



Republic of Yemen
Ministry of Education & Scientific Research
21 September University for Medical and Applied Sciences

Faculty of Dentistry
Department of Basic Sciences
Bachelor's Program of Dental Surgery, BDS

Course Specification of Community Dentistry Course No. (09.11.923)

Prepared by:

Assistant Professor Omar
Ahmad Aldoosari

Reviewed by:

Prof. Abdulwahab Al-kholani

I. General Information:

1.	Course Title:	Community Dentistry				
2.	Course Code:	09.11.923				
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
			Lecture	Tutorial/ Seminar	Lab	Clinical
		2	2			
4.	Level/ Semester at which this Course is offered:	Level 3/ Semester (2)				
5.	Prerequisite (if any):	None				
6.	Co-Requisite (if any):	None				
7.	Program (s) in which the Course is Offered:	Bachelor of Dental Surgery (B.D.S).				
8.	Medium of Instruction:	English				
9.	Study System:	Semester-Based System				
10.	Mode of Delivery:	Theoretical knowledge and practical skills				
11.	Location of Teaching the Course:	University of 21 September University of Medical & Applied Sciences, Yemen.				
12.	Prepared by:	Assistant Prof. Omar Ahmed Aldossari				
13.	Date of Approval:	2025				

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Assistant Prof.
Omar A. Aldoosari

Reviewed by:

II. Course Description:

This course aims to provide students with basic factors that influence oral health, including social, cultural, economic, and political indicators of health and their impact on Dental and General health.

III. Course Intended Learning Outcomes (CILOs): Upon successful completion of the course, students will be able to:		Referenced PILOs		
A. Knowledge and Understanding:		I, A or E		
a1	Explain the different factors that have implications for oral disease development, prevention, and treatment.			A5
a2	Identify the rule of scientific research in the expression of oral and dental diseases at the societal level.			A6
B. Intellectual Skills:				
b1	Evaluate the efficiency of preventive measures at the community level and evidence-based problem-solving.			B2, B4
C. Professional and Practical Skills:				
c1	Identify and describe different screening tests for diseases related to dental practice.			C2
C2	Define the different preventive levels and their relation to the			C4

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III. Course Intended Learning Outcomes (CILOs): Upon successful completion of the course, students will be able to:		Referenced PILOs		
	population of various age groups.			
D. Transferable Skills:				
d1	Maintain a professional image in manner, dress, speech, and interpersonal relationships that is consistent with the medical profession's accepted contemporary standards in the community.			D6

IV. Alignment of Course Intended Learning Outcomes to Teaching Strategies and Assessment Methods:		
(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, a2	- Active Lectures: - Discussion. - Case Study. - Examples. - Brainstorming. - Field visit assignments (Schools, Communities, orphanages, etc.)	- Quizzes - Mid-Term Exam (theoretical) - Final Exam (theoretical) - Assignments Evaluation

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

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1	- Active Lectures: - Discussion. - Case Study. - Examples. - Brainstorming.	- Quizzes - Evaluation assignment

(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, C2	- Individual Assignments. - Assignments - presentation - Practical Session	- Quizzes - Evaluation assignment

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1	- Individual Assignments (Self learning) - Assignments	Evaluation assignment

V. Course Contents:

A. Theoretical Aspect:

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No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to Community dentistry	- Definition - Historical background and development - Basic terms and importance.	1	2	a1, a2, b1, c1, c2, d1
2	Epidemiological Methods	- Aims - Epidemiologic Triad - Measurements in Epidemiology - Epidemiologic Methods - Descriptive Epidemiology - Analytical Epidemiology - Experimental Epidemiology - The Epidemiologist - Terminologies in Epidemiology - Steps in Investigation of an Epidemic	1	2	a1, a2, b1, c1, c2, d1
3	Epidemiology of Oral Diseases	- Epidemiology and Etiology of Dental Caries - Epidemiology, Etiology, and Prevention of Periodontal Diseases - Epidemiology, Etiology, and Prevention of Oral Cancer - Epidemiology, Classification, and Etiology of Malocclusion - Epidemiology of Dental Fluorosis	2	4	a1, a2, b1, c1, c2, d1
4	Infection Control and Sterilization	- Airborne Infection - Infection Control: Clinical Procedures of Sterilization - Barriers for Patient and Clinician (Personal Protection of the Dental Team)	2	4	a1, a2, b1, c1, c2, d1
5	Revision		1	2	a1, a2, b1,

