

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 Periodontology IV

**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:	Periodontology IV			
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:	5 <sup>th</sup> Level / 1 <sup>st</sup> Semester			
5	Pre –Requisite (if any):	Periodontology III			
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. Manal Mohammed Al-Hajri			

## II. Course Description:

The course is advanced clinical periodontics course focuses on objectives of periodontal therapy, treatment planning & treatment techniques, including preprosthetic surgery, reconstructive and plastic surgery.



III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program		
<b>A. Knowledge and Understanding:</b>		I, A or E		
a1	Treatment strategies and how they meet periodontal health goals			A2
a2	Infection hazards and the key principles relating to standard infection control during surgical periodontal treatment.			A4
<b>B. Intellectual Skills:</b>				
b1	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth extraction versus treatment.			B3
b2	Construct preventive strategies at different levels according to the targeted individual and community needs			B4
b3	Establish a maintenance program to avoid recurrence of periodontal disease			B4
b4	Select a suitable periodontal techniques or instruments to be use in a specific clinical situation according to indications.			B5
<b>C. Professional and Practical Skills:</b>				
c1	Managing of any periodontal emergencies including acute conditions which may present in dental practice			C6
c2	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.			C2
c3	Examining and monitoring the oral soft and hard tissues to make the proper diagnosis of various diseases and abnormalities of periodontal tissues			C2
c4	Instructing and motivation of oral hygiene which consider one of the most critical and difficult elements of long-term success in periodontal therapy.			C7

c5	Performing a range of clinical procedures which are within the scope of general dentistry, including: a). Applications of preventive procedures. b). Application of different local anesthetic techniques. c). Diagnosis of commonly encountered oral lesions. d). Performance of the necessary radiographs			C7
c6	Applying current infection control guidelines.			C7
c7	Evaluating and monitoring the outcome of treatment using specific indices.			C7
<b>D. Transferable Skills:</b>				
d1	Work in collaboration as a member of an interdisciplinary team.			D3
d2	A adapt to continuous, self-development and long life learning to remain update with advancement in periodontal practice			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	Treatment strategies and how they meet periodontal health goals	Lectures Discussion	Midterm Exam Final Exam
a2	Infection hazards and the key principles relating to standard infection control during surgical periodontal treatment.	Lectures Discussion	Midterm Exam Final Exam

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

b1	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth extraction versus treatment.	Lectures exercise Debate Discussion	Midterm Exam Final Exam Practical Exams Semester work
b2	Construct preventive strategies at different levels according to the targeted individual and community needs	Lectures exercise	Midterm Exam Final Exam Practical Exams



		Debate Discussion	Semester work
b3	Establish a maintenance program to avoid recurrence of periodontal disease	Lectures exercise Debate Discussion	Midterm Exam Final Exam Practical Exams Semester work
b4	Select a suitable periodontal techniques or instruments to be use in a specific clinical situation according to indications.	Lectures exercise Debate Discussion	Midterm Exam Final Exam Practical Exams Semester work

**(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	Managing of any periodontal emergencies including acute conditions which may present in dental practice	exercise Debate	Direct observation Practical Exams Semester work
c2	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.	exercise Debate	Direct observation Practical Exams Semester work
c3	Examining and monitoring the oral soft and hard tissues to make the proper diagnosis of various diseases and abnormalities of periodontal tissues	exercise Debate	Direct observation Practical Exams Semester work
c4	Instructing and motivation of oral hygiene which consider one of the most critical and difficult elements of long-term success in periodontal therapy.	exercise Debate	Direct observation Practical Exams Semester work
c5	Performing a range of clinical procedures which are within the	exercise Debate	Direct observation Practical Exams Semester work



	scope of general dentistry, including: a). Applications of preventive procedures. b). Application of different local anesthetic techniques. c). Diagnosis of commonly encountered oral lesions. d). Performance of the necessary radiographs.		
c6	Applying current infection control guidelines.	exercise Debate	Direct observation Practical Exams Semester work
c7	Evaluating and monitoring the outcome of treatment using specific indices.	exercise Debate	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	Work in collaboration as a member of an interdisciplinary team.	Exercise Discussion Brainstorming Debate	Practical Exams Semester work
d2	A adapt to continuous, self-development and long life learning to remain update with advancement in periodontal practice	Exercise Discussion Brainstorming Debate	Practical Exams Semester work

