

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 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: | Periodontology 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): | Oral histology, microbiology and oral pathology | | | |
| 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 designed to provide the students with an introduction to the basic concepts of the normal periodontium, early pathologic changes, their etiologic factors.

| 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 | Components of the healthy periodontium and manifest of diseased periodontium | | A2 | |
| a2 | Classification of periodontal disease according to latest international classification. | | A6 | |
| a3 | Understanding of the relationship of the oral microbiota to disease; to explain the concepts of the non-specific and specific plaque hypothesis in periodontal disease. | | A2 | |
| a4 | An understanding of the immunological responses involved in the pathogenesis of periodontal disease | | A2 | |
| a5 | Identify cellular immunology, antibody, antibody structure and function, complement system and the immunologic manifestations of inflammatory periodontal disease. | | A2 | |
| a6 | State bacterial structure, the general oral microbial flora and the bacteria associated with inflammatory periodontal disease. | | A2 | |
| a7 | Identify bacterial mechanisms of adherence, multiplication, pathogenesis and the interactions between the bacterial and the host tissues and host defense mechanisms. | | A2 | |
| B. Intellectual Skills: | | | | |
| b1 | Make and formulate an appropriate treatment plan as well as justify it if challenged. | | B1,B3 | |
| C. Professional and Practical Skills: | | | | |

| | | | | |
|--------------------------------|--|--|----|--|
| c1 | Examining and monitoring the oral soft and hard tissues of periodontal tissues | | C2 | |
| D. Transferable Skills: | | | | |
| d1 | Use internet and multimedia. | | D2 | |
| d2 | Manage time and resources | | D4 | |

| (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 | Components of the healthy periodontium and manifest of diseased periodontium | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| a2 | Classification of periodontal disease according to latest international classification | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| a3 | Understanding of the relationship of the oral microbiota to disease; to explain the concepts of the non-specific and specific plaque hypothesis in periodontal disease. | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| a4 | An understanding of the immunological responses involved in the pathogenesis of periodontal disease | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| a5 | Understanding cellular immunology, antibody, antibody structure and function, complement system and the immunologic manifestations of inflammatory periodontal disease | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| a6 | Understanding bacterial structure, the general oral | Lectures | Quizzes |

| | | | |
|--|--|---|---------------------------------------|
| | microbial flora and the bacteria associated with inflammatory periodontal disease. | Debate Discussion | Midterm Exam Final Exam |
| a7 | Understanding bacterial mechanisms of adherence, multiplication, pathogenesis and the interactions between the bacterial and the host tissues and host defense mechanisms. | Lectures Debate Discussion | Quizzes Midterm Exam Final Exam |
| (B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods: | | | |
| b1 | Make and formulate an appropriate treatment plan as well as justify it if challenged. | Lecture Discussion | 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 | Examining and monitoring the oral soft and hard tissues of periodontal tissues | Discussion Debate | 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 | Use internet and multimedia. | Lectures Discussion Brainstorming | Assignments |
| d2 | Manage time and resources | Lectures Discussion Brainstorming | Assignments |



| IV. Course Contents: | | | | | |
|--|--|--|-------------------------------------|----------------------|----------------------------------|
| A. Theoretical Aspect: | | | | | |
| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours | Learning Outcomes (CILOs) |
| 1 | Introduction and historical background of periodontology | <ul style="list-style-type: none"> The Normal Periodontium Classification of Diseases and Conditions Affecting the Periodontium. Epidemiology of gingival and periodontal diseases. Aging and periodontium | 1 st -5 th | 10 | a1-a4 |
| 2 | Etiology of periodontal diseases-1 | <ul style="list-style-type: none"> Periodontal microbiology Immunity and inflammation (basic concepts). | 6 th -7 th | 4 | a 5 a,6 |
| 3 | Midterm Exam | | 8 th | 2 | a1-a6 |
| 4 | Etiology of periodontal diseases-2 | <ul style="list-style-type: none"> Microbial interaction with the host on periodontal diseases. Molecular biology of host-microbe interaction in periodontal diseases | 9 th -11 th | 6 | a 5, a6 |
| 5 | Etiology of periodontal diseases-3 | <ul style="list-style-type: none"> Genetic factors associated with periodontal diseases. Role of dental calculus and other predisposing factors. Influence of systemic diseases and disorders on periodontium. Periodontal medicine. Smoking and periodontal diseases | 12 th - 15 th | 8 | a 5, a6, a7 |
| 6 | Final Exam | | 16 th | 2 | a1-a7 |
| Number of Weeks /and Units Per Semester | | | 16 | 32 | |



