

COURSE INFORMATION

COURSE PREFIX/NO: **DHG 230**
COURSE TITLE: **Public Health Dentistry**
LECTURE HRS/WK: 3.0
LAB HOURS: 0.0
CREDIT HRS/SEMESTER: 3.0

[DL ATTENDANCE/VA STATEMENT](#)
[TEXTBOOK INFORMATION](#)

COURSE DESCRIPTION

This course provides a study of oral health and the prevention of oral disease in the community. Emphasis is on assessment of community groups and dental health needs, planning, implementation, and evaluation of community programs.

Co-Requisite: DHG 143, DHG 255

Pre-Requisite: DHG 175, DHG 239, DHG 140

LEARNING OBJECTIVES

1. Identify the ethical and legal issues affecting dental care.
2. Define dental public health and describe the role of the dental professional in the community.
3. Describe the current dental care delivery system and discuss the social, economic and factors which influence the utilization of services.
4. Identify the needs of a target population through appropriate assessment techniques.
5. Describe the role of the government in public health service at the federal, state, and local level including legislation, funding and methods of health care delivery.
6. Discuss current trends in the provision and financing of dental care.
7. Critically evaluate the methods, design, biostatistics and conclusions evident in current dental research.
8. Describe epidemiological trends of oral diseases including dental caries, periodontal disease, and oral cancer in various populations, and demonstrate the use of various surveys designed to collect epidemiological data.
9. Demonstrate knowledge and skills in program planning and development.
10. Describe various methods of program evaluation and discuss when

each is appropriate.

11. Read, evaluate and critique dental publications in professional journals.

12. Develop an awareness of the historical concepts and practices that have evolved to become identified as public health.

13. Understand and apply the techniques of basic statistical concepts for selected populations in the following areas:

- a. oral epidemiology
- b. dental health education
- c. health promotion strategies
- d. prevention, control and treatment of dental diseases

14. Discuss the following preventive measures and describe their purpose in preventive activities and health promotion.

- a. water fluoridation
- b. fluoride mouthrinse
- c. fluoride tablets
- d. fluoride gel - professionally applied
- e. nutritional counseling
- f. plaque control instruction
- g. sealants
- h. prophylaxis

TEXT: Community Dental Health, Anthony J. Jong, 4th edition

REFERENCE TEXTS

Dentistry, Dental Practice & The Community, Burt/Eklund, 4th edition

Clinical Practice of the Dental Hygienist, Wilkins, 8th edition

COURSE REQUIREMENTS

In order to successfully complete DHG 230, the student is required to fulfill the following requirements:

1. attend all lecture sessions
2. take all written tests with a minimum grade of 80%.
3. complete all reading assignments prior to class sessions
4. write (2) two critiques of recent dental articles from professional dental journals.
5. research and deliver a Table Clinic
6. prepare and submit a Community Project and Presentation Evaluation
7. prepare and submit a Health Site Visit and Evaluation

METHOD OF INSTRUCTION

Lecture Professional Journals
Audio Visuals Case Studies/Collaborative Discussions

EVALUATION STRATEGIES

Each student will earn a course grade from the following categories:

A. Written Tests

Students will be evaluated on the subject matter by means of written tests. The tests will be multiple choice, matching and short essays.

B. Literary Critiques

Each student will select 2 dental research articles published in current dental journals and write a one (1) page typed evaluated evaluation of the article. Criteria for the critiques will be distributed to each student at the beginning of the semester. See attached critique form.

The journals in the York Tech Library available to students include those listed below. Article critiques are not limited to these professional dental journals. Other articles can be obtained through the use of the Internet. Internet addresses will be provided.

