



King Saud University, College of Dentistry
Department of Periodontics and Community Dentistry
DIVISION OF COMMUNITY DENTISTRY

493 PCS
Dental Public Health and
Community Dentistry
ACADEMIC YEAR 1434-1435H (2013-2014G)

Principles of Dental Public Health	-	First Semester
Community Dentistry	-	Second Semester

Course Director : **Dr. Hassan Halawany**

COURSE DESCRIPTION:

The first part of this course is designed to provide 5th Year dental student with awareness to the principles and activities of Dental Public Health, in addition to knowledge on the application of sciences of epidemiology and biostatistics in dental public health. The second part of the course will explore the concepts of the dental public health in the light of the oral health problems in the Kingdom of Saudi Arabia.

COURSE OBJECTIVES:

At the end of this course, students will be able to:

1. Recognize the basics of Dental Public Health and Community Dentistry.
2. Identify the basics of epidemiology, ethics and research methodology in relation to Dentistry.
3. Recognize the Oral health status in Saudi Arabia
4. Define the basics of occupational hazards and infection control in dentistry.
5. Develop awareness to the common problems and activities in Dental Public Health.
6. Evaluate the dental literature and distinguish the quality of scientific publications.
7. Develop a community dental public health educational program targeting a specific segment of the population with a specific dental health problem.
8. Apply the sciences of epidemiology and biostatistics in Dentistry.

CREDIT HOUR : Three Credit Hours

COURSE ASSESSMENT:

The final grade of the course will be based on the following:

First examination	-	10%
Second examination	-	10%
Critique project	-	15%
Final examination	-	15%
Community project	-	50%

To obtain a passing grade the student need to have a final cumulative score of **60%**.

Time : **Tuesday AM**

REQUIRED TEXTBOOK:

Dentistry, Dental Practice and the Community, 6th Edition
By: Burt and Eklund, Saunders, 2005

Recommended Reading:

- a. Principles of Dental Public Health
By: J.M. Dunning
- b. Dental Public Health
By: Geoffrey Slack
- c. Statistical Methods for Health Care Research
By: Barbara H. Munro & Ellis B.

NOTE : Students are strongly advised to purchase the required textbook for the course which will be used in the first and second semester.

LECTURE COURSE ORGANIZATION:

The course is a lecture style and there is a practical link with the community project. The major emphasis will be on activities which put the principles of Community Dentistry into practice.

COURSE CONTRIBUTOR:

Dr. A. AlBadr, Dr. M. Helmi, Mr. N. Al-Maflehi

ATTENDANCE:

Please be reminded that absentees will be recorded for all students whom names appear on the class list. If any student is absent for more than 25% of the total lectures, she will not be permitted to sit for the final examination. No attendance will be recorded for students who come 10 minutes late for the lecture.

PRACTICAL PART

A- CRITIQUE PROJECT

- The class is divided into groups of 4-6 students each (according to class size).
- Each group is assigned a published article for critical evaluation given two weeks before their oral presentations.
- The critical evaluation should cover all essential steps presented in the class.
- Each group is required to submit a written report of the assigned critique on the **third (3) week of the second semester**.
- All Team members should participate in preparing the critique.

PLEASE NOTE: The report must be typed. Spelling and grammar must be checked for accuracy before submission of the reports.

B- HEALTH FIELD PROJECT

In coordination with the development of a precision approach to clinical prevention and patient education, it is proposed that you develop a prototype dental health education program. This program should be aimed and developed with specific audience in mind. Since, many public health activities require team work and coordination this project can provide for an experience in group health task accomplishment. Moreover, when developed, the program can be eminently applicable to the patient education needs of the academic clinical care program and to external programs such as the primary and secondary school system.

Assessment of the Community Project

The grade in this portion will be based on the results of a community project. At the end of the course, this grade will be combined with the lecture grade for the final grade.

Individual participation	-	15%
Group evaluation	-	20%
Written final report	-	15%
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Community Project Total	-	50%

Community Oral Health Program

You will organize, plan and implement an appropriate dental health education program for specific groups in Saudi Arabia which includes the following topics:

- a. General Dental Health
- b. Diet and Nutrition
- c. Dental Diseases
- d. Plaque Control Measures
- e. Fluoride Therapy
- f. Others (must be approved)

- You will demonstrate the ability to collaborate with other dental students in the development of an ideal dental health education program.
- You will be able to discuss, analyze and constructively criticize dental health education programs developed by fellow students.
- You will help to develop a program incorporating the finalized critique versions of your developed dental health education modules.
- You will increase your perspective on the current programs for dental care and patient education in Saudi Arabia by taking field trips to special groups and presenting your dental health education program.

Set

There is a serious need for dental health education programs on oral health prevention in Saudi Arabia. Because of your role as dental graduates in the Kingdom it is your responsibility to develop and to implement dental education programs. This exercise is focused on providing you a valuable experience in group problem solving and team effort.

Resources and Strategies

You have learned in detail the principles of prevention and patient education in dentistry. Your team is to use this valuable experience plus the resources of the library, and faculty to develop this program. You are expected to delegate task to members of your team and to work on this project during time, inside and outside class meetings hours.

NOTE: This schedule must be strictly adhered to.

School projects should be implemented during the fourth, fifth, sixth, seventh and eighth week of the second semester. A lecture on methods of data analysis will be given on the eight week during the practical session.

VERY IMPORTANT NOTICES

ALL FINAL REPORTS AND JOURNALS MUST BE TURNED IN DURING THE **THIRTEENTH WEEK** OF THE SECOND SEMESTER. ANY MATERIALS TURNED IN LATER WILL AFFECT THE GRADE GREATLY.