**IV. Course Contents:**

**A. Theoretical Aspect:**

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	Periodontal Surgical Phase	<ul style="list-style-type: none"> <li>General Principles of Periodontal Surgery</li> <li>Surgical Anatomy of the Periodontium and Related Structures</li> </ul>	1 <sup>st</sup> -7 <sup>th</sup>	7	



No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		<ul style="list-style-type: none"> <li>Gingival Curettage</li> <li>The Gingivectomy Technique</li> <li>Treatment of Gingival Enlargement</li> <li>The Periodontal Flap</li> <li>The Flap Technique for Pocket Therapy</li> <li>Resective Osseous Surgery</li> <li>Regenerative Osseous Surgery</li> <li>Furcation: The Problem and Its Management</li> <li>The Periodontic-Endodontic Continuum</li> <li>Periodontal Plastic and Esthetic Surgery.</li> <li>Recent Advances in Surgical Technology</li> </ul>			
2	<b>Midterm exam</b>		8 <sup>th</sup>	1	a1, a2, b1,b2
3	Oral Implantology	<ul style="list-style-type: none"> <li>Biologic Aspects of Dental Implants</li> <li>Clinical Aspects of Dental Implants</li> <li>Surgical Aspects of Dental Implants</li> <li>Advanced Implant Surgery and Bone Grafting Techniques.</li> <li>Prosthetic Aspects of Dental Implants</li> <li>Diagnosis and Treatment of Periimplantitis</li> </ul>	9 <sup>th</sup> -11 <sup>th</sup>	2	a1, a2, b1,b2, b3, b4
4	Periodontal-Restorative Interrelationships	<ul style="list-style-type: none"> <li><b>Preparation of the Periodontium for Restorative Dentistry.</b></li> <li><b>Periodontal-Restorative Interrelationships</b></li> </ul>	12 <sup>th</sup> -13 <sup>th</sup>	2	a1, a2, b1,b2, b3, b4
5	Periodontal maintenance phase	<ul style="list-style-type: none"> <li><b>Supportive Periodontal Treatment</b></li> <li><b>Results of Periodontal Treatment,</b></li> </ul>	14 <sup>th</sup> -15 <sup>th</sup>	2	a1, a2, b1,b2, b3, b4
6	<b>Final exam</b>		16 <sup>th</sup>	1	a1, a2, b1,b2, b3, b4
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>16</b>	



### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	Fill the case sheet for 4th level students and perform all periodontal measurement.	All weeks	3	b1,2,4c2,3,6,7,d1,2
2	Instruct & motivate patients about all possible Oral hygiene procedures.	All weeks	3	b1,3,2c4,7
3	Examine gingival tissues (Plaque and gingival index) and perform all requested periodontal measurement in case sheet.	All weeks	3	b1,2,4c2,3,6,7
4	Make the correct diagnosis and proper treatment plan	All weeks	3	b1,2,4c2,3,6,7,d1,2
5	Identify the instruments for manual root planning and polishing	All weeks	3	b1,2,4c2,3,6,7
6	Using of manual instruments for scaling , root planning and polishing.	All weeks	3	b1,2,4c2,3,6,7
7	Using ultrasonic scaling and polishing.	8 <sup>th</sup> to 14 <sup>th</sup>	3	b1,2,4c2,3,6,7
8	Sharpening of currets and scalers by using sharpening stones.	8 <sup>th</sup>	3	b1,2,4c2,3,6,7
9	Participate in doing one periodontal surgery or periodontal splinting under supervision.	14 <sup>th</sup>	3	b3,4,c6,7,8,d1,2
10	Maintenance of periodontal patient	8 <sup>th</sup> to 14 <sup>th</sup>	3	b3
11	<b>Practical exam</b>	15 <sup>th</sup>	3	b1-b4, c1-c7, d1-d2
<b>Number of Weeks /and Units Per Semester</b>		<b>15</b>	<b>45</b>	

### V. Teaching Strategies of the Course:

- Lectures
- Debate
- Training
- Discussion
- Brainstorming





## VI. Assessment Methods of the Course:

- Midterm exam
- Final exam
- Practical exam
- Assignment

## VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Requirements	1 <sup>st</sup> - 14 <sup>th</sup>	10	b1-b4, c1-c7, d1-d2
<b>Total</b>			<b>10</b>	

## 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	Midterm exam	8 <sup>th</sup>	20	20%	a1, a2, b1,b2
2	Final exam	16 <sup>th</sup>	50	50%	a1, a2, b1,b2, b3, b4
3	Practical exam	15 <sup>th</sup>	20	20%	b1-b4, c1-c7, d1-d2
4	Assignment	1 <sup>st</sup> - 14 <sup>th</sup>	10	10%	a1, a2, b1,b2,3,4 d1, d2
<b>Total</b>			<b>100</b>	<b>100%</b>	

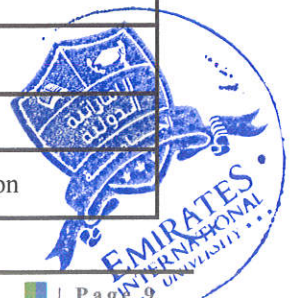
## IX. Learning Resources:

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

Jan Lindhe, 2007, Clinical Periodontology and Implant Dentistry , 4th edition.

