

DH 81 Course Outline as of Fall 2020**CATALOG INFORMATION**

Dept and Nbr: DH 81 Title: COMMUNITY DENTAL HEALTH

Full Title: Community Dental Health

Last Reviewed: 2/7/2022

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

This course is designed to provide an insight into the opportunities for dental hygienists to work in community settings and public health. Students will learn the principles of public health through classroom and field experience. Students will participate in presentations in the field and in a community service learning experience.

Prerequisites/Corequisites:

Course Completion of DH 72

Recommended Preparation:**Limits on Enrollment:****Schedule of Classes Information:**

Description: This course is designed to provide an insight into the opportunities for dental hygienists to work in community settings and public health. Students will learn the principles of public health through classroom and field experience. Students will participate in presentations in the field and in a community service learning experience. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 72

Recommended:
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 2000	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Recognize the role of the dental hygienist within a community setting as a health care provider, educator, and consultant, and to provide assistance to community groups and individuals seeking access to public dental services.
2. Describe the use of biostatistics in oral epidemiology in the development of community based dental programs.

Objectives:

Students will be able to:

1. Discuss the role of the dental hygienist in the public health system.
2. Describe the major oral health problems and the extent to which they affect the population.
3. Identify social, cultural, economic, and political factors influencing oral health problems.
4. Describe preventive measures that can be used in a community to reduce or control the major oral health problems.
5. Discuss ways in which members of a community currently receive oral health care and other health services, including privately and publicly funded services.
6. Discuss future trends in the delivery of health care and manpower utilization as they relate to meeting community oral health needs and demands.
7. Assess, by means of indices, surveys, questionnaires, interviews and other means, the oral health needs of a target group.
8. Design a program that includes results and interpretation of a needs-assessment survey for a target group.
9. Develop and present a dental learning unit to school-age children
10. Summarize a community service learning experience in measurable terms.
11. Compare and contrast dental public health and private practice.
12. Explain the dental hygiene process of care used in a community setting.
13. Discuss epidemiology and how it relates to dental caries and periodontal disease, including agent, host and environmental factors.

14. Utilizing epidemiology in conjunction with the statistical and research methods, compare specific defined populations.
15. Explain the demand for utilization of and barriers to dental services for different population groups.
16. Identify the various methods of financing dental care.
17. Discuss the impact of the fluoridation issue on society.
18. Evaluate and analyze dental literature.
19. Create a strategy and lesson plan for field visits to specific groups in the community.
20. Develop and implement a Community Service Learning activity.
21. Evaluate dental products.
22. Discuss dental research with respect to literature review, sampling techniques, design, methods, data acquisition and interpretation, guidelines and regulations.

Topics and Scope:

I. Principles of Dental Public Health

- A. Definition of Public health
- B. Core public health principles
- C. Historic highlights in dental public health
- D. Public health infrastructure
- E. Dental hygiene treatment in public health and private practice.

II. Trends in Dental Public Health

- A. Oral health disparities
- B. Access to Care
- C. Financing of public health and oral health
- D. Factors affecting dental public health
- E. Dental healthcare workforce
- F. Cultural, economic, and diversity issues
- G. Preventative measures
- H. Strategic planning

III. Employment Opportunities in Public Health

- A. Federal/national
- B. State/county/local
- C. Education
- D. Research
- E. Industry/corporate
- F. Consultant/volunteer

IV. Distribution and Prevention of Dental Disease

- A. Demands of dental service for elderly and children
- B. Major health problems affecting populations
- C. Prevention in pediatric and geriatric dentistry
- D. Publically and private funded services
- E. Impact of transmissible dental disease
- F. Analyze future trend in delivery of dental health care in public health
- G. Three major primary preventive measures effective in preventing oral disease

V. Program Planning and Evaluation

- A. Field visits
- B. Needs assessment/target population
- C. Planning the program
- D. Implementation
- E. Evaluation
- F. Summary

VI. Fluoridation and other Preventive Measures

- A. Physiology and metabolism of fluoride
- B. Cost and manpower requirements for starting a fluoride program
- C. Most effective fluoride application in public health
- D. Alternative to fluoride
- E. Self-application and water fluoridation
- F. Barriers to fluoride
- G. Arguments against fluoride
- H. Social factors as a barrier to fluoridation and de-fluoridation
- I. Prenatal fluoride consumption

VII. Oral Epidemiology of Dental Diseases

- A. Multifactorial nature.
- B. Oral epidemiology of oral diseases
- C. Oral epidemiology reports

VIII. Research in Dental Hygiene

- A. Research and dental public health
- B. Types of research
- C. Research design
- D. Research methods

IX. Informed Consent with Human Subjects

X. Biostatistics

- A. Categorizing data
- B. Descriptive statistics
- C. Graphing data
- D. Inferential statistics
- E. Interpretation of data

XI. Evaluation of Literature

- A. Purpose
- B. Research design
- C. Sample selection
- D. Examiners
- E. Statistical significance
- F. Results

XII. Careers in Dental Public Health

- A. U.S. Public Health Service
- B. U.S. Civil service
- C. National Health Service Corps
- D. Veterans Affairs Hospital dental clinics
- E. Military bases
- F. Federal prisons
- G. International opportunities

Assignment:

1. Reading assignments (1-2 chapters per week)
2. Quizzes (4-8)
3. Exams (midterm and final)
4. Community Service Learning Project
5. Oral health education presentations (2)
6. Scientific literature review

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Scientific literature review; report on Community Service Learning Project

Writing
40 - 50%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Oral health education presentations

Problem solving
15 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, midterm, final exam

Exams
30 - 40%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Dental Public Health and Research. 4th ed. Nathe, Christine. Pearson. 2017