

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



Faculty of Medicine & Health Sciences  
Department of Dentistry  
Doctor of Dental Surgery

Course Specification of PERIODONTOLOGY V

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 V			
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 / 2 <sup>nd</sup> Semester			
5	Pre –Requisite (if any):	Periodontology IV			
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 Medicine & Health Sciences, Department of Dentistry			
12	Prepared by:				

## II. Course Description:

This course is designed to train dentists in the specialized fields of periodontology and implantology. The course will examine how to correlate periodontal issues into a case-based aspect. Advanced all realms of dental hygiene will be integrated into these decision-based criteria. The student will also be introduced to how periodontal issues are related to private dental practice.



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	Describe dental alveolar infection and justify the dental alveolar diseases			A1
a2	Identify patient's chief complaint, appearance and attitude, obtain and interpret medical, social and dental history, conduct clinical and radiographic examination, and distinguish between normal and Pathological hard and soft tissue abnormalities of the orofacial area.			A3
a3	Identify the gingivectomy, pocket eradication, periodontal flaps with multiple devise.			A5
<b>B. Intellectual Skills:</b>				
b1	Develop strategies of an appropriate comprehensive, prioritized and sequenced treatment plan based on the evaluation of all relevant diagnostics			B1
b2	Incorporate the basic dental and medical sciences with the signs and physical symptoms, and the outcome of the diseases			B4
<b>C. Professional and Practical Skills:</b>				
c1	Correctly record patient's history and an appropriate physical examination including intraoral examination.			C2
c2	Manage common oral disorders such as periodontal and oral cancer.			C7
<b>D. Transferable Skills:</b>				





d1	Work in rights and professional ethics			D6
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**(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 dental alveolar infection and justify the dental alveolar diseases	<ul style="list-style-type: none"> <li>▪ Lectures</li> <li>▪ Discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Midterm Exam</li> <li>▪ Final Exam</li> <li>▪ Oral exam</li> </ul>
a2	Identify patient's chief complaint, appearance and attitude, obtain and interpret medical, social and dental history, conduct clinical and radiographic examination, and distinguish between normal and Pathological hard and soft tissue abnormalities of the orofacial area.	<ul style="list-style-type: none"> <li>▪ Lectures</li> <li>▪ Discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Midterm Exam</li> <li>▪ Final Exam</li> <li>▪ Oral exam</li> </ul>
a3	Identify the gingivectomy, pocket eradication, periodontal flaps with multiple devise.	<ul style="list-style-type: none"> <li>▪ Lectures</li> <li>▪ Discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Midterm Exam</li> <li>▪ Final Exam</li> <li>▪ Oral exam</li> </ul>

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

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1	Develop strategies of an appropriate comprehensive, prioritized and sequenced treatment plan based on the evaluation of all relevant diagnostics	<ul style="list-style-type: none"> <li>▪ Lectures</li> <li>▪ Demonstrations</li> <li>▪ Discussions</li> <li>▪ Debate</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Midterm Exam</li> <li>▪ Final Exam</li> <li>▪ Practical Exams</li> <li>▪ Semester work</li> <li>▪ Oral exam</li> </ul>
b2	Incorporate the basic dental and medical sciences with the signs and physical symptoms, and the outcome of the diseases	<ul style="list-style-type: none"> <li>▪ Lectures</li> <li>▪ Demonstrations</li> <li>▪ Discussions</li> <li>▪ Debate</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Midterm Exam</li> <li>▪ Final Exam</li> <li>▪ Practical Exams</li> </ul>



		<ul style="list-style-type: none"> <li>▪ Semester work</li> <li>▪ Oral exam</li> </ul>
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**(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	Correctly record patient's history and an appropriate physical examination including intraoral examination.	<ul style="list-style-type: none"> <li>▪ Practical training</li> <li>▪ Demonstrations</li> <li>▪ Discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Direct observation</li> <li>▪ Practical Exams</li> <li>▪ Semester work</li> </ul>
c2	Manage common oral disorders such as periodontal and oral cancer.	<ul style="list-style-type: none"> <li>▪ Practical training</li> <li>▪ Demonstrations</li> <li>▪ Discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Direct observation</li> <li>▪ Practical Exams</li> <li>▪ Semester work</li> </ul>

**(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 rights and professional ethics	<ul style="list-style-type: none"> <li>▪ Discussion</li> <li>▪ Brainstorming</li> </ul>	<ul style="list-style-type: none"> <li>▪ Direct observation</li> <li>▪ Practical Exams</li> <li>▪ Semester work</li> </ul>