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V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
					c1, c2, d1
6		Midterm Exam	1	2	a1, a2, b1, c1, c2, d1
7	Indices for Oral Diseases	- Indices for Oral Diseases - Plaque Index (PII) - Patient Hygiene Performance (PHP) Index - Oral Hygiene Index (OHI) - Simplified Oral Hygiene Index (OHI-S)	1	2	a1, a2, b1, c1, c2, d1
8	Indices for Oral Diseases	- Sulcus Bleeding Index (SBI) - Gingival Index (GI) - Periodontal Index (PI) - Periodontal Disease Index (PDI) - The Community Periodontal Index of Treatment Needs (CPITN) - Mobility Index	1	2	a1, a2, b1, c1, c2, d1
9	Indices for Oral Diseases	- Decayed–Missing–Filled Index (DMF Index) - Decayed–Missing–Filling—Surface (DMFS) Index - SIC Index - Caries Indices for Primary Dentition - Dean's Fluorosis Index - Community Fluorosis Index (CFI)	1	2	a1, a2, b1, c1, c2, d1
10	Planning,	Planning: - Types of Health Planning - Steps in Planning Process	2	4	a1, a2, b1,

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V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
	Survey and Evaluation Planning	Survey: ▪ Types of Investigation ▪ Basic Oral Health Survey ▪ Steps in Survey Evaluation: ▪ Purpose of Evaluation Criteria ▪ Types of Evaluation: Basic Steps in Evaluation			c1, c2, d1
11	Dental Auxiliaries	▪ Definition ▪ Classification ○ WHO Classification ○ Revised Classification	1	2	a1, a2, b1, c1, c2, d1
12	Revision		1	2	a1, a2, b1, c1, c2, d1
13	Final Examination		1	2	a1, a2, b1, c1, c2, d1
Number of Weeks /and Units Per Semester			16	32	

B. Tutorial Aspect:

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No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction and methodology.	1	2	a1, a2, b1, c1, c2, d1
2	Evaluation of oral health care based on epidemiological parameters of oral health (phase one)	1	2	a1, a2, b1, c1, c2, d1
3	Evaluation of oral health protection based on epidemiological parameters of oral health (phase two)	1	2	a1, a2, b1, c1, c2, d1
4	Development and planning of a preventive program for a specific region. Analysis of factors influencing the community's oral health.	1	2	a1, a2, b1, c1, c2, d1
5	Planning of a preventive program for a specific region. Identification and formulation of the problem, defining the overall and specific goals.	1	2	a1, a2, b1, c1, c2, d1
6	Planning of a preventive program for a specific region. Identification of the program's target population.	1	2	a1, a2, b1, c1, c2, d1
7	Analysis of social, educational, and cultural factors of the targeted population.	1	2	a1, a2, b1, c1, c2, d1
8	Preparing a proposal for a preventive program, including information on program goals, participants, partners, financing, and evaluation mechanisms (first phase).	1	2	a1, a2, b1, c1, c2, d1
9	Preparing a proposal for a preventive program, including information on program goals, participants, partners, financing, and evaluation mechanisms (second phase).	1	2	a1, a2, b1, c1, c2, d1
10	Presentation of preventive project proposal.	1	2	a1, a2, b1, c1, c2, d1
11	Presentation of literature on a specific community oral health problem and a short evaluation of three selected pieces of literature (group work).	1	2	a1, a2, b1, c1, c2, d1

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B. Tutorial Aspect:

