

Republic of Yemen
Ministry of Higher Education & Scientific Research
Emirates International University



Faculty of Dentistry
Department of Oral Surgery
Doctor of Dental Surgery

Course Specification of Oral Surgery II (clinical)

Course No. ()



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Review committee:

Head of the Department

Quality Assurance head

Dean of Faculty



I. Course Identification and General Information:

1	Course Title:	Oral Surgery II (clinical)			
2	Course Code & Number:				
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	1	3	--
4	Study Level/ Semester at which this Course is offered:	4 th Level / 1 nd Semester			
5	Pre –Requisite (if any):	Oral Surgery I (pre-clinical)			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Doctor of Dental Surgery			
8	Language of Teaching the Course:	English			
9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Dentistry			
12	Prepared by:	Dr. Sam Da'er			

II. Course Description:

This two credit hours course consists of two parts; theory and clinical. The theoretical part is designed to provide dental students with basic knowledge related to oral surgery. The practical part provide. students with skills needed to administer local anesthesia and manage dental extraction case. It covers all forms of odontogenic infections (soft and osseous tissues), recognize basic types of infection abscesses of orofacial region, infection of fascial spaces and pathways of odontogenic infection spreading

III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program		
A. Knowledge and Understanding:		I, A or E		
a1	Describe the basic facts, concepts and techniques needed for the diagnosis and treatment of basic oral surgeries and exodontia and recognize the cause, mechanism and route of spread of odontogenic infection and the principles of its treatment within the scope of general dentist, endodontic surgery and dentoalveolar surgery performed by oral and maxillofacial surgeons			A2
a2	Describe the causes, diagnosis and management of myofacial pain, and bone disease.			A2
a3	Know the principles of differential diagnosis of different oral surgical pathologies.			A4
B. Intellectual Skills:				
b1	Make and formulate an appropriate treatment plan as well as justify it if challenged.			B1
b2	Select suitable materials as well as instruments to perform exodontia and basic oral surgical procedures and make appropriate prescription of drugs while monitoring their effectiveness and safety.			B5
b3	Interpret, analyze, and correlate clinical laboratory data and special investigations to help formulate a proper relevant treatment plans			B4

C. Professional and Practical Skills:			
c1	Properly perform exodontia and basic minor oral surgery procedures including removal of roots, simple wisdom teeth, apisectomy and proper suturing technique		C1
c2	Consider appropriately patients' rights, particularly with regard to confidentiality and valid consent, and of patients' obligations		C4
c3	Perform a clinical examination of the bone disease and assist in relevant surgical procedures.		C7
c4	Prepare and assist biopsy procedure as incorporated into general practice		C7
D. Transferable Skills:			
d1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients		D3
d2	praise lifelong learning, problem solving and information technology skills, critical thinking, self-assessment and continuous professional development		D1

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:		
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
a1	<ul style="list-style-type: none"> ▪ Lectures ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam

	treatment within the scope of general dentist, endodontic surgery and dentoalveolar surgery performed by oral and maxillofacial surgeons		
a2	Describe the causes, diagnosis and management of myofacial pain, and bone disease.	<ul style="list-style-type: none"> ▪ Lectures ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam
a3	Know the principles of differential diagnosis of different oral surgical pathologies.	<ul style="list-style-type: none"> ▪ Lectures ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam

(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1	Make and formulate an appropriate treatment plan as well as justify it if challenged.	<ul style="list-style-type: none"> ▪ Lectures ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Practical Exams ▪ Semester work ▪ Oral exam
b2	Select suitable materials as well as instruments to perform exodontia and basic oral surgical procedures and make appropriate prescription of drugs while monitoring their effectiveness and safety.	<ul style="list-style-type: none"> ▪ Lectures ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Practical Exams ▪ Semester work ▪ Oral exam
b3	Interpret, analyze, and correlate clinical laboratory data and special investigations to help formulate a proper relevant treatment plans	<ul style="list-style-type: none"> ▪ Lectures ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Practical Exams ▪ Semester work ▪ Oral exam

(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
c1	Properly perform exodontia and basic minor oral surgery procedures including removal of roots, simple wisdom teeth, apisectomy and proper suturing technique	<ul style="list-style-type: none"> ▪ Practical training ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work
c2	Consider appropriately patients' rights, particularly with regard to confidentiality and valid consent, and of patients' obligations	<ul style="list-style-type: none"> ▪ Practical training ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work
c3	Perform a clinical examination of the bone disease and assist in relevant surgical procedures.	<ul style="list-style-type: none"> ▪ Practical training ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work
c4	Prepare and assist biopsy procedure as incorporated into general practice	<ul style="list-style-type: none"> ▪ Practical training ▪ Demonstrations ▪ Discussions 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients	<ul style="list-style-type: none"> ▪ Discussion ▪ Brainstorming 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work
d2	praise lifelong learning, problem solving and information technology skills, critical thinking, self-assessment and continuous professional development	<ul style="list-style-type: none"> ▪ Discussion ▪ Brainstorming 	<ul style="list-style-type: none"> ▪ Direct observation ▪ Practical Exams ▪ Semester work