V. Teaching Strategies of the Course:

- Lectures
- Debate
- Discussion
- Brainstorming

VI. Assessment Methods of the Course:

- Midterm exam
- Final exam
- Assignment

VII. Assignments:

| No. | Assignments | Week Due | Mark | Aligned CILOs (symbols) |
|--------------|-------------------|------------------------------------|-----------|-------------------------|
| 1 | Oral presentation | 1 st - 15 th | 10 | b1, c1,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 | 30 | 30% | a1-a6 |
| 2 | Final exam | 16 th | 60 | 60% | a1-a7 |
| 3 | Assignment | 1 st - 15 th | 10 | 10% | b1, c1,d1, d2 |
| Total | | | 100 | 100% | |

IX. Learning Resources:

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

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

2- Essential References:

1- . 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))

| | |
|---|--|
| 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 Periodontology I (pre-clinical)

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:

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|----|--|---|--------------|----------|------------|
| 1 | Course Title: | Periodontology 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): | Oral histology, microbiology and oral pathology | | | |
| 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 designed to provide the students with an introduction to the basic concepts of the normal periodontium, early pathologic changes, their etiologic factors.

IV. Course Intended Learning Outcomes (CILOs) :

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

| A. Knowledge and Understanding: | |
|--|---|
| a1 | Components of the healthy periodontium and manifest of diseased periodontium |
| a2 | Classification of periodontal disease according to latest international classification. |
| a3 | Understanding of the relationship of the oral microbiota to disease; to explain the concepts of the non-specific and specific plaque hypothesis in periodontal disease. |
| a4 | An understanding of the immunological responses involved in the pathogenesis of periodontal disease |
| a5 | Identify cellular immunology, antibody, antibody structure and function, complement system and the immunologic manifestations of inflammatory periodontal disease. |
| a6 | State bacterial structure, the general oral microbial flora and the bacteria associated with inflammatory periodontal disease. |
| a7 | Identify bacterial mechanisms of adherence, multiplication, pathogenesis and the interactions between the bacterial and the host tissues and host defense mechanisms. |
| B. Intellectual Skills: | |
| b1 | Make and formulate an appropriate treatment plan as well as justify it if challenged. |
| C. Professional and Practical Skills: | |
| c1 | Examining and monitoring the oral soft and hard tissues of periodontal tissues |
| D. Transferable Skills: | |
| d1 | Use internet and multimedia. |
| d2 | Manage time and resources |

V. Course Contents:

A. Theoretical Aspect:

| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours |
|-----|--|--|----------------------------------|---------------|
| 1 | Introduction and historical background | <ul style="list-style-type: none"> The Normal Periodontium Classification of Diseases and Conditions Affecting the | 1 st -5 th | 10 |

V. Course Contents:

A. Theoretical Aspect:

| No. | Units/Topics List | Sub Topics List | Number of Weeks | Contact Hours |
|--|------------------------------------|--|-------------------------------------|---------------|
| | of periodontology | Periodontium. • Epidemiology of gingival and periodontal diseases. • Aging and periodontium | | |
| 2 | Etiology of periodontal diseases-1 | • Periodontal microbiology • Immunity and inflammation (basic concepts). | 6 th -7 th | 4 |
| 3 | Mid-Term Theoretical Exam | | 8 th | 2 |
| 4 | Etiology of periodontal diseases-2 | • Microbial interaction with the host on periodontal diseases. • Molecular biology of host-microbe interaction in periodontal diseases | 9 th -11 th | 6 |
| 5 | Etiology of periodontal diseases-3 | • Genetic factors associated with periodontal diseases. • Role of dental calculus and other predisposing factors. • Influence of systemic diseases and disorders on periodontium. • Periodontal medicine. • Smoking and periodontal diseases | 12 th - 15 th | 8 |
| 6 | Final Theoretical Exam | | 16 th | 2 |
| Number of Weeks /and Units Per Semester | | | 16 | 32 |

VI. Teaching Strategies of the Course:

Lectures

- Debate
- Discussion
- Brainstorming



VII. Assessment Methods of the Course:

- Midterm exam
- Final exam
- Assignment

VIII. Assignments:

| No. | Assignments | Week Due | Mark |
|--------------|-------------------|-----------|-----------|
| 1 | Oral presentation | 1st- 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 | Midterm exam | 8th | 30 | 30% |
| 2 | Final exam | 16th | 60 | 60% |
| 4 | Assignment | 1 st - 15 th | 10 | 10% |
| Total | | | 100 | 100% |

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|---|---|

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