



# ILLINOIS VALLEY COMMUNITY COLLEGE

## COURSE OUTLINE

**DIVISION:** Health Professions

**COURSE:** DLH 2215 Community Dental Health

Date: Spring 2024

Credit Hours: 2

*Complete all that apply or mark "None" where appropriate:*

Prerequisite(s): Acceptance into the Dental Hygiene A.A.S Degree Program

Enrollment by assessment or other measure?  Yes  No

If yes, please describe:

Corequisite(s): None

Pre- or Corequisite(s): None

Consent of Instructor:  Yes  No

Delivery Method:	<input checked="" type="checkbox"/> <b>Lecture</b>	<b>2 Contact Hours</b> (1 contact = 1 credit hour)
	<input type="checkbox"/> <b>Seminar</b>	<b>0 Contact Hours</b> (1 contact = 1 credit hour)
	<input type="checkbox"/> <b>Lab</b>	<b>0 Contact Hours</b> (2-3 contact = 1 credit hour)
	<input type="checkbox"/> <b>Clinical</b>	<b>0 Contact Hours</b> (3 contact = 1 credit hour)

Offered:  **Fall**  **Spring**  **Summer**

**CATALOG DESCRIPTION and IAI NUMBER (if applicable):**

This course presents concepts of health education and promotion, community dental health, and public health dentistry. Students gain background knowledge in assessment, planning, implementation, and evaluation of community oral health programs. Field experience in selected social settings permits student participation in community health care planning.

## **ACCREDITATION STATEMENTS AND COURSE NOTES:**

Curriculum content: Dental hygiene science content must include oral health education and preventive counseling, health promotion, patient management, clinical dental hygiene, provision of services for and management of patients with special needs, community dental/oral health, medical and dental emergencies, legal and ethical aspects of dental hygiene practice, infection and hazard control management, and the provision of oral health care services to patients with bloodborne infectious diseases. (2-8.d)

- Curriculum content: General education content must include oral and written communications, psychology, and sociology. (2-8.a)
- Patient Care Competencies:
  - Graduates must demonstrate competence in:
    - Assessing the oral health needs of community-based programs (2-16.a)
    - Planning an oral health program to include health promotion and disease prevention activities (2-16.b)

## **COURSE TOPICS AND CONTENT REQUIREMENTS:**

- I. Dental Public Health
  - a. Public health
  - b. Evolution of public health science and practice
  - c. Dental public health
  - d. Factors affecting dental public health
- II. Prevention Movement
  - a. History of dental hygiene in relation to dental public health
  - b. Historical development and mission of the American Dental Hygienists' Association
  - c. Current public health preventive modalities practiced today
  - d. Preventive modalities in dental public health practice
- III. Dental Care Delivery in the United States
  - a. Dental health in the United States
  - b. Government agencies related to dental hygiene
  - c. Function of federal, state, and local government
  - d. Dental workforce issues
  - e. Need, supply, demand, and utilization
- IV. Financing of Dental Hygiene Care
  - a. Methods of payment
  - b. Terminology
  - c. Insurance plans
  - d. Role of the government
- V. Advocacy for Dental Hygiene Care
  - a. Roles that the dental hygienist can assume as an agent of change
  - b. Various levels of change agent performance
  - c. Tools and resource models
  - d. Role of the change agent in policy making
  - e. Partnership and coalition development
  - f. Components of grant writing

- VI. Dental Hygiene, Global Community
  - a. Dental hygiene in countries other than the United States
  - b. Global oral health challenges
  - c. Historical perspective
  - d. Global workforce distribution and access
  - e. Changes in dental hygiene and work roles
  - f. Changes in professional regulation
  - g. Gender issues
  - h. Portability of licensure and other professions providing care
  - i. Challenges of global oral health
- VII. Federal and State Legislation Affecting Dental Hygiene Practice
  - a. Legislative process in the United States
  - b. Major bodies of law in the United States
  - c. Entity responsible for regulation of the dental hygienist
  - d. Utilization of a dental hygienist without restrictive barriers
  - e. Legislative initiatives affecting dental hygienists in the United States
- VIII. Dental Health education and Promotion
  - a. Definition
  - b. Health education and promotion principles
  - c. Different learning and motivation theories
- IX. Lesson Plan Development
  - a. Dental hygiene process of care
  - b. Process of lesson plan development
  - c. Teaching methods
  - d. Characteristics of an effective teacher
  - e. Lesson plan
- X. Program Planning
  - a. Dental hygiene process of care program planning paradigm
  - b. Program planning paradigms
  - c. Dental public health programs
  - d. Dental public health program plan
- XI. Program evaluation
  - a. Mechanisms of program evaluation
  - b. Qualitative and quantitative evaluation
  - c. Dental indexes
- XII. Target Populations
  - a. Definition
  - b. Faith-based initiatives
  - c. Target profiles
  - d. Barriers to dental hygiene care
- XIII. Cultural Competency
  - a. Oral health habits
  - b. Communication
  - c. Culturally diverse population
- XIV. Careers in Dental Public Health
  - a. Governmental careers