**IV. Course Contents:**

**A. Theoretical Aspect:**

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	<b>Introduction:</b>	Incorporate evidence-based decision making and clinical judgment in developing patient specific protocols.	1 <sup>st</sup> ,	1	a2, b1
2	<b>Patients preparation</b>	Document and assess the results of therapy using the above techniques.	2 <sup>nd</sup> , 3 <sup>rd</sup>	2	a2. b2
3	<b>Treatment plan</b>	Patient cases in a rational and objective manner using all resources at hand.	4 <sup>th</sup> , 5 <sup>th</sup>	2	a1. , a3, b1, b2
4	<b>Management of periodontal infections</b>	Communicate effectively with the professional and the patient regarding the conceptual approach and results of eliminating	6 <sup>th</sup> , 7 <sup>th</sup>	2	a1, a3, b1, b2





No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		periodontal infections			
5	Midterm Exam		8 <sup>th</sup>	1	a1, a2, a3, b1, b2
6	Conservative management	Differentiate and select appropriate chemotherapy (antimicrobials and antibiotics) for treatment of periodontal infections, including understanding of advantages and disadvantages.	9 <sup>th</sup> , 10 <sup>th</sup>	2	a2, b1, b2
7	Surgical procedures	Understand perform different surgical procedures and when a need is present including piezosurgery and laser	11 <sup>th</sup> -13 <sup>th</sup>	3	a1, a3, b1-b2
8	Principles of dental implant in dentistry	Introduction, laboratory investigation, types of implants, osteointegration, types of procedures and management of complication	14 <sup>th</sup> -15 <sup>th</sup>	4	a3, b1-b2
9	Final Exam	,	16 <sup>th</sup>	1	a1, a2, a3, b1-b2
<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	<ul style="list-style-type: none"> <li>- Make the correct diagnosis and proper treatment plan</li> <li>- Identify the instruments for manual root planning and polishing</li> <li>- Using ultrasonic scaling and polishing.</li> <li>- Sharpening of currets and scalers by using sharpening stones.</li> <li>- Closed gingival debridement at least 8cases</li> <li>- Prepared one case of dental implant, gingival pigmentation</li> </ul>	1 <sup>st</sup> -14 <sup>th</sup>	42	c1-c2, d1



No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	and gingivectomy			
2	Practical exam	15 <sup>th</sup>	3	b1, b2, c1- c2, d1
<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:

- 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 <sup>st</sup> 14 <sup>th</sup>	10	b1, b2, c1-c2, d1
<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	Quizzes	4 <sup>th</sup> , 12 <sup>th</sup>	10	10%	a1, a2, a3, b1, b2
2	Midterm Exam	8 <sup>th</sup>	20	20%	a1, a2, b1, b2
3	Practical Exam	15 <sup>th</sup>	10	10%	b1, b2, c1-c2, d1
4	Oral Exam	15 <sup>th</sup>	10	10%	a1,a3, b1-b2
5	Requirements	1 <sup>st</sup> -14 <sup>th</sup>	10	10%	b1, b2, c1-c2, d1
6	Final Exam	16 <sup>th</sup>	40	40%	a1,a2, b1-b2
<b>Total</b>			<b>100</b>	<b>100%</b>	

### IX. Learning Resources:

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

1. Louis F. Periodontics: Medicine, Surgery and Implants, Amazon Prime.
2. Telakraj T. Essentials of Periodontics

#### 2- Essential References.

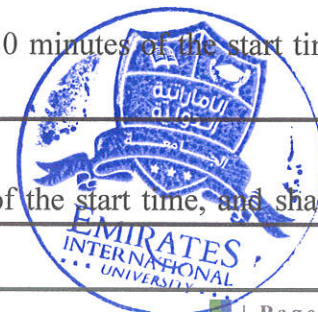
1. Robert I. Contemporary Periodontics
2. Waite, I.IVi. & J.D. Strahan, Colour Atlas of Clinical and Surgical Periodontology, Saunders
3. L T Ross, S W Fardo, M F Walach, Carranza's Clinical Periodontology

#### 3- Electronic Materials and Web Sites etc.

[www.Perio.org](http://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.
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.
6	<b>Forgery and Impersonation:</b> 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	<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.

