

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 I (pre-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 I (pre-clinical)			
2	Course Code & Number:				
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	2	--	--
4	Study Level/ Semester at which this Course is offered:	3 th Level / 2 st Semester			
5	Pre –Requisite (if any):	Local Anesthesia and Pain Control			
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:

The aim of this course is known the students about techniques for tooth extraction in upper and lower jaw, know mechanisms of normal extraction wound healing, therapy options for complications during and after tooth extraction. It covers the basic knowledge about Oral Surgery as they relate to the general practitioner of dentistry, also begin basic exodontia steps, as well as developing an understanding of aseptic techniques, local anesthetic and exodontia techniques / armentarium, and principles of tooth extraction

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.		A4
a2	Discuss the complications associated with basic oral surgical procedures.		A5
a3	Properly identify and diagnose those impacted teeth that require removal, describe surgical techniques for removal of impacted teeth and Discuss complications associated with surgical removal of impacted teeth		A2
a4	Describe the preprosthetic surgical procedures of the partially and completely edentulous patient and the role of general dentist, describe the various ridge augmentation procedures available to patients, endodontic surgery and dentoalveolar surgery performed by oral and maxillofacial surgeons and identify the role of oral and maxillofacial surgeons in implant placement		A6
B. Intellectual Skills:			
b1	Make and formulate an appropriate treatment plan as well as justify it if challenged.		B1, B3
b2	Select suitable materials and instruments to perform basic oral surgical procedures as well as prescribe different medications depending on the patient's needs.		B5

b3	Consider appropriately patients' rights, particularly with regard to confidentiality and obtaining a valid consent.			B4
C. Professional and Practical Skills:				
c1	Describe the principles of mucoperiosteal flap design and surgical removal of teeth			C7
c2	Consider and recommend the appropriate referral of patients for specialist advice or treatment			C5
D. Transferable Skills:				
d1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients			D3
d2	Manage patients with confidence, sympathy and understanding.			D6

(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 Describe the basic facts, concepts and techniques needed for the diagnosis and treatment of basic oral surgeries and exodontia.	<ul style="list-style-type: none"> ▪ Lectures ▪ Debate ▪ Discussion 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam
a2 Discuss the complications associated with basic oral surgical procedures.	<ul style="list-style-type: none"> ▪ Lectures ▪ Debate ▪ Discussion 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam
a3 Properly identify and diagnose those impacted teeth that require removal, describe surgical techniques for removal of impacted teeth and Discuss complications associated with	<ul style="list-style-type: none"> ▪ Lectures ▪ Debate ▪ Discussion 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm Exam ▪ Final Exam ▪ Oral exam

	surgical removal of impacted teeth		
(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"> ▪ Lecture ▪ Discussion 	<ul style="list-style-type: none"> ▪ Oral exam. ▪ Assignments
b2	Select suitable materials and instruments to perform basic oral surgical procedures as well as prescribe different medications depending on the patient's needs.	<ul style="list-style-type: none"> ▪ Lecture ▪ Discussion 	<ul style="list-style-type: none"> ▪ Oral exam. ▪ Assignments
(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	Describe the principles of mucoperiosteal flap design and surgical removal of teeth	<ul style="list-style-type: none"> ▪ Demonstration ▪ Debate ▪ Discussion 	<ul style="list-style-type: none"> ▪ Assignments
c2	Consider and recommend the appropriate referral of patients for specialist advice or treatment	<ul style="list-style-type: none"> ▪ Demonstration ▪ Debate ▪ Discussion 	<ul style="list-style-type: none"> ▪ Assignments
(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"> ▪ Homework
d2	Manage patients with confidence, sympathy and understanding.	<ul style="list-style-type: none"> ▪ Discussion ▪ Brainstorming 	<ul style="list-style-type: none"> ▪ Homework

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction	Instruments for incising tissue, Instruments for elevating mucoperiosteum, Instruments for retracting soft tissue, Instruments for controlling hemorrhage, Instruments for removing bone, Instruments for removing soft tissue, From bony defects, Instruments for suturing mucosa, Instruments for irrigation, Dental elevators & Extraction forceps	1 st , 2 nd	4	a1,b2
2	Infection Control in Surgical Practice	Introduction, Terminology and Sterilization and Disinfection, Surgical Staff Preparation, Clean versus sterile Technique. Sharps Management	3 rd , 4 th	4	a1
3	Principles of dental extraction I	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 th	2	a1,b1
4	Principles of dental extraction II	Modification for extraction of teeth, Definition, Indication, contraindication of surgical extraction, steps of extraction of complicated teeth and roots, Post extraction instructions and care of socket	6 th	2	a1,b1,b2
5	Patient Clerking	History and Physical Examinations, Common Health Conditions, Review of Maxillofacial Regions , cardiovascular and respiratory Systems, (ASA)Classification And general Anxiety-Reduction Protocol	7 th	2	a1 ,b2
6	Midterm Exam		8 th	2	a1, a2,b1,b2
7	Management of impacted teeth I	Definition, theory ,causes, diagnosis, classification of mandibular and maxillary	9 th	2	a1, a3