IV. Course Contents:					
A. Theoretical Aspect:					
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Preprosthetic surgery I	Introduction, objective of ideal alveolar ridge, diagnosis, & preventive procedures.	1 st , 2 nd	2	a1, b1
2	Preprosthetic surgery II	Alveolar ridge atrophy, corrective procedures & augmentation	3 rd , 4 th	2	a1, b1
3	Endodontic surgery	Definition, Indication and contraindication, Surgical technique, Root end filling materials & Complications	5 th	1	a1, b1
4	Soft tissue and Dentoalveolar injuries	Types, etiology, diagnosis & management	6 th	1	a1, b1
5	Radiography in omfs intraoral and extraoral techniques	Types, indication, advantage, disadvantage & technique	7 th	1	a2
6	Midterm Exam		8 th	1	a1-a2, b1
7	Odontogenic infections part I	Introduction, Causes and types of infection, Spread of infection, Phases and fate of infection, Diagnosis of infection & General management of patient with infection	9 th	1	a2, b1
6	Odontogenic infections part II	Common infection in the mouth, Fascial spaces infection(Anatomy, Etiology, Clinical Presentation and Treatment) & complication	10 th , 11 th	2	a1, b1, b2
7	Neurological Disorders of the Maxillofacial area	Etiology, character of pain neuralgias, differential diagnosis & myofascial pain management	12 th , 13 th	2	a2, b2
8	Surgical pathology:	Introduction. Causes, compare between	14 th	1	

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
	Bone disease Part I	mandible and maxilla, classification.			
9	Surgical pathology: Bone disease part II	Surgical management and osteoradionecrosis	15 th	1	a3, b2
10	Final Exam		16 th	1	a1-a3, b1, b2
Number of Weeks /and Units Per Semester			16	16	

B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	Infection Control in Surgical Practice	1 st	3	c1-c4, d1-d2
2	- Preoperative health status evaluation - Revision on LA techniques - Exodontia techniques - Principles of Surgery - Medical Emergencies in Dental Clinic	2 nd -14 th	39	c1-c4, d1-d2
3	Practical exam	15 th	3	c1-c4, d1-d2
Number of Weeks /and Units Per Semester		14	45	

V. Teaching Strategies of the Course:

- Lectures
- Debate
- Training
- Discussion
- Brainstorming



VI. Assessment Methods of the Course:

- Quizzes
- Midterm Exam
- Final Exam
- Practical Exam
- Semester work
- Direct observation
- Oral Exam

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Requirements	1 st -14 th	10	c1-c4, d1-d2
Total			10	

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Quizzes	4 th , 12 th	10	10%	a1-a3, b1
2	Midterm exam	8 th	20	20%	a1-a2, b1
3	Practical exam	15 th	10	10%	c1-c4, d1-d2
4	Oral exam	15 th	10	10%	a1-a3, b1, b2
5	Requirements	1 st -14 th	10	10%	c1-c4, d1-d2
6	Final theory	16 th	40	40%	a1-a3, b1, b2
Total			100	100%	

IX. Learning Resources:

1- Required Textbook(s) (maximum two):

- 1- James Hupp, Edward Ellis and Myron Tucker, 2013, Contemporary Oral and Maxillofacial Surgery, 6th edition . Slsevier

2- Lars Andersson, Karl-Erik Kahnberg and M. Anthony Pogrel, 2010, Oral and Maxillofacial Surgery. Wiley Blackwell
2- Essential References:
1- Peterson L, Ellis E, Hupp J, Tucker M., 2008, Contemporary Oral and Maxillofacial Surgery. 5th Edition, 2- .Fragiskos. D Fragiskos., 2007 Oral Surgery. Springer.
3- Electronic Materials and Web Sites etc.:
https://www.joms.org https://www.journals.elsevier.com/international-journal-of-oral-and-maxillofacial-surgery

X. Course Policies: (Based on the Uniform Students' By law (2007))	
1	Class Attendance: Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	Exam Attendance/Punctuality: No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	Cheating: Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	Other policies: The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

Faculty of Dentistry

Department of Oral Surgery

Doctor of Dental Surgery

Course Plan (Syllabus) of Oral Surgery II (clinical)

Course No. ()

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:		Office Hours					
Location & Telephone No.:							
E-mail:		SAT	SUN	MON	TUE	WED	THU



II. Course Identification and General Information:

1	Course Title:	Oral Surgery II (clinical)			
2	Course Code & Number:				
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	1	3	--
4	Study Level/ Semester at which this Course is offered:	4th Level / 1nd Semester			
5	Pre –Requisite (if any):	Oral Surgery I (pre-clinical)			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Doctor of Dental Surgery			
8	Language of Teaching the Course:	English			
9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Dentistry			
12	Prepared by:	Dr. Sam Da'er			