No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
12	Population, sampling, research hypothesis, and their testing: parametric and nonparametric tests (part one).	1	2	a1, a2, b1, c1, c2, d1
13	Population, sampling, research hypothesis, and their testing: parametric and nonparametric tests (part two).	1	2	a1, a2, b1, c1, c2, d1
14	Final Examination	1	2	a1, a2, b1, c1, c2, d1
Number of Weeks /and Units Per Semester		14	28	

VI. Teaching Strategies of the Course:

- Active Lectures (Discussion, Case Study, Examples, Brainstorming, Cooperative learning)
- Assignments.
- Tutorials
- presentation
- Training Session.
- Directed self-learning based on using the Web Computer

VIII. Assignments:

No.	Assignments	Weekly Due	Mark	Aligned CILOs (symbols)
1	Individual Assignments	1-14	10	a1, a2, b1 c2, d1
2	Group Assignments	9	10	a1, a2, b1 c2, d1
Total			20	

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

No.	Assessment Method	Weekly Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	VII. Assignments	1-14	20	20%	a1, a2, b1, c1, c2, d1
2	Midterm Exam (Theoretical)	8	20	20%	a1, a2, b1, c1, c2, d1
3	Final Exam (Theoretical)	16	60	60%	a1, a2, b1, c1, c2, d1
Total			100	100%	

X. Learning Resources:

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

- Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher).

2- Essential References.

- Dental public health and community dentistry Paperback – January 1, 1981.
by Anthony Jong (Editor), Publisher: The C.V. Mosby Company (January 1, 1981), ISBN-10: 0801625750, ISBN-13: 978-0801625756
- Community Dental Health 3rd Edition, by Anthony W. Jong (Editor), Publisher: Mosby-Year Book; 3rd edition (March 1993), ISBN-10: 0801663873, ISBN-13: 978-0801663871

3- Electronic Materials and Websites, etc.:

- Use Google Engine Search www.google.com

XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

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XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

1	Class Attendance: - Students must attend all the theoretical sessions in class and constantly show individual progression until the week of the deadline. An attendance rate of 80% is the minimum requirement for this course. Students failing to meet this requirement will face a penalty of a mark percentage deduction. Any progression checks after due dates will NOT be accepted, unless you have valid reasons with supportive documents.
2	Tardiness: If the student is tardy more than 15 minutes from the lecture's starting time, they are prevented from entering the lecture and are considered absent
3	Exam Attendance/Punctuality: A student who is absent from attending the exam is failed unless they come with an acceptable excuse.
4	Assignments & Projects: Assignments must be submitted on the due date and handed personally to your module lecturer. Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer. Late Assignments / Extensions Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturdays. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents. Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date. In the case of a request for an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate is considered valid.
5	Cheating: Cheating is an act of fraud that results in the cancellation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated in the Uniform Students' Bylaw (2007) shall apply.

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XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

6	Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancellation of the student's exam, assignment, or project. If it takes place in a final exam, the penalties stipulated in the Uniform Students' Bylaw (2016) shall apply.
7	Other policies:

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Faculty of Dentistry

Department of Basic Sciences

Bachelor's Program of Dental Surgery, BDS

Course Specification of

Community Dentistry

Course No. (09.11.923)

Information about the Faculty Member Responsible for the Course:						
Name of Faculty Member:	Assistant Prof. Omar Ahmad Aldoosari		Office Hours			
Location & Telephone No.:	Sanaa 777751077		18			
E-mail:	omarik2003@gmail.com		SAT	SUN	MON	TUE WED THU

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I. Course Identification and General Information:

1.	Course Title:	Community Dentistry				
2.	Course Code:	09.11.923				
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
			Lecture	Tutorial/ Seminar	Lab	Clinical
		2	2			
4.	Level/ Semester at which this Course is offered:	Level 3/ Semester (2)				
5.	Prerequisite (if any):	None				
6.	Co-Requisite (if any):	None				
7.	Program (s) in which the Course is Offered:	Bachelor of Dental Surgery (B.D.S).				
8.	Medium of Instruction:	English				
9.	Study System:	Semester-Based System				
10.	Mode of Delivery:	Theoretical knowledge and practical skills				
11.	Location of Teaching the Course:	University				
12.	Prepared by:	Assistant Prof. Omar Ahmed Aldossari				
13.	Date of Approval:	2025				

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Reviewed by:

II. Course Description:

This course aims to provide students with basic factors that influence oral health, including social, cultural, economic, and political indicators of health and their impact on general health.

