



Course Number and Title: DHY 111 Dental Hygiene Fundamentals I

Campus Location:

Dover, Wilmington

Effective Date:

2018-51

Prerequisite:

CHM 110, SSC 100 or concurrent

Co-Requisites:

none

Course Credits and Hours:

3.00 credits

3.00 lecture hours/week

0.00 lab hours/week

Course Description:

This introductory dental hygiene care course focuses on clinic preparation procedures, patient assessment, and principles of instrumentation. Topics also include medical emergencies in the dental setting and initial supplemental procedures for patient care.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

Dental Hygiene First Year Student Kit

Dental Hygiene Policy and Procedures Manual

Allied Health/Science Department Program Student Policy Manual

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Describe clinical preparation techniques required to provide a safe working environment to protect the dental health team and their patients. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 3, 6)
2. Identify data provided by diagnostic aids to provide optimum patient care. (CCC 1, 2, 4, 5, 6; PGC 1, 2, 3)
3. Use assessment data to assist in planning dental hygiene treatment. (CCC 1, 2, 4, 5, 6; PGC 1, 2, 3, 4, 5, 6)
4. Identify the principles of dental hygiene instrumentation. (CCC 2, 4, 6; PGC 3, 4, 5, 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Describe clinical preparation techniques required to provide a safe working environment to protect the dental health team and their patients.
 1. Explain the principles of disease transmission and the protocol for infection control in the dental environment.
 2. Discuss the methods of disinfection and sterilization, including their advantages and limitations.
 3. Discuss various medically compromised patients and the specific influence these conditions may have on dental hygiene care.
 4. Discuss various types of medical emergencies and their treatment in the dental office.
2. Identify data provided by diagnostic aids to provide optimum patient care.
 1. List the components of the diagnostic work-up and the relevance of each in patient assessment and in the formulation of a treatment plan.
 2. Discuss the rationale for completing a comprehensive medical history, the components of a medical history, and the communication skills necessary for proper completion of the medical history.
 3. Identify the four vital signs, their respective normal range values, and the factors that influence each vital sign.
 4. Describe the procedures for determining a patient's vital signs.
 5. Describe the extraoral and intraoral examination in terms of examination methods and sequencing, normal anatomic structures and landmarks, and common abnormalities that may be detected.
 6. Discuss the procedure for examining the teeth and charting restorations and apparent carious lesions.
3. Use assessment data to assist in planning dental hygiene treatment.
 1. Prepare mock caries/restorative charts using data provided by the instructor.
 2. Prepare mock periodontal charts using data provided by the instructor.
 3. Classify the various types of dental deposits and stains.
 4. Discuss the indications, contraindications and action of various forms of fluoride.
4. Identify the principles of dental hygiene instrumentation.
 1. Discuss the basic principles of patient/operator/light positioning.
 2. Discuss the basic principles of instrumentation.
 3. Discuss the instrumentation techniques that apply to mirror usage, probing, exploring, and scaling.
 4. Identify the various examination and scaling instruments in terms of design and indications for selection.
 5. Discuss the rationale for polishing teeth.
 6. Describe the methods for polishing teeth, the types of polishing agents, and adjunct materials.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Collect and analyze baseline data in a critical and scientific manner regarding the patient's health status to determine dental hygiene treatment needs.
2. Utilizing professional communication skills and behaviors, initiate and responsibly advocate health care promotion and disease prevention for diverse populations.
3. Provide dental hygiene care in a safe manner.
4. Utilizing self-assessment skills, evaluate clinical performance and the effectiveness of dental hygiene treatment.
5. Accurately document information related to dental hygiene care through proper record keeping.
6. Recognize and manage the professional and ethical issues of dental hygiene practice in a dynamic environment.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.