

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 III
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 III			
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 / 2nd Semester			
5	Pre –Requisite (if any):	Periodontology II			
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 & surgical periodontal therapy that include classification of periodontal flaps, regenerative therapy and Mucogingival & aesthetic surgeries.

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	Classify of periodontal disease according to latest international classification			A6
a2	shaping of attachment loss and their prognostic and treatment implications			A2
a3	Treatment strategies and how they meet periodontal health goals			A3
B. Intellectual Skills:				
b1	Assess and weigh the benefits and side effects of commonly prescribed medications taken by the patient on periodontal management.			B2
b2	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth extraction versus treatment.			B3
b3	Select a suitable periodontal techniques or instruments to be use in a specific clinical situation according to indications.			B5
C. Professional and Practical Skills:				
c1	Managing of any periodontal emergencies including acute conditions which may present in dental practice			C7
c2	Taking the medical history as part of the diagnostic process.			C1
c3	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.			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.			C3
c5	Supragingival and subgingival scaling and root debridement, using both powered and manual instrumentation and in stain removal and prophylaxis.			C7
c6	Performing a range of clinical procedures which are within the scope of general dentistry, including:			C7

	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	Applying current infection control guidelines.			C7
c8	Evaluating and monitoring the outcome of treatment using specific indices.			C1
D. Transferable Skills:				
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	Classify of periodontal disease according to latest international classification Lectures Discussion	Midterm Exam Final Exam
a2	shaping of attachment loss and their prognostic and treatment implications Lectures Discussion	Midterm Exam Final Exam
a3	Treatment strategies and how they meet periodontal health goals Lectures Discussion	Midterm Exam Final Exam
(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
b1	Assess and weigh the benefits and side effects of commonly prescribed medications taken by the patient on periodontal management. Lectures exercise Debate Discussion	Midterm Exam Final Exam Practical Exams Semester work
b2	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth Lectures exercise	Midterm Exam Final Exam Practical Exams

	extraction versus treatment.	Debate Discussion	Semester work
b3	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	Taking the medical history as part of the diagnostic process.	exercise Debate	Direct observation Practical Exams Semester work
c3	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.	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	Supragingival and subgingival scaling and root debridement, using both powered and manual instrumentation and in stain removal and prophylaxis.	exercise Debate	Direct observation Practical Exams Semester work
c6	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.	exercise Debate	Direct observation Practical Exams Semester work

c7	Applying current infection control guidelines.	exercise Debate	Direct observation Practical Exams Semester work
c8	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	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 (CILOs)
1	Diagnosis, Prognosis, and Treatment Plan	<ul style="list-style-type: none"> • Clinical Diagnosis • Radiographic Aids in the Diagnosis of Periodontal Disease,. • Risk Assessment • Determination of Prognosis • Advanced Diagnostic Techniques • The Treatment Plan • Rationale for Periodontal Treatment • Periodontal Therapy in the Female Patient (Puberty, Menses, Pregnancy, and Menopause). • Periodontal Treatment of Medically Compromised Patients. 	1 st -4 th	4	a1-a3, b2

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		<ul style="list-style-type: none"> Periodontal Treatment for Older Adults, Treatment of Refractory Periodontitis, Aggressive Periodontitis, Necrotizing Ulcerative Periodontitis, and Periodontitis Associated with Systemic Diseases 			
2	Periodontal Instrumentation	<p>The Periodontal Instrumentarium</p> <ul style="list-style-type: none"> Manual Instrumentation Sonic and Ultrasonic Instrumentation Supragingival and Subgingival Irrigation Treatment of Periodontal Emergencies Treatment of Acute Gingival Disease Treatment of the Periodontal Abscess 	5 th -7 th	3	a3, b2
3	Midterm exam		8 th	1	a1-a3, b2
4	Phase, I Periodontal Therapy	<ul style="list-style-type: none"> Scaling and Root Planing Phase I Periodontal Therapy Plaque Control for the Periodontal Patient Chemotherapeutic Agents in the Treatment of Periodontal Diseases. Periodontal Management of HIV Infected patients Occlusal Evaluation and Therapy in the Management of Periodontal Diseas The Role of Orthodontics as an Adjunct to Periodontal Therapy 	9 th -15 th	7	a3, b1-b3
5	Final exam		16 th	1	a1-a3, b1-b3
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	- Fill the case sheet for 4th level students and perform all periodontal measurement.	1 st -14 th	42	b1-b3, c1-c8, d1-d3

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	<ul style="list-style-type: none"> - Instruct & motivate patients about all possible Oral hygiene procedures. - Examine gingival tissues (Plaque and gingival index) and perform all requested periodontal measurement in case sheet - Make the correct diagnosis and proper treatment plan - Identify the instruments for manual root planning and polishing - Using of manual instruments for scaling , root planning and polishing - Using ultrasonic scaling and polishing. - Sharpening of currets and scalers by using sharpening stones. - Closed gingival depredment at least 8cases 			
2	Practical exam	15 th	3	b1-b3, c1-c8, d1-d3
Number of Weeks /and Units Per Semester		15	45	

