduction • Incisions • Surgical flap • Tissue handling and hemostasis • Dead space and edema control • Decontamination and debridement 	11	1
<ul style="list-style-type: none"> ➤ Principles of Surgery (Part 2) <ul style="list-style-type: none"> • Types of flaps • Types of suturing materials and packing • Types of needle • Types of common suturing techniques 	12	1
<ul style="list-style-type: none"> ➤ Instrumentation for Basic Oral Surgery (part 1) Instruments used in <ul style="list-style-type: none"> • Incising tissue and elevating the mucoperiosteum • Retracting and grasping soft tissue • Controlling hemorrhage • Removing bone • Removing soft tissue from bony cavities 	13	1
<ul style="list-style-type: none"> ➤ Instrumentation for Basic Oral Surgery (part 2) Instruments used in : <ul style="list-style-type: none"> • Suturing soft tissue • Holding the mouth open • Suctioning • Holding towels and drapes in position • Irrigation • Exodontia 	14	1



2nd Semester		
➤ Principles of Differential Diagnosis and Biopsy <ul style="list-style-type: none"> • History and clinical examination of lesion • Biopsy definition • Indication of biopsy • Types and technique of biopsy • Final diagnosis 	15	1
➤ Principles of endodontic surgery <ul style="list-style-type: none"> • Definition • Indication and contraindication • Surgical technique • Root end filling materials • Complications 	16	1
➤ Medical Emergencies in Dental Clinic (part 1) <ul style="list-style-type: none"> • Introduction • patient medical history • determination of medical risk • Emergency drug box and equipment 	17	1
➤ Medical Emergencies in Dental Clinic (part 2) <ul style="list-style-type: none"> • Vasovagal syncope • Anaphylactic shock • Seizure • Stroke • Diabetic emergency • Adrenal insufficiency 	18	1
➤ Medical Emergencies in Dental Clinic (part 3) <ul style="list-style-type: none"> • Hyperventilation • Acute asthma • Choking and aspiration • Hypertensive crisis • Angina / Myocardial infarction • cardiac arrest 	19	1
➤ Odontogenic diseases of the maxillary sinus I <ul style="list-style-type: none"> • Embryology and anatomy • Clinical examination of the maxillary sinus • Radiographic examination of the maxillary sinus • Non-odontogenic infections of maxillary sinus • Odontogenic infections of the maxillary sinus 	20	1
➤ Odontogenic diseases of the maxillary sinus II <ul style="list-style-type: none"> • Treatment of maxillary sinusitis • Antral pseudocysts • Complications of oral surgery involving maxillary sinus • Oroantral Communications • Oroantral Fistulae 	21	1
2nd Midterm Exam	22	



<p>➤ Principles of Management and Prevention of Odontogenic Infections.(part 1)</p> <ul style="list-style-type: none"> • Introduction • Causes and types of infection • Spread of infection • Phases and fate of infection • Diagnosis of infection • General management of patient with infection 	23	1
<p>➤ Principles of Management and Prevention of Odontogenic Infections.(part 2)</p> <ul style="list-style-type: none"> • Common infection in the mouth • Fascial spaces infection(Anatomy, Etiology, Clinical Presentation and Treatment) 	24	1
<p>➤ Principles of Management and Prevention of Odontogenic Infections.(part 3)</p> <ul style="list-style-type: none"> • Ludwig's angina • Osteomyelitis • Chronic infection of jaws 	25	1
<p>➤ Diagnosis and management of salivary gland disorders</p> <ul style="list-style-type: none"> • Embryology, anatomy and physiology of salivary glands • Diagnostic modalities of salivary glands • Salivary gland swellings • Sialolithiasis • Traumatic salivary gland injuries • Complications of salivary gland surgery 	26	1
<p>➤ Dental Implants (part 1)</p> <ul style="list-style-type: none"> • Introduction • Types of dental implant • Indication and contraindication • Classification of dental implants • Basic components 	27	1
<p>➤ Dental Implants (part 2)</p> <ul style="list-style-type: none"> • Osseointegration • Requirements of successful implant • Treatment planning • Failure of dental implant 	28	1
<p>➤ TMJ disorder</p> <ul style="list-style-type: none"> • Anatomy of the temporomandibular joint • Evaluation of TMJ • Classification of TMJ Disorders • TMJ problems treatment • TMJ surgery 	29	1



2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	1st semester	14	.....	.....	42	.....	56
	2nd semester	14			42		56
Credit	1st semester	1			1		2
	2nd semester	1	.....	.....	1	.....	2

