

Dental Hygiene (DNLT) 2244 Community Oral Health II (2 Units) CSU
[formerly Dental Hygiene 44]

Prerequisite: Prerequisite: Successful completion of all first, second, and third semester dental hygiene program courses with a grade of 'C' or better.

Advisory: None

Hours and Units Calculation:

32 hours lecture. 64 Outside-of-class-Hours (96 Total Student Learning Hours) 2 Units

Catalog Description: This course expands on the dental hygienists' role in the community by examining epidemiological patterns of oral diseases and methodologies used in oral health research.

Type of Class/Course: Degree Credit

Text: Nathe, Nielsen Christine. *Dental Public Health & Research: Contemporary Practice for the Dental Hygienist*, 4th ed., Pearson, 2017.

Additional Instructional Materials: None

Course Objectives:

By the end of the course a successful student will be able to:

1. Describe the research methods used in community dental health
2. Explain the importance of evidence-based research in relation to patient treatment.
3. Discuss oral epidemiological terminology and current trends.
4. Interpret oral health data by proper application of statistical principles and tests.

Course Scope and Content:

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| Unit I | A. Research in Dental Hygiene
B. Research in Dental Public Health
C. Historical Aspects of Research in Dental Hygiene
D. Ethical Principles in Research |
| Unit II | The Research Process
A. Research Approaches
B. Sampling Techniques |
| Unit III | Biostatistics |



- A. Descriptive Statistics
- B. Graphing Data
- C. Correlation
- D. Inferential Statistics
- E. Interpretation of Data and Research Results

- Unit IV Oral Epidemiology
- A. Terminology
 - B. Measurement in Epidemiology
 - C. Epidemiology Surveillance and Reports
 - D. Validity of Epidemiological Studies
 - E. Current Oral Epidemiological Findings

- Unit V Evaluation of Scientific Literature and Dental Products
- A. Regulation of Dental Care Products
 - B. Evaluation of Advertisements
 - C. Evaluation of Scientific Literature

- Unit VI Careers in Dental Public Health
- A. Federal/National Public Health Career Opportunities
 - B. State Opportunities
 - C. Local Opportunities

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 4 hours per week outside of required class time doing the following:

1. Planning and implementing an oral health education program for a selected target population
2. Homework Assignments

Methods of Instruction:

1. Lecture
2. Discussion
3. Group Activities
4. Guest speakers

Methods of Evaluation:

1. Quizzes
2. Written Assignments
3. Exams
4. Oral Presentations
5. Research Project

Supplemental Data:

TOP Code:	124020: Dental Hygienist
SAM Priority Code:	B: Advanced Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	1: Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	NO
Taft College General Education:	NONE
Discipline:	Dental Technology