



Course Specifications

Course Title:	Dental Public Health And Community Dentistry
Course Code:	PDS 513
Program:	Bachelor of Dental Surgery
Department:	Preventive Dental Science [PDS]
College:	College of Dentistry
Institution:	Majmaah University

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A. Course Identification

1. Credit hours: 4
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: Fifth year Both Semester
4. Pre-requisites for this course (if any): 123 PDS & 222 PDS
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	25%
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other	90	75%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	30
2	Laboratory/Studio	120
3	Tutorial	-
4	Others (specify)	-
	Total	150
Other Learning Hours*		
1	Study	45
2	Assignments	15
3	Library	15
4	Projects/Research Essays/Theses	-
5	Others (specify)	-
	Total	75

* 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

This course represents a major channel through which the program contributes towards the community service. Students are oriented first on the main oral health concerns and major challenges of the community in Saudi Arabia. The course builds students' awareness and sense of responsibility towards public. The principles and activities of dental public health and the application of sciences of epidemiology and biostatistics in dental public health are explained. In addition, students are assigned in groups to conduct a comprehensive community-based dental educational program as part of this course.

2. Course Main Objective

To identify the core functions and essential services of public health/dental public health.

To identify individual and population risk factors influencing oral health in Saudi Arabia.

To select appropriate population-based indices to measure caries and periodontitis at the population level.

To apply epidemiological and biostatistical principles to understand incidence and prevalence of diseases.

To select evidence-based approaches to review the literature.

To develop and carry out a dental public health program plan and an evaluation plan for outcome assessment.

To select and apply appropriate preventive and educational modalities in dental public health programs.

To contribute positively when working in a team environment during all phases of planning, conducting, and evaluating a dental public health program.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
K4.1	Identifying the public health programs, functions and service through oral health educations, surveys, community and school dental health programs	K4
2	Skills :	
S2.1	Demonstrate the use of various epidemiological studies and dental indices to manage public dental conditions	S2
S4.1	Prepare appropriate population-based dental indices and epidemiological methods to measure oral diseases	S4
3	Competence:	
C1.1	Illustrate preventive and oral health educational measures in community, school oral health programs and demonstration of ART procedures	C1

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Dental Public Health and Community Dentistry Introducing Dental Public Health and Community Dentistry, Assessment and evaluation system	1
2	Indices used in dentistry Definition, ideal requisites, selection criteria, classification, uses and different types	2
3	Oral Health Education Definition, objectives, approaches, models and principles.	2
4	Epidemiology Aims, principles, tools, uses and epidemiological methods a. Descriptive b. Analytical c. Experimental	3
5	Survey Procedures in Dentistry Types, uses, methods of data collection, steps in surveying, oral health surveys, WHO oral health assessment form.	2
6	Planning and Evaluation Uses, types, steps, rational planning model, evaluation frame work	2
7	Screening Concepts, uses, criteria, sensitivity and specificity.	1
8	Evidence Based Dentistry Steps , methodology and format	1
9	Journal Club Evaluation Definition, types, format and critical evaluation	1
10	Dental Manpower Definitions, classification, rationale, types, their work and benefit	2
11	Planning Dental Manpower Criteria , consideration for planning and WHO information for planning	1
12	School Dental Health Programs Objectives, ideal requirements, planning, different school oral health programs & incremental dental care.	2
13	Financing in Dental Care Structure of dental practice, dental plan standards, classification of payment plans.	2

14	Atraumatic Restorative Treatment (ART) Principles, indication, contraindications, advantages and procedure.	1
15	Diet and Dental Caries Evidence linking diet and dental caries, Stephan curve, preventive dietary program, dietary counseling	2
16	Waste Management Types, disposal of health care waste, segregation of hospital waste by color coding bags.	2
17	Health Agencies Around the World Objectives, quarantine, international health agencies like WHO, UNICEF, CARE.	2
18	Journal Club Evaluation Definition, types, format and critical evaluation	1
Total		30

D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
K4.1	Identifying the public health programs, functions and service through oral health educations, surveys, community and school dental health programs	Lectures, Clinical Session	Written exam, Oral Exam, Practical / clinical exam, Assignments
2.0	Skills		
S2.1	Demonstrate the use of various epidemiological studies and dental indices to manage public dental conditions	Lectures, Clinical Session	Written exams, Oral Exam, Practical / clinical exam , Case based scenario / Problem based learning, Weekly assessment, Approved procedures documented in logbook.
S4.1	Prepare appropriate population-based dental indices and epidemiological methods to measure oral diseases	Lectures, Clinical Session	Written exams, Oral Exam, Practical / clinical exam , Case based scenario / Problem based learning, Weekly assessment, Approved procedures documented in logbook

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
3.0	Competence		
C1.1	Illustrate preventive and oral health educational measures in community, school oral health programs and demonstration of ART procedures	Clinical Session, Dental camps	Practical / clinical exam.OSPE / OSCE, Case based scenario / Problem based learning, Assignments, Approved procedures documented in logbook, Research projects

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz	Week 10 & Week 19	5%
2	Behavior and Attitude	Week 14	5%
3	Practical/Clinical assessments- Semester - 1	During the course	15%
4	Practical/Clinical assessments- Semester - 2	During the course	15%
5	Final written exam, semester-1 (Midyear exam)	During the course	20%
6	Final written exam, semester-2	Week 14	20%
7	Final practical exam Semester 2	Week 16	20%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

- The availability of the staff will be placed in front of the office in staff schedule as 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.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	- Soben peter. Essentials of Preventive and Community Dentistry, 2nd edition
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Essential References Materials	- S.S. Hiremath. Text Book of Preventive and Community Dentistry. 2nd edition, 2007
Electronic Materials	- None
Other Learning Materials	- Data from Continued Medical or Dental Education programs - Practical knowledge and understanding from outreach programs, community programs and school oral health programs

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> - Class rooms with international standards containing overhead projectors with smart boards attached. - School for adoption to carry out our school oral health programs - Suitable neat and clean place near any under privilege community to carry our outreach and community programs
Technology Resources (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> - Laptops, speakers, microphones, smart boards, pointers. - Health education materials like charts, pamphlets, power points, posters and models
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	<ul style="list-style-type: none"> - Instruments like mouth mirrors, probes, illumination devices, CPI-C probes, disposable diagnostic kits, personnel protective equipments. - WHO oral health assessment forms, tooth paste and tooth brush gift hamper for children in schools.

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 ✓ Psychometric Analysis
	Peers	Grade Verification

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	<input checked="" type="checkbox"/> Direct assessment outcome analysis <input checked="" type="checkbox"/> Course report preparation
Quality of learning resources, etc	Students / Faculty	<input checked="" type="checkbox"/> Academic advising survey <input checked="" type="checkbox"/> 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	