3. Additional private study/learning hours expected for students per week.

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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Know how to give administer local anesthesia.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.
1.2	Know how to extract teeth under local anesthesia.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.
1.3	Gain knowledge about management of medically compromised patient during oral surgery and how to deal with different medical emergencies in dental clinic.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.4	Gain knowledge about how to manage maxillary sinus diseases.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.
1.5	Understand the role of oral surgeon in management of oral and maxillofacial infections.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.
1.6	Describe and understand management of salivary gland and TMJ problems.	Lectures, textbook, articles, discussion, audiovisual, live demonstration & clinical exposure	MCQs exams, short assay exams & quizzes.
2.0	Cognitive Skills		
2.1	Students will be able to select and use appropriate dental extraction instruments .	Textbooks, websites, seminars & clinical demonstrations.	Written exam and oral quizzes, questioning, review test & performance notice.
2.2	Students will be able to apply a critical thinking to suggest the differential diagnosis of various oral surgical problems	Textbooks, websites, seminars & clinical demonstrations.	Written exam and oral quizzes, questioning, review test & performance notice.
2.3	Students will be able to perform treatment plan for patient need dental extraction of various types of teeth which are indicated for extraction.	Textbooks, websites, seminars & clinical demonstrations.	Written exam and oral quizzes, questioning, review test & performance notice.
2.4	Student should be able to deal with dental extraction cases with different medical problems .	Textbooks, websites, seminars & clinical demonstrations.	Written exam and oral quizzes, questioning, review test & performance notice.
3.0	Interpersonal Skills & Responsibility		
3.1	Students will work in groups of two, dentist and assistant.	Eye to eye contacts and group works.	Group discussions and clinical observation
3.2	Students will do group projects, presentations and research.	Group works and presentations.	Group discussions and presentation evaluation.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
4.0	Communication, Information Technology, Numerical		
4.1	Consent forms, subjective examination, and explanation of treatment plan to the patients.	Using attractive Audiovisual Aids. Justifications and brief descriptions	Clinical observation, reviewing patient file.
4.2	Communication with each other and with the teaching staff.	Using attractive Audiovisual Aids. Justifications and brief descriptions	Clinical observation, reviewing patient file.
4.3	Using computer patient file recording .	Using attractive Audiovisual Aids. Justifications and brief descriptions	Clinical observation, reviewing patient file.
5.0	Psychomotor		
5.1	Take medical history for oral surgery patient.	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.
5.2	Use the skills of local anaesthesia administration with different techniques.	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.
5.3	Use different surgical extraction instruments .	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.
5.4	Deal with patient during dental extraction .	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.
5.5	Develop skills to extract remaining roots and carious teeth .	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.
5.6	Assist in minor surgical operations and perform local intraoral flaps.	Demonstration and supervision.	Case presentation, treatment plan, clinical observation, reviewing patient file.





5. Schedule of Assessment Tasks for Students During the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Midterm exam	6	15%
2	Clinical assessment	During 1st and 2nd semester	25%
3	Behavior and attitude	During 1st and 2nd semester	5%
4	Research	3	2%
5	Quiz	During 1st and 2nd semester	2%
6	Presentation	7-8	1%
7	Oral clinical exam	9	10%
8	Final clinical exam	15	10%
9	Final written exam	16	30%
10	Total		100%

D. Student Academic Counseling and Support

Students are supported by academic guidance during office hours and provide them with guidance and advice, as well as scientific knowledge of students' problems and how to solve it.

E. Learning Resources

1. List Required Textbooks :

- Contemporary oral and maxillofacial surgery 6th edition
- Local anaesthesia handbook by malamed, 6th edition

2. List Essential References Materials :

- Contemporary oral and maxillofacial surgery 6th edition
- Oral surgery by fragiskos ,1st edition
- Local anaesthesia handbook by malamed, 6th edition

3. List Recommended Textbooks and Reference Material :

- Oral surgery by fragiskos ,1st edition
- Textbook of general and oral surgery





4. List Electronic Materials :

- www.pubmed.com.
- Majma,ah university site (mu.edu.sa)

5. Other learning material :

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F. Facilities Required

1. Accommodation

- A class room with a seating capacity of 20 students, equipped with a projector and smart board.
- A well-equipped dental clinics to work with patients under supervision.

2. Computing resources

- Computer classroom.
- Internet connection.

3. Other resources

- Practical demonstration
- Equipped dental units.
- Surgical instruments for clinical sessions.

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- Make questionnaires.
- Perform theoretical examination.
- Make seminars.

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

Assess the teacher's abilities and potentials by observations and assistance from colleagues, independent assessment of standards achieved by students, independent advice on assignment tasks.

3 Processes for Improvement of Teaching :

- Updating the educational process, involving in research
- Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self-improvement.





4. Processes for Verifying Standards of Student Achievement

- Make quiz , midterm and final examinations.
- Make clinical evaluation to assess the student skill progress.
- Perform a questionnaire to evaluate the student's experience.

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- Prepare work sheet for review; refresh the previous knowledge, and panel discussions.

Course Specification Approved Department Official Meeting No (1) Date 17 / 11 / 1436 H

Course's Coordinator


Name : Maher Aboelgheit

Signature :

Date : 16/ 11 / 1436 H

Department Head

Name : Mouetaz Kheirallah

Signature : 

Date : 17/ 11 / 1436 H

