

Prepared by the Department of Health Sciences
 Date of Departmental Approval: January 18, 2018
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Effective: Fall 2018

1. Course Number: DEN123
Course Title: Dental Hygiene II

2. Description: This course continues the study of the dental hygiene process of care begun in DEN 121. The dental hygiene diagnosis and treatment care plan are introduced as well as specific treatment modalities. Emphasis is placed on the dental hygiene care and management of patients at each life stage and the management of the medically compromised patient. Additionally, individuals with physical, sensory and mental disabilities are studied.

3. Student Learning Outcomes (Intellectual Skills):

Outcomes
<p>I. Students will continue developing knowledge, skills and values relative to the dental hygiene process of care begun in Dental Hygiene I. Knowledge, skill and values will develop in the following areas:</p> <ul style="list-style-type: none"> • dental hygiene diagnosis • treatment (care) plans • evaluation and maintenance • dental and periodontal indices • care of dental appliances • sonic and ultrasonic instrumentation • dentinal hypersensitivity • medical emergencies
<p>II. At the conclusion of this course the student will be able to:</p> <ul style="list-style-type: none"> • Discuss the stages of normal development and apply the dental hygiene process of care to patients during pregnancy, infancy, childhood, adolescents, adulthood, menopause and senescence. • Discuss the barriers to dental/dental hygiene treatment that individuals who are medically compromised/disabled experience. • Discuss how the Americans with Disabilities Act of 1990 impacts the practice of dental hygiene. • Discuss disabled populations including: definitions and classifications <ul style="list-style-type: none"> • functional assessment, ADLs and IADLs • office design • mobile dentistry • homebound and bedridden patients • transfer techniques • adaptive aids • communication • Apply the dental hygiene process of care to patients who are medically compromised and/or disabled. Discuss the etiology, description including signs and symptoms, oral findings and dental hygiene management and treatment interventions for each of the following: <ul style="list-style-type: none"> • AIDS, HIV • acquired disabilities • arthritis and prosthetic implants • blood disorders • cancer patient • cardiovascular diseases • developmentally disabled • diabetes and endocrine disorders

<ul style="list-style-type: none"> • liver and renal disease • neurological disorders • oral surgery and fracture patient • psychiatric and behavior disorders • respiratory diseases • Sensitivity and allergic reactions • sensory disorders • musculoskeletal and physical impairment <ul style="list-style-type: none"> • Apply ethical, legal and regulatory concepts to the dental hygiene process of care for disabled and medically compromised patients.
<p>III. By assuming responsibility for a number of activities and projects via self-instruction, independent work and study groups, the student will begin to develop the following skills/characteristics that are essential for health care providers in the 21st century. They include:</p> <ul style="list-style-type: none"> • critical thinking/problem solving skills • accessing scientific literature • working interdependently in study groups • functioning in a team where responsibility and information are shared becoming lifelong learners
<p>IV. Begin to develop sensitivity towards the barriers encountered by individuals with disabilities by evaluating the Cape Cod Community College Dental Hygiene Clinic as a barrier free dental facility and participating in an activity whereby each student assumes a disabling condition.</p>

4. **Credits:** 2 credits

5. **Satisfies General Education Requirement:** No

6. **Prerequisite:** DEN121 (Dental Hygiene I)

7. **Semester(s) Offered:** Spring

8. **Suggested General Guidelines for Evaluation:** A grade C or greater is required to progress in the program. Evaluation methods include four exams and a minimum of three written assignments.

9. **General Topical Outline (Optional):**

Note: A self- instructional component of the course on developmental and acquired disabling conditions is spread throughout the course.

Week 1	Introduction to the course
	Dental Hygiene Treatment Planning
Week 2	American Disabilities Act
	Access to care
Week 3	Geriatric/Aging population
	Homebound alternative care settings
Week 4	Respiratory conditions
Week 5	Mental Health and Neurodevelopment
Week 6	Cleft Lip and Palate
	Oral and Maxillofacial Surgery
Week 7	Musculoskeletal/Physical Impairment
Week 8	Pregnancy
	Pediatric Care
Week 9	Cardiovascular
Week 10	Endocrine Disorder
	Hormonal Changes
Week 11	Diabetes
	HIV/AIDS
Week 12	Patient with Cancer
Week 13	Blood Disease
Week 14	Substance Abuse
	Dental Fear/Anxiety