SOME OF THE PROJECT EDUCATIONAL MATERIALS DEVELOPED MUST BE PROVIDED TO THE DIVISION OF COMMUNITY DENTISTRY AND TO THE COLLEGE OF DENTISTRY FOR FURTHER DISTRIBUTION. SUFFICIENT QUANTITIES SHOULD BE PRINTED UP FOR THIS PURPOSE.

STUDENTS SHOULD ORGANIZE INTO GROUPS WHICH CAN PROVIDE FOR THEIR OWN TRANSPORTATION TO THE SCHOOLS. THE COLLEGE DOES NOT HAVE ENOUGH VEHICLES TO PROVIDE TRANSPORTATION.

GETTING A SPONSOR IS NOT A SPECIFIC REQUIREMENT FOR THIS COURSE DO NOT PUT UNDUE EMPHASIS ON GETTING A SPONSOR. GETTING A GOOD SPONSOR WILL NOT AFFECT YOUR GRADE. THE PROCESS OF GETTING SPONSOR IS AN EXERCISE IN NEGOTIATION AND LEARNING HOW TO GET COMMUNITY SUPPORT. IF YOUR GROUP FINDS A COMPANY TO SUPPORT YOUR PROJECT, THE NAME OF THE COMPANY SHOULD BE WRITTEN IN SMALL SIZE PRINT ON ANY MATERIALS YOU PRINT. (e.g. COMPLIMENTS OF).

COMMUNITY HEALTH FIELD PROJECT FOLDER (THIRTEENTH WEEK)

The folder should be submitted during the twelfth week and should contain the following:

1. GROUP FINAL REPORT (One / Group)
2. PROGRAM PLANNING (One / Group)
3. TWO COPIES OF EDUCATION LECTURE.
4. SIGNED AND STAMPED SCHOOL VISIT FORMS.
5. SAMPLES OF AUDIO-VISUAL MATERIAL PRODUCED (Phamphlets, posters, etc. sufficient quantities for further distribution).
6. LIST OF SPONSOR'S NAME WITH CONTACT NUMBER.
7. RECIEPTS OF PURCHASE RELATED TO EDUCATIONAL MATERIALS DEVELOPED.

It is recommended that each member of the class should keep a personal copy for all the items above for future reference and to be able to continue the education programs in the future.

/Betchay. September 2, 2013

LECTURE SCHEDULE - 493 PCS

First Half of Academic Year 1434-1435H [2013 - 2014G] First Semester

Session No.	Date	Topic	Lecturer	Reading
1	03 Sept. 13	Public Health: Introduction to Course	Dr. Halawany	Orientation
2	10 Sep. 13	Concepts and Principles of Public Health	Dr. Halawany	Burt, Chap. 4
3	17 Sep. 13	Planning and organization of dental health programs	Dr. AlBadr	Additional reading
4	23 Sep. 13	NATIONAL DAY HOLIDAY		
5	01 Oct. 13	Epidemiology, Concepts and Principles	Dr. Halawany	Additional reading
6	08 Oct. 13	The Measurement of Oral Disease	Dr. AlBadr	Burt, Chap. 14
		HAJJ HOLIDAY 10 - 20 OCTOBER 2013		
7	22 Oct. 13	Measuring & Epidemiology of Dental Caries	Dr. Halawany	Burt, Chap. 15 & 20
8	29 Oct. 13	Measuring & Epidemiology of Periodontal Diseases	Dr. AlBadr	Burt, Chap. 16 & 21
9	Nov. 14	FIRST ASSESSMENT EXAM DATE TO BE ARRANGED		
10	12 Nov. 13	Oral health status in Saudi Arabia	Dr. Al-Badr	Additional reading
11	19 Nov. 13	Restricting the use of tobacco	Dr. AlBadr	Burt, Chap. 30
12	26 Nov.13	Research design in oral epidemiology	Dr. Halawany	Burt, Chap. 13
13	03 Dec. 13	Critical reading of the dental literature	Dr. AlBadr	Additional reading
14	10 Dec. 13	Reading the dental literature	Dr. AlBadr	Additional reading
15	17 Dec.13	An example of a papers evaluation	All Team	Additional reading
16	24 Dec. 13	Distribution and discussion of critique articles	All Team	
		SECOND ASSESSMENT EXAM DATE TO BE ARRANGED		

LECTURES SCHEDULE - 493 PCS

Second Half for Academic Year 1434-1435H [2013 - 2014G] Second Semester

Session No.	Date	Topic	Lecturer	Reference
1	28 Jan. 14	Evidence based dentistry	Dr. AlBadr	Burt, Chap. 13
2	04 Feb. 14	Infection control	Dr. Halawany	Additional reading
3	11 Feb. 14	Dental Health education	Dr. Halawany	Additional reading
4	18 Feb. 14	Community project implementation	All Team	
5	25 Feb. 14	Community project implementation	All Team	
6	04 Mar. 14	Community project implementation	All Team	
7	11 Mar. 14	Community project implementation	All Team	
8	18 Mar. 14	Community project implementation	All Team	
		MIDTERM HOLIDAY 20 – 28 MARCH 2014		
9	01 Apr. 14	(Oral exam and journal critique)	All Team	
10	08 Apr. 14	Biostatistics (Project Data Analysis)	Mr. AlMaflehi	Additional reading
11	15 Apr. 14	Occupational hazards in Dentistry	Dr. Halawany	Additional reading
12	22 Apr. 14	International health organizations	Dr. Halawany	Additional reading
13	29 Apr. 14	Ethics in dentistry I (Principle features of Dental Ethics)	Dr. AlBadr	Additional reading
14	06 May. 14	Ethics in dentistry II (Research Ethics)	Dr. AlBadr	Additional reading
15	13 May. 14	Oral presentation of the community project	All Team	
		FINAL ASSESSMENT EXAM		