V. Teaching Strategies of the Course:

- Lectures
- Debate
- Training
- Discussion
- Brainstorming

VI. Assessment Methods of the Course:

- Mid tem exam
- Final tem exam
- Practical exam
- Assignment

VII. Assignments:				
No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Requirements	1 st to 14 th	10	a1, a2, a3, b1,b2, 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	Midterm exam	8 th	20	20%	a1-a3, b2
2	Final exam	16 th	50	50%	a1-a3, b1-b3
3	Practical exam	15 th	20	20%	b1-b3, c1-c8, d1-d3
4	Assignment	1 st to 14 th	10	10%	a1, a2, a3, b1,b2, d1, d2,
Total			100	100%	

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)	
Class Attendance:	
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.
Tardiness:	
2	

	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 Periodontology III
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 III			
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 / 2nd Semester			
5	Pre –Requisite (if any):	Periodontology II			
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 & surgical periodontal therapy that include classification of periodontal flaps, regenerative therapy and Mucogingival & aesthetic surgeries.



IV. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the Course, student will be able to:	
A. Knowledge and Understanding:	
a1	Classify of periodontal disease according to latest international classification
a2	shaping of attachment loss and their prognostic and treatment implications
a3	Treatment strategies and how they meet periodontal health goals
B. Intellectual Skills:	
b1	Assess and weigh the benefits and side effects of commonly prescribed medications taken by the patient on periodontal management.
b2	Prioritize patient's treatment needs and formulate appropriate treatment plane including decision making for tooth extraction versus treatment.
b3	Select a suitable periodontal techniques or instruments to be use in a specific clinical situation according to indications.
C. Professional and Practical Skills:	
c1	Managing of any periodontal emergencies including acute conditions which may present in dental practice
c2	Taking the medical history as part of the diagnostic process.
c3	Examining the periodontium, establishing a diagnosis and prognosis and applying treatment plan.
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	Supragingival and subgingival scaling and root debridement, using both powered and manual instrumentation and in stain removal and prophylaxis.
c6	Performing a range of clinical procedures which are within the scope of general dentistry, including: <ul style="list-style-type: none"> 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	Applying current infection control guidelines.
c8	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	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	Diagnosis, Prognosis, and Treatment Plan	Clinical Diagnosis Radiographic Aids in the Diagnosis of Periodontal Disease, Risk Assessment Determination of Prognosis Advanced Diagnostic Techniques The Treatment Plan Rationale for Periodontal Treatment Periodontal Therapy in the Female Patient (Puberty, Menses, Pregnancy, and Menopause). Periodontal Treatment of Medically Compromised Patients. Periodontal Treatment for Older Adults, Treatment of Refractory Periodontitis, Aggressive Periodontitis, Necrotizing Ulcerative Periodontitis, and Periodontitis Associated with Systemic Diseases	1 st -4 th	4
2	Periodontal Instrumentation	The Periodontal Instrumentarium • Manual Instrumentation • Sonic and Ultrasonic Instrumentation • Supragingival and Subgingival Irrigation • Treatment of Periodontal Emergencies • Treatment of Acute Gingival Disease • Treatment of the Periodontal Abscess	5 th -7 th	3
3	Midterm exam		8 th	1
4	Phase, I Periodontal	• Scaling and Root Planing • Phase I Periodontal Therapy	0 th - 5 th	7

V. Course Contents:				
A. Theoretical Aspect:				
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	Therapy	<ul style="list-style-type: none"> • Plaque Control for the Periodontal Patient • Chemotherapeutic Agents in the Treatment of Periodontal Diseases. • Periodontal Management of HIV Infected patients • Occlusal Evaluation and Therapy in the Management of Periodontal Diseases • The Role of Orthodontics as an Adjunct to Periodontal Therapy 		
5	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	<ul style="list-style-type: none"> - Fill the case sheet for 4th level students and perform all periodontal measurement. - Instruct & motivate patients about all possible Oral hygiene procedures. - Examine gingival tissues (Plaque and gingival index) and perform all requested periodontal measurement in case sheet - Make the correct diagnosis and proper treatment plan - Identify the instruments for manual root planning and polishing - Using of manual instruments for scaling , root planning and polishing - Using ultrasonic scaling and polishing. - Sharpening of currets and scalers by using sharpening stones. - Closed gingival depredment at least 8cases 	1 st -14 th	42
2	Practical exam	1 st -3 rd	45
Number of Weeks /and Units Per Semester			45

VI. Teaching Strategies of the Course:

- Lectures
- Debate
- Training
- Discussion
- Brainstorming

VII. Assessment Methods of the Course:

- Mid tem exam
- Final tem exam
- Practical exam
- Assignment

VIII. Assignments:

No.	Assignments	Week Due	Mark
1	Requirements	1st to 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	Midterm exam	8 th	20	20%
2	Final exam	16 th	50	50%
3	Practical exam	15 th	20	20%
4	Assignment	1 st to 14 th	10	10%
Total			100	100%

X. 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.:
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XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))	
	Class Attendance:
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.
	Tardiness:
2	A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
	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.
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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.
	Forgery and Impersonation:
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.