



Course Specifications

Course Title:	PREVENTIVE DENTISTRY
Course Code:	PDS 222
Program:	Bachelor of Dentistry [BDS]
Department:	Preventive Dental Sciences [PDS]
College:	College of Dentistry
Institution:	Majmaah University

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A. Course Identification

1. Credit hours: 1
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 2 nd Year / 2 nd Semester
4. Pre-requisites for this course (if any): NA
5. Co-requisites for this course (if any): NA

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other - Practical	NA	NA

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	15
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify)	-
	Total	15
Other Learning Hours*		
1	Study	30
2	Assignments	5
3	Library	10
4	Projects/Research Essays/Theses	-
5	Others(specify)	-
	Total	45

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

- The course is designed to introduce and provide Dental students with an understanding of concepts, principles and methods of prevention in Dentistry. An emphasis is given to the causation and Epidemiology of common oral health problems in Saudi Arabia such as Dental caries and Periodontal diseases. The course describes the effect of Diet/Nutrition on oral health with a focus on primary preventive measures such as Fluoride therapy, plaque control measure, Sealants and Dental health programs.

2. Course Main Objective

- Discuss the role of Fluoride in caries reduction and prevention, including mechanisms and methods of delivery.
- Discuss caries risk assessment and its role in developing preventive treatment plans.
- Describe the nutrients important for good dental health both pre and post eruptively and be able to analyze a diet for good health.
- Describe various educating/learning styles and interpersonal communication techniques needed to motivate clients in their oral self care.
- Develop strategies to prevent common oral health problems at the community level

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
K3.16	To state the principles, concept, method of preventive dentistry and knowing the epidemiology, etiology and prevention of dental caries and periodontal disease.	K3
2	Skills :	
S3.7	To know about of effect of nutrition and oral health, different types of pit and fissure sealants , oral hygiene agents used and the mechanism of fluoride in preventive dentistry.	S3
S4.3	Evaluate the types of brushing techniques, types of dental public health programs, over view and planning and evaluation of dental	S4

CLOs		Aligned PLOs
	public programs	
3	Competence:	
C1.10	Demonstrate professional qualities and behavior towards the staff and fellow colleagues during sessions and tasks	C1

C. Course Content

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact hours
Introduction to Preventive Dentistry Introducing Preventive Dentistry, Assessment and evaluation system	1	1
Concepts, Principles & Methods of Preventive Dentistry Concepts of preventive dentistry, Scope of preventive dentistry with its principles,	1	1
Epidemiology of Dental caries Epidemiology, theories of caries etiology, and prevention.	1	1
Epidemiology of Periodontal Disease Epidemiology, plaque hypothesis, etiology and prevention.	1	1
Diet/Nutrition and Oral health Classification of foods, nutrients, balanced diet, effect of nutrition on oral tissues.	2	2
Fluorides in Dentistry Sources, mechanism of action & fluoride delivery methods	2	2
Plaque control measures Tooth brushes, oral hygiene methods and other oral hygiene aids	2	2
Pit and Fissure Sealants Types, materials, indications, contraindication and procedure	1	1
Dental Public Health Programs Dental public health programs, types, overview, planning and evaluation	2	2
Caries risk assessment Indications, risk indicators and cariogram	1	1
Revision	1	1

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1	Knowledge		
K3.16	To state the principles, concept, method of preventive dentistry and knowing the epidemiology, etiology and prevention of dental caries and periodontal disease.	Lectures,	Recall/Factual Questions in Written exams , Oral evaluations, OSPE, Assignments
2	Skills :		
S3.7	To know about of effect of nutrition and oral health, different types of pit and fissure sealants , oral hygiene agents used and the mechanism of fluoride in preventive dentistry.	Lectures,	Conceptual, Analytical or Evaluative questions in Written exams , Oral evaluations, OSPE, Assignments, weekly assessments
S4.3	Evaluate the types of brushing techniques, types of dental public health programs, over view and planning and evaluation of dental public programs	Lectures,	Conceptual, Analytical or Evaluative questions in Written exams , Oral evaluations, OSPE, Assignments, weekly assessments
3	Competence:		
C1.10	Demonstrate professional qualities and behavior towards the staff and fellow colleagues during sessions and tasks	Lectures, Group discussions	The group task / Assignment will be supervised closely each student will be evaluated using rubrics. DOP using rubrics

2. Assessment Tasks for Students

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Quiz	During the semester	0%
2	Homework	During the semester	10%
3	Behavior and Attitude	During the semester	0%

4	Midterm writerexam	8 th -10 th week	£ • %
5	Final writerexam	18 th -19 th week	£ • %

E. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

- The availability of the staff will be placed in front of the office in staff schedule as 2 office hours.
- Academic advising unit for each year functions separately, it will hold periodic meeting with the students for feed back
- Students will be informed in advance to assemble themselves in the classroom for discussions regarding difficulties in learning, attendance, facilities. etc.

Students will be encouraged towards use of internet sources and library for the study and completion of the assignments

F. Learning Resources and Facilities

1.Learning Resources

1.	List Required Textbooks <ul style="list-style-type: none"> • Primary Preventive Dentistry, Norman o Harris, 2013, 8th edition, • Text Book of Preventive and Community Dentistry, Soben Peter, 2011, 4th edition
2.	List Essential References Materials (Journals, Reports, etc.) <ul style="list-style-type: none"> • Dictionary of Dentistry • By: The Council of Society of Arab Dentistry 1998 • ADA Principles of Ethics and Code of Professional Conduct, 2005
3.	List Electronic Materials, Web Sites, Facebook, Twitter, etc. <ul style="list-style-type: none"> • http://www.pubmed.com • http://www.sdl.com
4.	Other learning material such as computer-based programs/CD, professional standards or regulations and software. <ul style="list-style-type: none"> • Power point and videos • Data from Continued Medical or Dental Education programs • Articles prepared by course director. • Presentations

2. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access, etc.)
<p>1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p> <ul style="list-style-type: none"> In the Classroom, number of seats is 30.
<p>2. Technology resources (AV, data show, Smart Board, software, etc.)</p> <ul style="list-style-type: none"> Laptop. Smart Board. Internet connection. <p>One computer, projector, active-board, video set connected to projector</p>
<p>3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) : None</p>

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	<ul style="list-style-type: none"> ✓ Course Evaluation Survey ✓ Quality of Exam Survey
	Faculty	<ul style="list-style-type: none"> ✓ CLO Mapping with teaching & assessment. ✓ Course Blueprinting ✓ Grade Analysis
	Peers	Grade Verification
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	<ul style="list-style-type: none"> ✓ Direct assessment outcome analysis ✓ Course report preparation
Quality of learning resources, etc	Students / Faculty	<ul style="list-style-type: none"> ✓ Academic advising survey ✓ Student experience survey

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department Council
Reference No.	
Date	30/08/1440