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IV. Course Intended Learning Outcomes (CILOs) :

Upon successful completion of the Course, student will be able to:

A. Knowledge and Understanding:	
a1	Describe the basic facts, concepts and techniques needed for the diagnosis and treatment of basic oral surgeries and exodontia and recognize the cause, mechanism and route of spread of odontogenic infection and the principles of its treatment within the scope of general dentist, endodontic surgery and dentoalveolar surgery performed by oral and maxillofacial surgeons
a2	Describe the causes, diagnosis and management of myofacial pain, and bone disease.
a3	Know the principles of differential diagnosis of different oral surgical pathologies.
B. Intellectual Skills:	
b1	Make and formulate an appropriate treatment plan as well as justify it if challenged.
b2	Select suitable materials as well as instruments to perform exodontia and basic oral surgical procedures and make appropriate prescription of drugs while monitoring their effectiveness and safety.
b3	Interpret, analyze, and correlate clinical laboratory data and special investigations to help formulate a proper relevant treatment plans
C. Professional and Practical Skills:	
c1	Properly perform exodontia and basic minor oral surgery procedures including removal of roots, simple wisdom teeth, apisectomy and proper suturing technique
c2	Consider appropriately patients' rights, particularly with regard to confidentiality and valid consent, and of patients' obligations
c3	Perform a clinical examination of the bone disease and assist in relevant surgical procedures.
c4	Prepare and assist biopsy procedure as incorporated into general practice
D. Transferable Skills:	
d1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients
d2	praise lifelong learning, problem solving and information technology skills, critical thinking, self-assessment and continuous professional development

V. Course Contents:				
A. Theoretical Aspect:				
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Preprosthetic surgery I	Introduction, objective of ideal alveolar ridge, diagnosis, & preventive procedures.	1 st , 2 nd	2
2	Preprosthetic surgery II	Alveolar ridge atrophy, corrective procedures & augmentation	3 rd , 4 th	2
3	Endodontic surgery	Definition, Indication and contraindication, Surgical technique, Root end filling materials & Complications	5 th	1
4	Soft tissue and Dentoalveolar injuries	Types, etiology, diagnosis & management	6 th	1
5	Radiography in omfs intraoral and extraoral techniques	Types, indication, advantage, disadvantage & technique	7 th	1
6	Midterm Exam		8 th	1
7	Odontogenic infections part I	Introduction, Causes and types of infection, Spread of infection, Phases and fate of infection, Diagnosis of infection & General management of patient with infection	9 th	1
6	Odontogenic infections part II	Common infection in the mouth, Fascial spaces infection(Anatomy, Etiology, Clinical Presentation and Treatment) & complication	10 th , 11 th	2
7	Neurological Disorders of the Maxillofacial area	Etiology, character of pain neuralgias, differential diagnosis & myofascial pain management	12 th , 13 th	2
8	Surgical pathology: Bone disease Part I	Introduction. Causes, compare between mandible and maxilla, classification.	14 th	1
9	Surgical pathology: Bone disease part II	Surgical management and osteoradionecrosis	15 th	1

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
10	Final Exam		16 th	1
Number of Weeks /and Units Per Semester			16	16

B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	Infection Control in Surgical Practice	1 st	3
2	- Preoperative health status evaluation - Revision on LA techniques - Exodontia techniques - Principles of Surgery - Medical Emergencies in Dental Clinic	2 nd -14 th	39
3	Practical exam	15 th	3
Number of Weeks /and Units Per Semester		15	45

VI. Teaching Strategies of the Course:

- Lectures
- Debate
- Training
- Discussion
- Brainstorming

VII. Assessment Methods of the Course:

- Quizzes
- Midterm Exam
- Final Exam
- Practical Exam
- Semester work
- Direct observation
- Oral Exam

VIII. Assignments:

No.	Assignments	Week Due	Mark
1	Requirements	1st-14th	10
Total			10

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Quizzes	4 th , 12 th	10	10%
2	Midterm exam	8 th	20	20%
3	Practical exam	14 th	10	10%
4	Oral exam	14 th	10	10%
5	Requirements	1st-14th	10	10%
6	Final exam	16 th	40	40%
Total			100	100%

X. Learning Resources:

1-Required Textbook(s) (maximum two):

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Lars Andersson, Karl-Erik Kahnberg and M. Anthony Pogrel, 2010, Oral and Maxillofacial Surgery, Wiley

Blackwell
2- Essential References:
Peterson L, Ellis E, Hupp J, Tucker M., 2008, Contemporary Oral and Maxillofacial Surgery. 5th Edition, .Fragiskos. D Fragiskos., 2007 Oral Surgery. Springer.
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https://www.joms.org https://www.journals.elsevier.com/international-journal-of-oral-and-maxillofacial-surgery

XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

	Class Attendance:
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	Exam Attendance/Punctuality:
3	No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
	Assignments & Projects:
4	Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
	Cheating:
5	Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
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6	Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
	Other policies:
7	The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.