

SYLLABUS

COURSES: DHCT 3303 / DHBS 4303 Community Dental Health
DHCT 3403 / DHBS 4403 Community Dental Health Practice
SEMESTERS: Fall 2004/Spring 2005
CREDIT HOURS: 3.0 Fall
2.0 Spring

REVISED: 2004
REPRINTED: 2005

COURSE DIRECTOR: Donna P. Warren, R.D.H., M.Ed.

GOAL

The goal of this course is to acquaint the student with the concepts, methods, materials, and technology to promote dental health and prevent dental disease through organized, community-based programs. Having experienced the satisfaction of personal involvement, the student will continue to assume this professional role as a community health promoter.

Students will be introduced to their role as community health promoters in resolving critical issues in the current delivery system. The tools of epidemiology and biostatistics, the critical analysis of scientific literature, and the methods and materials necessary to teach dental health to community groups will be presented. Learning opportunities will be provided through a variety of didactic, laboratory, and extra-mural experiences. The students will have an opportunity to acquire skills in communication and motivational techniques, principles of learning/teaching, and media preparation and presentation.

OUTLINE

- I. Community Dental Health
 - A. Promotion through Prevention
 - B. Private vs. Public Sector
- II. Issues in Health Care
 - A. Access and Barriers to Health Care
 - B. Need, Demand, Utilization of Health Care
 - C. Health Care Providers, Settings, and Services
 - C. Financing and Cost of Health Care
 - D. Quality Assurance:
 - 1. Programs
 - 2. Mechanisms
- III. Assessing Needs of the Community
 - A. Research Design and Methodology
 - 1. Scientific Method
 - 2. Data Collection Instruments
 - 3. Dental /Periodontal Indices
 - B. Data Analysis and Presentation
 - 1. Biostatistics for dental professionals
 - 2. Reading the Scientific Literature
 - 3. Evaluating the Scientific Literature
 - C. Epidemiology of Dental Caries
 - D. Epidemiology of Periodontal Disease
 - E. Epidemiology of Other Oral Conditions

IV. Planning and Implementation of Community Programs

- A. Establishing priorities
- B. Goals and objectives
- C. Solutions and Proposals
- D. Community Health Programs
 - 1. Water Fluoridation
 - 2. Smoking cessation/prevention
 - 3. Public School Programs
- E. Evaluating Community Programs
 - 1. Process
 - 2. Product

OBJECTIVES

1. Discuss the network of elements that constitute the health care delivery system, with emphasis on the consumer, services provided, providers of services, setting, financing, and quality assurance.
2. Contact an appropriate service agency; conduct a needs assessment to identify the major dental educational needs; determine priorities; develop goals, objectives and activities; identify resources and constraints; consider alternative strategies; implement the educational program; and evaluate the teaching experience.
3. Apply statistical and epidemiological principles and methodology to critically evaluate scientific literature.
4. Compare and contrast the health promotion aspects of organizing, implementing, and maintaining a communal water fluoridation initiative; school water fluoridation program; smoking/smokeless tobacco cessation program; community-wide pit and fissure sealant program; denture identification program; oral cancer screening program.
5. Define and describe educational concepts and principles of health instruction, and apply the same to groups of individuals.
6. Demonstrate the ability to plan, organize, prepare, present, and evaluate a unit and a lesson on dental health, effectively utilizing a variety of teaching aids.
7. Select and effectively utilize appropriate instructional media materials to enhance the learning experiences of groups.

RESOURCES

I. Media Resources

A. Printed Media

1. Required text

DeBiase, C.B.
Dental Hygiene in Review, Lippincott Williams & Wilkins, 2002

2. Supplemental texts (available in the library)

Geurink, K.V.
Community Oral Health Practice

Cormier, P. & Levy, J. L.
Community Oral Health

Darby, M. L. & Bowen, D. M.
Research Methods for Oral Health Professionals: An Introduction

Mager, R. F.
Preparing Instructional Objectives

Miller, S. L.
Introductory Statistics for Dentistry and Medicine.

Striffler, D. F., Young, W. O., & Burt, B. A.
Dentistry, Dental Practice, and the Community.

STUDY PLAN AND REQUIREMENTS

The study of this course consists primarily of a lecture series, textbook assignments, and class activities. The supplemental textbooks provide additional resources on topics presented.

Students are required to attend scheduled lectures and read the required textbook assignments. Additional material is considered supplemental. **Weekly quizzes may be given on material presented previously and assigned readings.**

The fall semester course must be successfully completed prior to enrollment in the spring semester course.

Students are expected to participate in classroom discussions and role playing situations. This will necessitate preparation in advance of the class period in order to be familiar with the clinical case studies and to provide the necessary teaching-learning elements. Students are expected to have all materials required for class participation removed from the clinic cubicles prior to class in order to avoid disturbing clinic.