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		teeth impaction, and frequency of impacted teeth.			
8	Management of impacted teeth II	Factor effecting difficult or non-difficult, surgical technique and surgical exposure.	10 th	2	a3, b2
9	Suturing technique	Types of flaps, Types of suturing materials and packing, Types of needle, Types of common suturing techniques	11 th	2	a2, b2
10	Dental extraction complications	Definition, prevention, types, and management	12 th	2	a3, b2
11	Wound healing and postoperative management	Causes of tissue damage, Stages of Wound Healing, Factors That Impair Wound Healing, Types of Healing, and Healing of Extraction Sockets	13 th	2	a1, b2
12	Dental therapeutics: Antibiotics	Definition, classification, principles, common used in dentistry, effecting to medical compromised patient	14 th	2	a2, b1
13	Dental therapeutics: Analgesics	Definition, classification, indication and contraindication, effecting to medical compromised patient	15 th	2	a2, a3, b1
14	Final Exam		16 th	2	a1-a3, b1, b2
Number of Weeks /and Units Per Semester			16	32	

V. Teaching Strategies of the Course:

- Lectures
- Debate
- Discussion
- Brainstorming
- Self-independent learning



VI. Assessment Methods of the Course:

- Quizzes
- Midterm exam
- Final exam
- Assignment
- Oral exam

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Research about dental management of medically compromised patient	2 nd -15 th	10	c1,c2,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, b2
2	Midterm exam	8 th	20	20%	a1, a2,b1,b2
3	Assignments	2 nd -15 th	10	10%	c1,c2,d1,d2
4	Oral exam	16 th	10	10%	a1-a3, b1, b2
5	Final exam	16 th	50	50%	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. Wiely 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 and Surgery

Doctor of Dental Surgery

Course Plan (Syllabus) of Oral Surgery I (pre-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 I (pre-clinical)			
2	Course Code & Number:				
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	2	--	--
4	Study Level/ Semester at which this Course is offered:	3th Level / 2st Semester			
5	Pre –Requisite (if any):	Local Anesthesia and Pain Control			
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			

III. Course Description:

The aim of this course is known the students about techniques for tooth extraction in upper and lower jaw, know mechanisms of normal extraction wound healing, therapy options for complications during and after tooth extraction. It covers the basic knowledge about Oral Surgery as they relate to the general practitioner of dentistry, also begin basic exodontia steps, as well as developing an understanding of aseptic techniques, local anesthetic and exodontia techniques / armentarium, and principles of tooth extraction

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.
a2	Discuss the complications associated with basic oral surgical procedures.
a3	Properly identify and diagnose those impacted teeth that require removal, describe surgical techniques for removal of impacted teeth and Discuss complications associated with surgical removal of impacted teeth
B. Intellectual Skills:	
b1	Make and formulate an appropriate treatment plan as well as justify it if challenged.
b2	Select suitable materials and instruments to perform basic oral surgical procedures as well as prescribe different medications depending on the patient's needs
C. Professional and Practical Skills:	
c1	Describe the principles of mucoperiosteal flap design and surgical removal of teeth
c2	Consider and recommend the appropriate referral of patients for specialist advice or treatment
D. Transferable Skills:	
d1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients
d2	Manage patients with confidence, sympathy and understanding.

V. Course Contents:				
A. Theoretical Aspect:				
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction	Instruments for incising tissue, Instruments for elevating mucoperiosteum, Instruments for retracting soft tissue, Instruments for controlling hemorrhage, Instruments for removing bone, Instruments for removing soft tissue, From	1 st , 2 nd	4

V. Course Contents:				
A. Theoretical Aspect:				
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
		bony defects, Instruments for suturing mucosa, Instruments for irrigation, Dental elevators & Extraction forceps		
2	Infection Control in Surgical Practice	Introduction, Terminology and Sterilization and Disinfection, Surgical Staff Preparation, Clean versus sterile Technique. Sharps Management	3 rd , 4 th	4
3	Principles of dental extraction I	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 th	2
4	Principles of dental extraction II	Modification for extraction of teeth, Definition, Indication, contraindication of surgical extraction, steps of extraction of complicated teeth and roots, Post extraction instructions and care of socket	6 th	2
5	Patient Clerking	History and Physical Examinations, Common Health Conditions, Review of Maxillofacial Regions , cardiovascular and respiratory Systems, (ASA)Classification and general Anxiety-Reduction Protocol	7 th	2
6	Midterm Exam		8 th	2
7	Management of impacted teeth I	Definition, theory ,causes, diagnosis, classification of mandibular and maxillary teeth impaction, and frequency of impacted teeth.	9 th	2
8	Management of impacted teeth II	Factor effecting difficult or non-difficult, surgical technique and surgical exposure.	10 th	2
9	Suturing technique	Types of flaps, Types of suturing materials and packing, Types of needle, Types of common suturing techniques	11 th	2
10	Dental extraction	Definition, prevention, types, and management	12 th	2

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	complications			
11	Wound healing and postoperative management	Causes of tissue damage, Stages of Wound Healing, Factors That Impair Wound Healing, Types of Healing, and Healing of Extraction Sockets	13 th	2
12	Dental therapeutics: Antibiotics	Definition, classification, principles, common used in dentistry, effecting to medical compromised patient	14 th	2
13	Dental therapeutics: Analgesics	Definition, classification, indication and contraindication, effecting to medical compromised patient	15 th	2
14	Final Exam		16 th	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching Strategies of the Course:

- Lectures
- Debate
- Discussion
- Brainstorming
- Self-independent learning

VII. Assessment Methods of the Course:

- Quizzes
- Midterm exam
- Final exam
- Assignment
- Oral exam

VIII. Assignments:			
No.	Assignments	Week Due	Mark
1	Research about dental management of medically compromised patient	2nd-15th	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	Assignments	2 nd -15 th	10	10%
4	Oral exam	16 th	10	10%
5	Final exam	16 th	50	50%
Total			100	100%

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

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