



Course Number and Title: DHY 112 Dental Hygiene Fundamentals II

Campus Location:

Dover, Wilmington

Effective Date:

2018-51

Prerequisite:

DHY 111, SSC 100 or concurrent

Co-Requisites:

none

Course Credits and Hours:

3.00 credits

2.00 lecture hours/week

3.00 lab hours/week

Course Description:

A continuation of Dental Hygiene Fundamentals I, this course is designed to develop new skills appropriate to dental hygiene treatment. Its focus is on various patient populations, their characteristics, common treatment needs, and patient management in addition to ethical and legal issues of dental hygiene 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 Program Policy and Procedures Manual

Allied Health/Science Department Program Student Policy Manual

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Analyze 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 3, 6)
2. Analyze the characteristics associated with various patient populations and their influence on dental hygiene treatment planning, care, and patient management. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 6)
3. Apply the principles of accurate documentation of patient care. (CCC 1, 2, 3, 4, 5; PGC 1, 5)
4. Differentiate among various oral physiotherapy aids and techniques to assist in patient care. (CCC 1, 2, 3, 4, 5; PGC 2, 3)
5. Apply the principles of legal and ethical reasoning to dental hygiene practice with professional integrity. (CCC 1, 2, 3, 4; PGC 1, 2, 3, 5, 6)
6. Analyze supplemental procedures used to prevent oral disease and promote oral health. (CCC 1, 2, 4, 5, 6; PGC 3, 4)

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. Analyze clinical preparation techniques required to provide a safe working environment to protect the dental health team and their patients.
 1. Apply appropriate infection control protocol during all dental hygiene procedures.
 2. Demonstrate the proper operation and maintenance of dental equipment.
2. Analyze the characteristics associated with various patient populations and their influence on dental hygiene treatment planning, care, and patient management.
 1. Identify the characteristics associated with children, adolescents, adult, and geriatric patients.
 2. Summarize patient management techniques for children, adolescents, adult, and geriatric patients.
 3. Identify characteristics associated with pregnant and menopausal women.
 4. Summarize patient management techniques for pregnant and menopausal women.
 5. Discuss various people management skills, including listening and conflict management.
3. Apply the principles of accurate documentation of patient care.
 1. Discuss the rationale for accurate documentation.
 2. Prepare the assigned patient documentation exercises using appropriate clinic forms.
 3. Discuss the Health Insurance Portability and Accountability Act of 1996 (HIPAA).
4. Differentiate among various oral physiotherapy aids and techniques to assist in patient care.
 1. Discuss the role of the dental hygienist as an educator in the prevention of oral disease.
 2. Identify methods of patient motivation and behavior modification.
 3. Identify the purpose, characteristics, and uses of various indices.
 4. Discuss various oral physiotherapy aids including indications, contraindications, and techniques for their use.
5. Apply the principles of legal and ethical reasoning to dental hygiene practice with professional integrity.
 1. Discuss the legal ramifications of the practice of dental hygiene.
 2. Express personal concepts, beliefs, and viewpoints that have helped to shape their perceptions as a dental health care deliverer.
 3. Discuss the current ADHA Code of Ethics and ethical behavior in dental hygiene practice.
6. Analyze supplemental procedures used to prevent oral disease and promote oral health.
 1. Discuss the dental materials required for obtaining alginate impressions, bite registrations, and fabrication of study models.
 2. Demonstrate the techniques for obtaining alginate impressions, bite registrations, and pouring and trimming of study models.
 3. Discuss the indications and techniques for fabricating mouthguards/fluoride trays.
 4. Demonstrate the techniques for fabricating mouthguards/fluoride trays.
 5. Discuss the mechanism of action, indications, and contraindications for pit and fissure sealants.
 6. Demonstrate the techniques for application of pit and fissure sealants.
 7. Discuss professional and home care methods for cleaning removable prosthetic appliances.
 8. Demonstrate the technique for professional cleaning of removable prosthetic appliances.
 9. Discuss the principles of instrument sharpening.
 10. Demonstrate the technique for instrument sharpening.
 11. Discuss the principles of powered scaling instruments.
 12. Demonstrate the technique for use of the ultrasonic scaler.
 13. Identify various topical anesthetics and the indications for their use.
 14. Demonstrate the application of various topical anesthetics.
 15. Demonstrate preparation of the appropriate armamentarium for assisting in administration of local anesthesia.
 16. Discuss the principles of dental hypersensitivity.
 17. Demonstrate the procedures for applying desensitizing agents.
 18. Demonstrate the procedure for delivery of an oral irrigant.

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.