- b. Dental hygiene positions in a variety of settings
- XV. Strategies for Creating Dental Hygiene Positions in Dental Public Health Settings
  - a. Populations most in need of dental hygiene care
  - b. Paradigm for creating a dental hygiene position
  - c. Protocol for a newly developed dental hygiene position
- XVI. Oral Epidemiology
  - a. Definition
  - b. Evidence-based practice
  - c. Epidemiologic terms
  - d. Measurement
  - e. Publications
  - f. Validity
- XVII. Current Oral Epidemiological Findings
  - a. Current issues of disease
  - b. Current issues of conditions
- XVIII. Biostatistics
  - a. Definition
  - b. Data
  - c. Descriptive, correlation and inferential statistics
  - d. Measures of central tendency and measures of dispersion
  - e. Construct frequency distributions and graphs
  - f. Research results
- XIX. Evaluation of Scientific Literature and Dental Products
  - a. Evaluate dental care products
  - b. Effective dental care products and treatment modalities
  - c. Evaluating dental care products
  - d. Dental research reported in dental and lay publications
- XX. Research in Dental Hygiene
  - a. Purpose of dental hygiene research
  - b. Evidence-based practice
  - c. Role of ethics
  - d. Role of government and private entities
  - e. Research and private practice
- XXI. Research Approaches and Design
  - a. Definition
  - b. Research designs
  - c. Methods used to conduct research studies
  - d. Research design

**INSTRUCTIONAL METHODS:**

- Lecture
- Flipped Classroom
- Slide Presentations
- Class discussion
- Demonstration
- Visual aids - videos, models, slides

- Exams and quizzes
- Community Service at local schools
- Problem solving exercises

### **EVALUATION OF STUDENT ACHIEVEMENT:**

Exams and quizzes  
 Research Project  
 Presentations

The following grading scale will be used as a guide in determining the final grade for this course:

A= 92-100  
 B= 83-91  
 C= 75-82  
 D= 68-74  
 F= 67 and below

### **INSTRUCTIONAL MATERIALS:**

#### **Textbooks**

Beatty, C. F. (2022). *Community Oral Health Practice for the Dental Hygienist* (5th ed.). Elsevier.

#### **Resources**

Evolve Resources for Community Oral Health Practice for the Dental Hygienist, 5th Edition

### **LEARNING OUTCOMES AND GOALS:**

#### **Institutional Learning Outcomes**

- 1) Communication – to communicate effectively;
- 2) Inquiry – to apply critical, logical, creative, aesthetic, or quantitative analytical reasoning to formulate a judgement or conclusion;
- 3) Social Consciousness – to understand what it means to be a socially conscious person, locally and globally;
- 4) Responsibility – to recognize how personal choices affect self and society.

#### **Course Outcomes and Competencies**

1. Discuss Dental Public Health
  - a. Define public health
  - b. Describe the evolution of public health science and practice
  - c. Define dental public health
  - d. Describe factors affecting dental public health
2. Discuss Prevention Movement
  - a. Describe the history of dental hygiene in relation to dental public health
  - b. Define the historical development and mission of the American Dental Hygienists' Association
  - c. List and describe the current public health preventive modalities practiced today