JOURNAL TITLES

Dental Abstracts
Dental Hygiene - Journal of Dental Hygiene
Inter. Jour. of Periodontics
Jour. of Clinical Periodontology
Jour. of Dental Hygiene
Jour. of Practical Hygiene
Jour. of Public Health Dentistry
Parch. Periodon. & Aesth. Dent.
Special Care in Dentistry
Dental Assisting Jour.
Dental Products Report
Jour. of the ADA - JADA
Jour. of Oral Surg. Oral etc.
Jour. of AADS
Compendium of Curriculum Guides
Compendium of Cont. Ed. in Dentistry

C. Community Project

Each student will be required to complete an approved Community Project and Presentation Evaluation. Please see written criteria for detailed information.

D. Health Site Visit and Evaluation

Each student is required to complete a Health Site Visit and Evaluation. Please see attached handout concerning details.

E. Table Clinic Presentation

Students will present completed Table Clinics at the Holiday Dental Conference which is held in Charlotte in December. Preparation of the Table Clinic research is done in DHG 230. These presentations will be given to dental professionals attending the conference.

Evaluation of the Table Clinic Presentations will be performed by appointed evaluators using the criteria stated to you in class. The grade will be the total of the evaluation.

Absenteeism

Students who are absent from any lecture must contact the instructor prior to the class. Any student who does not inform the instructor of the absence on a test day will have seven (7) points deducted from the test grade.

Students are responsible for making an appointment with the Instructor to set-up a time to take the test. Students must make-up the missed test within one (1) week or a grade of zero (0) will be given for that test.

Any absences in excess of three (3) will be grounds for dismissal from the program. If a student is absent more than three (3) consecutive days, a doctor's statement will be needed.

GRADING

The final grading scale for DHG 230 is as follows:

100-94 A
93-87 B
86-80 C
79 and below F

The grade for DHG 230 will be determined as follows:

Written Tests 40%
Health Site Visit 15%
Community Project 15%
Two Article Critiques 10%
Table Clinic Presentation 5%
Final Exam 15%

100%

**PUBLIC HEALTH DENTISTRY
DHG 230
LECTURE OUTLINE**

1. Introduction
 - A. Definitions
 - B. Philosophy
 - C. Public Health vs. Private Practice
 - D. Forms of Service
 - E. Role of Government
 - F. Role of Hygienist
 - G. Trends in Dentistry
2. Dental Health Education
 - A. Learning Theories
 - B. Preparation for Teaching
 1. Assessment
 2. Objectives
 3. Lesson Plans
 - C. Implementation
 - D. Evaluation
 - E. School Programs
 - F. Community Programs
3. Prevention of Disease
 - A. Prevention
 - B. Knowledge
 - C. Ideal Public Health Measures
 - D. Community Fluoridation
 - E. Dietary Supplements
 - F. Fluoride Mouth Rinses
 - G. Other forms of Fluoride
 - H. Combined use of Fluoride
 - I. Pit and Fissure Sealants
 - J. Nutritional Counseling
 - K. Plaque Control
 - L. Periodontal Disease
 - M. Other Diseases and Conditions
4. Epidemiology
 - A. Definitions
 - B. Role of Host, Agent, Environment
 - C. Divisions
 - D. Types of Studies
 - E. Use of Epidemiology
 - F. Incidence/Prevalence
5. Factors Affecting the Practice of Dentistry
 - A. Definitions
 - B. Barriers to Utilization
 - C. Demographics
 - D. Status of Dental Personnel
 - E. Delivery Care Systems
 - F. Financial Considerations
 - G. Methods of Reimbursement
 - H. Malpractice
 - I. Industry and Dental Hygiene
 - J. Provider Type Arrangements

6. Planning for Community Programs
 - A. Definitions
 - B. Steps in Planning
 - C. Assessment
 - D. Analysis
 - E. Goals and Objectives
 - F. Resource Identification
 - G. Implementation
 - H. Evaluation
7. Biostatistics
 - A. Definition
 - B. Uses
 - C. Statistical Techniques
 - D. Population
 - E. Sample
 - F. Descriptive Data Display
 - G. Measures of Central Tendency
 - H. Variability
 - I. Normal Care
 - J. Correlation Coefficients
8. Research Methodologies
 - A. Definitions
 - B. Purpose
 - C. Research Process
 - D. Judging Professional Literature