### 2- Essential References:

. L T Ross, S W Fardo, M F Walach, 2014, Carranza's Clinical Periodontology, 12th Edition



**3- Electronic Materials and Web Sites etc.:**

www.Perio.org.

**X. Course Policies: (Based on the Uniform Students' By law (2007))**

<b>Class Attendance:</b>	
1	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.
<b>Tardiness:</b>	
2	A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
<b>Exam Attendance/Punctuality:</b>	
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.
<b>Assignments &amp; Projects:</b>	
4	Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
<b>Cheating:</b>	
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.
<b>Forgery and Impersonation:</b>	
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.
<b>Other policies:</b>	
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.





## Faculty of Dentistry

### Department of Oral Surgery

### Doctor of Dental Surgery

## Course Plan (Syllabus) of Periodontics IV

### Course No. ()

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:	Dr. Manal Mohammed Al-Hajri	Office Hours					
Location & Telephone No.:	00967776136858						
E-mail:	dent.manal@yahoo.com	SAT	SUN	MON	TUE	WED	THU



## II. Course Identification and General Information:

1	Course Title:	Periodontology IV			
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:	5th Level / 1st Semester			
5	Pre –Requisite (if any):	Periodontology III			
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. Manal Mohammed Al-Hajri			

## III. Course Description:

The course is advanced clinical periodontics course focuses on objectives of periodontal therapy, treatment planning & treatment techniques, including preprosthetic surgery, reconstructive and plastic surgery.

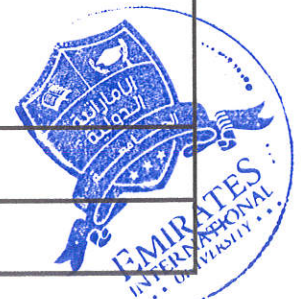


## IV. Course Intended Learning Outcomes (CILOs) :

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



	<b>A. Knowledge and Understanding:</b>
a1	Treatment strategies and how they meet periodontal health goals
a2	Infection hazards and the key principles relating to standard infection control during surgical periodontal treatment.
	<b>B. Intellectual Skills:</b>
b1	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth extraction versus treatment.
b2	Construct preventive strategies at different levels according to the targeted individual and community needs
b3	Establish a maintenance program to avoid recurrence of periodontal disease
b4	Select a suitable periodontal techniques or instruments to be use in a specific clinical situation according to indications.
	<b>C. Professional and Practical Skills:</b>
c1	Managing of any periodontal emergencies including acute conditions which may present in dental practice
c2	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.
c3	Examining and monitoring the oral soft and hard tissues to make the proper diagnosis of various diseases and abnormalities of periodontal tissues
c4	Instructing and motivation of oral hygiene which consider one of the most critical and difficult elements of long-term success in periodontal therapy.
c5	Performing a range of clinical procedures which are within the scope of general dentistry, including: <ul style="list-style-type: none"> <li>a). Applications of preventive procedures.</li> <li>b). Application of different local anesthetic techniques.</li> <li>c). Diagnosis of commonly encountered oral lesions.</li> <li>d). Performance of the necessary radiographs</li> </ul>
c6	Applying current infection control guidelines.
c7	Evaluating and monitoring the outcome of treatment using specific indices.