- d. Defend the need for preventive modalities in dental public health practice
3. Discuss Dental Care Delivery in the United States
  - a. Describe the state of dental health in the United States
  - b. Identify the government agencies related to dental hygiene
  - c. Compare the function of federal, state, and local government in dental care delivery
  - d. Describe dental workforce issues
  - e. Define need, supply, demand, and utilization
4. Discuss Financing of Dental Hygiene Care
  - a. Describe the current methods of payment for dental care
  - b. Define and apply terminology associated with financing dental care
  - c. Identify the different insurance plans available for dental care
  - d. Describe the role of the government in financing dental care
5. Discuss Advocacy for Dental Hygiene Care
  - a. Identify four roles that the dental hygienist can assume as an agent of change
  - b. Describe the various levels of change agent performance
  - c. Utilize tools and resource models to implement change
  - d. Identify the role of the change agent in policy making
  - e. Promote partnership and coalition development
  - f. Identify components of grant writing
6. Discuss Dental Hygiene, Global Community
  - a. Describe the evolution of dental hygiene in countries other than the United States
  - b. Identify global oral health challenges and the positioning of dental hygiene care
  - c. Describe the historical perspective of global dental hygiene
  - d. Describe the global workforce distribution and access to dental hygiene care
  - e. Explain changes in dental hygiene and work roles
  - f. Explain changes in professional regulation
  - g. Define gender issues related to the dental hygiene profession
  - h. Describe portability of licensure and other professions providing care
  - i. Explain the challenges of global oral health
7. Discuss Federal and State Legislation Affecting Dental Hygiene Practice
  - a. Explain the legislative process in the United States
  - b. Identify the major bodies of law in the United States
  - c. Describe the entity responsible for regulation of the dental hygienist
  - d. Advocate for the utilization of a dental hygienist without restrictive barriers
  - e. Describe the legislative initiatives affecting dental hygienists in the United States
8. Discuss Dental Health education and Promotion
  - a. Define dental health education and promotion
  - b. Describe health education and promotion principles
  - c. Outline the different learning and motivation theories
9. Discuss Lesson Plan Development
  - a. Explain the dental hygiene process of care
  - b. Describe the process of lesson plan development
  - c. Identify and describe teaching methods

- d. Identify the characteristics of an effective teacher
  - e. Develop a lesson plan
10. Discuss Program Planning
- a. Define the dental hygiene process of care program planning paradigm
  - b. Describe the various program planning paradigms
  - c. Describe various dental public health programs
  - d. Develop a dental public health program plan
11. Discuss Program evaluation
- a. Describe the mechanisms of program evaluation
  - b. Compare qualitative and quantitative evaluation
  - c. Identify various dental indexes and define their purpose
12. Discuss Target Populations
- a. Define target populations to whom dental hygienists may provide services
  - b. Describe faith-based initiatives
  - c. Define target profiles
  - d. Identify barriers to dental hygiene care
13. Discuss Cultural Competency
- a. Describe how cultural values regarding health care can affect oral health habits
  - b. Identify how culture influences the way people communicate
  - c. Define cultural competency and its significance in caring for a culturally diverse population
14. Discuss Careers in Dental Public Health
- a. Describe dental public health careers
  - b. Identify various governmental careers in dental public health
  - c. Define dental hygiene positions in a variety of settings
15. Discuss Strategies for Creating Dental Hygiene Positions in Dental Public Health Settings
- a. List the populations most in need of dental hygiene care
  - b. Describe the paradigm for creating a dental hygiene position
  - c. Develop protocol for a newly developed dental hygiene position
16. Discuss Oral Epidemiology
- a. Define oral epidemiology and describe the uses of epidemiology
  - b. Relate epidemiology to evidence-based practice
  - c. Define common epidemiologic terms
  - d. Relate measurement to epidemiology
  - e. List and describe various publications that report oral epidemiology in the United States
  - f. Describe ways to increase validity of epidemiologic research methods
17. Discuss Current Oral Epidemiological Findings
- a. Describe the current epidemiological issues of disease
  - b. Describe the current epidemiological issues of conditions
18. Discuss Biostatistics
- a. Define and describe data analysis and interpretation
  - b. Identify data by their type and scale of measurement
  - c. Define and describe descriptive, correlation and inferential statistics

- d. Select and compute appropriate measures of central tendency and measures of dispersion for various types of data
  - e. Describe and construct frequency distributions and graphs for various types of data
  - f. Interpret research results
19. Discuss Evaluation of Scientific Literature and Dental Products
- a. Describe how to evaluate dental care products
  - b. Defend the dental hygienists' value in advocating the use of effective dental care products and treatment modalities
  - c. Educate the public in evaluating dental care products
  - d. Effectively critique dental research reported in dental and lay publications
20. Discuss Research in Dental Hygiene
- a. Explain the purpose of dental hygiene research
  - b. Discuss the use of evidence-based practice in dental hygiene
  - c. Describe the role of ethics in research
  - d. Identify the role of government and private entities in research
  - e. Explain the connection between research and private practice
21. Discuss Research Approaches and Design
- a. Describe and compare various research approaches
  - b. Describe various research designs used in oral epidemiology
  - c. Describe methods used to conduct research studies
  - d. List the parts of a research design