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to Community dentistry	- Definition - Historical background and development - Basic terms and importance.	1	2	a1, a2, b1, c1, c2, d1
2	Epidemiological Methods	- Aims - Epidemiologic Triad - Measurements in Epidemiology - Epidemiologic Methods - Descriptive Epidemiology - Analytical Epidemiology - Experimental Epidemiology - The Epidemiologist - Terminologies in Epidemiology - Steps in Investigation of an Epidemic	1	2	a1, a2, b1, c1, c2, d1
3	Epidemiology of Oral Diseases	- Epidemiology and Etiology of Dental Caries - Epidemiology, Etiology, and Prevention of Periodontal Diseases - Epidemiology, Etiology, and Prevention of Oral Cancer - Epidemiology, Classification, and Etiology of Malocclusion	2	4	a1, a2, b1, c1, c2, d1

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V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		Epidemiology of Dental Fluorosis			
4	Infection Control and Sterilization	- Airborne Infection - Infection Control: Clinical Procedures of Sterilization - Barriers for Patient and Clinician (Personal Protection of the Dental Team)	2	4	a1, a2, b1, c1, c2, d1
5	Revision		1	2	a1, a2, b1, c1, c2, d1
6	Midterm Exam		1	2	a1, a2, b1, c1, c2, d1
7	Indices for Oral Diseases	- Indices for Oral Diseases - Plaque Index (PII) - Patient Hygiene Performance (PHP) Index - Oral Hygiene Index (OHI) - Simplified Oral Hygiene Index (OHI-S)	1	2	a1, a2, b1, c1, c2, d1

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V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
8	Indices for Oral Diseases	- Sulcus Bleeding Index (SBI) - Gingival Index (GI) - Periodontal Index (PI) - Periodontal Disease Index (PDI) - The Community Periodontal Index of Treatment Needs (CPITN) Mobility Index	1	2	a1, a2, b1, c1, c2, d1
9	Indices for Oral Diseases	- Decayed–Missing–Filled Index (DMF Index) - Decayed–Missing–Filled—Surface (DMFS) Index - SIC Index - Caries Indices for Primary Dentition - Dean's Fluorosis Index - Community Fluorosis Index (CFI)	1	2	a1, a2, b1, c1, c2, d1
10	Planning, Survey and Evaluation Planning	Planning: - Types of Health Planning - Steps in Planning Process Survey: - Types of Investigation - Basic Oral Health Survey - Steps in Survey Evaluation: - Purpose of Evaluation Criteria - Types of Evaluation: Basic Steps in Evaluation	2	4	a1, a2, b1, c1, c2, d1
11	Dental Auxiliaries	- Definition - Classification - WHO Classification - Revised Classification	1	2	a1, a2, b1, c1, c2,

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V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Subtopics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
					d1
12		Revision	1	2	a1, a2, b1, c1, c2, d1
13		Final Examination	1	2	a1, a2, b1, c1, c2, d1
Number of Weeks /and Units Per Semester			16	32	

V. Teaching Strategies of the Course:

- Active Lectures:
- Discussion.
- Case Study
- Examples.
- Brainstorming.
- Cooperative learning
- Assignments.
- Tutorials
- presentation
- Practical Session
- Directed self-learning based on using the Web Computer
- Field visit assignments (Schools, Communities, orphanages, etc.).

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VI. Assessment Methods of the Course:

Midterm Theoretical Exam
Assignments
Final Practical Exam
Final Theoretical Exam

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