## Faculty of Medicine & Health Sciences

### Department of Dentistry

### Doctor of Dental Surgery

## Course Plan (Syllabus) of PERIODONTOLOGY V

### 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:	Periodontology V			
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 / 2nd Semester			
5	Pre –Requisite (if any):	Periodontology IV			
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 Medicine & Health Sciences, Department of Dentistry			
12	Prepared by:				

## III. Course Description:

This course is designed to train dentists in the specialized fields of periodontology and implantology. The course will examine how to correlate periodontal issues into a case-based aspect. Advanced all realms of dental hygiene will be integrated into these decision-based criteria. The student will also be introduced to how periodontal issues are related to private dental practice.

## IV. Course Intended Learning Outcomes (CILOs)

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



<b>A. Knowledge and Understanding:</b>	
a1	Describe dental alveolar infection and justify the dental alveolar diseases
a2	Identify patient's chief complaint, appearance and attitude, obtain and interpret medical, social and dental history, conduct clinical and radiographic examination, and distinguish between normal and Pathological hard and soft tissue abnormalities of the orofacial area.
a3	Identify the gingivectomy, pocket eradication, periodontal flaps with multiple devise.
<b>B. Intellectual Skills:</b>	
b1	Develop strategies of an appropriate comprehensive, prioritized and sequenced treatment plan based on the evaluation of all relevant diagnostics
b2	Incorporate the basic dental and medical sciences with the signs and physical symptoms, and the outcome of the diseases
<b>C. Professional and Practical Skills:</b>	
c1	Correctly record patient's history and an appropriate physical examination including intraoral examination.
c2	Manage common oral disorders such as periodontal and oral cancer.
<b>D. Transferable Skills:</b>	
d1	Work in rights and professional ethics

## V. Course Contents:

### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	<b>Introduction:</b>	Incorporate evidence-based decision making and clinical judgment in developing patient specific protocols.	1st,	1
2	<b>Patients preparation</b>	Document and assess the results of therapy using the above techniques.	2nd, 3rd	2
3	<b>Treatment plan</b>	Patient cases in a rational and objective manner using all resources at hand.	4th, 5th	2
4	<b>Management of</b>	Communicate effectively with the professional and the patient regarding the conceptual	6th, 7th	2





No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	<b>periodontal infections</b>	approach and results of eliminating periodontal infections		
5	<b>Midterm Exam</b>		8th	1
6	<b>Conservative management</b>	Differentiate and select appropriate chemotherapy (antimicrobials and antibiotics) for treatment of periodontal infections, including understanding of advantages and disadvantages.	9th, 10th	2
7	<b>Surgical procedures</b>	Understand perform different surgical procedures and when a need is present including piezosurgery and laser	11th - 13th	3
8	<b>Principles of dental implant in dentistry</b>	Introduction, laboratory investigation, types of implants, osteointegration, types of procedures and management of complication	14th - 15th	4
9	<b>Final Exam</b>	,	16th	1
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>16</b>

<b>B. Case Studies and Practical Aspect:</b>			
No.	Tasks/ Experiments	Week Due	Contact Hours
1	<ul style="list-style-type: none"> <li>- Make the correct diagnosis and proper treatment plan</li> <li>- Identify the instruments for manual root planning and polishing</li> <li>- Using ultrasonic scaling and polishing.</li> <li>- Sharpening of currets and scalers by using sharpening stones.</li> <li>- Closed gingival debridement at least 8cases</li> <li>- Prepared one case of dental implant, gingival pigmentation and gingivectomy</li> </ul>	1 <sup>st</sup> -14 <sup>th</sup>	42
2	<b>Practical exam</b>	15 <sup>th</sup>	3
<b>Number of Weeks /and Units Per Semester</b>			<b>45</b>



## 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
<b>Total</b>			<b>10</b>

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Quizzes	4 <sup>th</sup> , 12 <sup>th</sup>	10	10%
2	Midterm Exam	8 <sup>th</sup>	20	20%
3	Practical Exam	15 <sup>th</sup>	10	10%
4	Oral Exam	15 <sup>th</sup>	10	10%



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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
5	Requirements	1 <sup>st</sup> -14 <sup>th</sup>	10	10%
6	Final Exam	16 <sup>th</sup>	40	40%
<b>Total</b>			<b>100</b>	<b>100%</b>

### X. Learning Resources:

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

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2. Telakraj T. Essentials of Periodontics

#### 2- Essential References.

1. Robert I. Contemporary Periodontics
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	<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.
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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