#### D. Transferable Skills:

d1	Work in collaboration as a member of an interdisciplinary team.
d2	A adapt to continuous, self-development and long life learning to remain update with advancement in periodontal practice

#### V. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Periodontal Surgical Phase	<ul style="list-style-type: none"> <li>General Principles of Periodontal Surgery</li> <li>Surgical Anatomy of the Periodontium and Related Structures</li> <li>Gingival Curettage</li> <li>The Gingivectomy Technique</li> <li>Treatment of Gingival Enlargement</li> <li>The Periodontal Flap</li> <li>The Flap Technique for Pocket Therapy</li> <li>Resective Osseous Surgery</li> <li>Regenerative Osseous Surgery</li> <li>Furcation: The Problem and Its Management</li> <li>The Periodontic-Endodontic Continuum</li> <li>Periodontal Plastic and Esthetic Surgery.</li> <li>Recent Advances in Surgical Technology</li> </ul>	1 <sup>st</sup> -7 <sup>th</sup>	7
2	<b>Midterm exam</b>		8 <sup>th</sup>	1
3	Oral Implantology	<ul style="list-style-type: none"> <li>Biologic Aspects of Dental Implants</li> <li>Clinical Aspects of Dental Implants</li> <li>Surgical Aspects of Dental Implants</li> <li>Advanced Implant Surgery and Bone Grafting Techniques.</li> <li>Prosthetic Aspects of Dental Implants</li> <li>Diagnosis and Treatment of Periimplantitis</li> </ul>	9 <sup>th</sup> -11 <sup>th</sup>	3
4	Periodontal-Restorative Interrelationships	<ul style="list-style-type: none"> <li><b>Preparation of the Periodontium for Restorative Dentistry.</b></li> <li><b>Periodontal-Restorative Interrelationships</b></li> </ul>	12 <sup>th</sup> -13 <sup>th</sup>	2
5	Periodontal maintenance phase	<ul style="list-style-type: none"> <li><b>Supportive Periodontal Treatment</b></li> <li><b>Results of Periodontal Treatment,</b></li> </ul>	14 <sup>th</sup> -15 <sup>th</sup>	



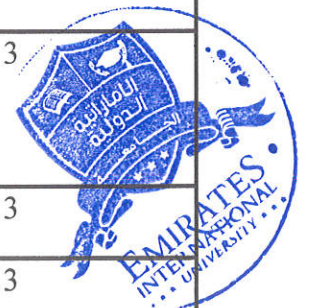
## V. Course Contents:

### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
6	Final exam		16 <sup>th</sup>	1
Number of Weeks /and Units Per Semester			16	16

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	Fill the case sheet for 4th level students and perform all periodontal measurement.	All weeks	3
2	Instruct & motivate patients about all possible Oral hygiene procedures.	All weeks	3
3	Examine gingival tissues (Plaque and gingival index) and perform all requested periodontal measurement in case sheet.	All weeks	3
4	Make the correct diagnosis and proper treatment plan	All weeks	3
	Identify the instruments for manual root planning and polishing	All weeks	3
6	Using of manual instruments for scaling , root planning and polishing.	All weeks	3
7	Using ultrasonic scaling and polishing.	8 <sup>th</sup> to 14 <sup>th</sup>	3
8	Sharpening of currets and scalers by using sharpening stones.	8 <sup>th</sup>	3
9	Participate in doing one periodontal surgery or periodontal splinting under supervision.	14 <sup>th</sup>	3
10	Maintenance of periodontal patient	8 <sup>th</sup> to 14 <sup>th</sup>	3
11	Final practical exam	15 <sup>th</sup>	3





<b>B. Case Studies and Practical Aspect:</b>			
No.	Tasks/ Experiments	Week Due	Contact Hours
Number of Weeks /and Units Per Semester		15	45

<b>VI. Teaching Strategies of the Course:</b>
<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Debate</li> <li>• Training</li> <li>• Discussion</li> <li>• Brainstorming</li> </ul>

<b>VII. Assessment Methods of the Course:</b>
<ul style="list-style-type: none"> <li>• Midterm exam</li> <li>• Final exam</li> <li>• Practical exam</li> <li>• Assignment</li> </ul>

<b>VIII. Assignments:</b>			
No.	Assignments	Week Due	Mark
1	Requirements	1st - 14th	10
<b>Total</b>			<b>10</b>

<b>IX. Schedule of Assessment Tasks for Students During the Semester:</b>				
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Midterm exam	8 <sup>th</sup>	20	20%





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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
2	Final exam	16 <sup>th</sup>	50	50%
3	Practical exam	15 <sup>th</sup>	20	20%
4	Assignment	1 <sup>st</sup> - 14 <sup>th</sup>	10	10%
<b>Total</b>			<b>100</b>	<b>100%</b>

### X. Learning Resources:

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

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#### 2- Essential References:

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

1	<b>Class Attendance:</b> 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.
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3	<b>Exam Attendance/Punctuality:</b> 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	<b>Assignments &amp; Projects:</b> Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	<b>Cheating:</b>



	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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7	<b>Other policies:</b> 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.