**DHCT 3303 / DHBS 4303 COMMUNITY DENTAL HEALTH
2005 Fall Semester Lecture Schedule**

Lecture: Wednesday 1-1:50 pm and Friday 9-10:50 am
Wednesday sessions scheduled in Room 446; Friday sessions scheduled in B81.
Please check monthly schedule for exam rooms.

Date	Session Topic	Readings/Assignments
Aug 17	Community Dental Health Role of the Dental Hygienist in Public Health	Geurink: Chp 1, 2, 8 DeBiase: pp. 479-480, 510-516 Handouts
Aug 19	Access and Barriers to Health Care; Need, Demand, Utilization of Health Care	Geurink: Chp 4 DeBiase: pp. 525 Handouts
Aug 24	Geriatric Dental Health	Geurink: pp. 156-157 Handouts
Aug 26	Oral Health Care Providers, Programs and Services	Geurink: Chp 5, pp. 123-124 Handouts
Aug 31	Dental Health Care Settings Financing of Health Care	Geurink: pp. 125-127 Handouts
Sep 2	Quality Assurance Programs/Mechanisms	Handouts
Sep 7	EXAM #1 Room 340	
Sep 9	Introduction to Dental Literature Critical Analysis of Dental Literature Measuring Community Oral Health: Assessment of Needs	Geurink: pp. 187-194, 210-218 DeBiase: pp. 541-542 Geurink: pp. 56-77, 79-97 DeBiase: pp. 521-526
Sep 14	Oral Health Disparities Epidemiology of Caries	Geurink: pp. 97-121 DeBiase: pp. 516-518 Handouts
Sep 16	Epidemiology of Periodontal Disease Epidemiology of Other Oral Conditions	DeBiase: pp. 518-521 Handouts TC Literature Reviews Due
Sep 21	EXAM #2 Room 340	
Sep 23	<i>TDHA</i> <i>No class</i>	
Sep 28-30	Research: Scientific Method	Geurink: Chp 6 DeBiase: pp. 537-546 Sep 28: Indices Worksheets Due

Date	Session Topic	Readings/Assignments
Oct 5-14	Data Analysis Bio-statistics for Dental Professionals	Geurink: pp. 173-187 DeBiase: pp 525-528, 547-556 Statistics Worksheet Due Handouts
Oct 19	Exam #3 Room 340	
Oct 21	Designing Lesson Plans Writing goals and objectives	DeBiase: pp 521-529 TC Form #1 Due
Oct 26-28	Effective Community Dental Health Programs	Geurink: Chp 4 TC Goals/Obj Due
Nov 2-4	Program Planning, Implementation and Evaluation	DeBiase: pp. 528-529 TC Scripts due
Nov 9	Oral Health Promotion	Geruink: Chp 7 Handouts
Nov 11	Oral Cancer Prevention Programs and Tobacco Cessation Programs	Handouts
Nov 16	EXAM #4 Room 207	Handouts
Nov 18	Presentations	TC Storyboards due
Nov 23-25	<i>Thanksgiving Holiday</i>	
Nov 30	Presentations	
Dec 2	Course Evaluation Presentations	
Fri, Dec 9	FINAL EXAM Room 132 9-11:00 am	

EVALUATION METHODS

Students are expected to complete examinations as scheduled. If you are absent when an examination is to be given, follow the procedure for any absence by calling the secretary. Make-up examinations will be given **during final exam week** for excused absences only and only after consultation with the course director. Additional work may also be required to receive credit for the course by the decision of the course director.

Students are expected to complete all class/extra-mural activities within the scheduled time periods. The student will not receive credit for the course if all experiences are not completed by the end of the semester. All experiences must be made-up during the scheduled time.

Attendance at all classes is expected.

Students earning less than 75% on any examination will be required to conference with the course director. Additional work may be required.

Students are expected to maintain high standards of integrity in all aspects of this course. Students are expected to do their own assignments and to report any observed breaches as soon as possible after the incident to the Associate Dean for Academic Affairs and the Assistant Dean for Student Affairs. The penalty for scholastic dishonesty, as described by the Board of Regents' *Rules and Regulations*, can be disciplinary probation, withholding of transcript or degree, barring against readmission, failing grade, denial of degree, suspension from the institution for a period of time not to exceed one calendar year, or expulsion from the institution for a specific period of time not less than one year.

Extra Credit: Students may earn up to five (5) extra credit points for community service activities approved by the course director. Extra credit points cannot be used to pass the course in the event the semester average is below 75.

Baccalaureate candidates will be assigned leadership roles for group assignments and projects. Additional time will be required to meet with the course director.

Grading Summary

Four exams	40%
Final exam	20%
Worksheets/activities	5%
Table Clinics	
Objectives	5%
Literature Review	10%
Storyboards	5%
Scripts	5%
Presentations	5%
Attendance and Participation	5%

Grading Scale

A = 93 - 100
B = 84 - 92
C = 75 - 83
F = 0 - 74