

# Virginia Western Community College

## DNH 143

### Dental Hygiene III

#### **Prerequisites**

Successful completion of two semesters of the Dental Hygiene Curriculum

#### **Course Description**

Introduces dental health care for clients with special needs. Includes introduction to computer concepts and applications. Provides supervised clinical practice in the dental hygiene clinic with emphasis on refining client treatment and instrumentation skills, including oral radiographs.

**Semester Credits: 3**

**Lecture Hours: 2**

**Lab/Clinical/Internship Hours: 0**

#### **Required Materials**

##### **Textbook:**

In the Eye of the Hurricane: Finding Peace within the Storm of Autism. J. C. Liske. Spiritbuilding Publishing, Inc. 2006

Clinical Practice of the Dental Hygienist. Wilkins, EM. 11<sup>th</sup> Edition. Lippincott Williams & Wilkins, 2013.

##### **Other:**

##### **Useful Web Sites**

American Academy of Periodontology	<a href="http://www.perio.org">www.perio.org</a>
American Dental Hygienists' Association	<a href="http://www.adha.org">www.adha.org</a>
American Dental Association	<a href="http://www.ada.org">www.ada.org</a>
National Institute of Dental Research	<a href="http://www.nidr.nih.gov">www.nidr.nih.gov</a>
Proctor & Gamble Dental ResourceNet	<a href="http://www.dentalcare.com">www.dentalcare.com</a>

#### **Course Outcomes**

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

- Discuss the 1) etiology, 2) plan and 3) document modifications necessary for dental hygiene care and effective oral hygiene instruction for persons with physical disabilities, sensory deficits, developmental or behavioral disorders, psychiatric disorders, and substance related disorders, for the very young (pediatric), the elderly, the homebound and the edentulous patient.

## **Competencies and Learning Outcomes**

DNH 143 exposes students to a wide variety of information that will enable students to reach the following competencies expected of new graduates:

- Domain: Ethical Values and Professionalism
- Domain: Professional Commitment and Development
- Domain: Dental Hygiene Process of Care

## **Topical Description**

### **Module 1: The Pregnant Patient and the Patient with an Endocrine Disorder or Hormonal Change**

#### **The Pregnant Patient**

- Sources for Patients
- Fetal Development
- Oral Findings During Pregnancy
- Aspects of Patient Care
- Patient Instruction
- Special Problems for Referrals
- Documentation

#### **Patient with an Endocrine Disorder or Hormonal Change**

- Overview of the Endocrine System
- Adolescence and Puberty
- Oral Conditions
- Dental Hygiene Care
- Menstruation
- Hormonal Contraceptives
- Menopause
- Documentation

### **Module 2: Patient with a Cleft Lip and/or Palate**

- Classifications of Clefts
- Etiology
- Oral Characteristics
- General Physical Characteristics
- Treatment
- Dental Hygiene Care
- Documentation

Module 3: Pediatric Oral Health Care Infancy through Age 5; and The Older Adult Patient

## Pediatric Oral Health Care Infancy through Age 5

- Access to Parents, Infants, and Young Children
- Treatment Planning and Consent
- Dental Hygiene Care
- Oral Health Considerations for Infants
- Oral Health Considerations for Toddlers and Preschoolers
- Documentation

## The Older Adult Patient

- Aging
- Physiologic Aging
- Pathology and Disease
- Oral Findings
- Dental Hygiene Care
- Diet and Nutrition
- Documentation

## The Edentulous Patient

- Purposes for Wearing Dentures
- Types of Removable Complete Denture
- The Edentulous Mouth
- The Patient with New Dentures
- Denture-Related Oral Changes
- Denture Induced Oral Lesions
- Prevention
- Maintenance
- Denture Marking for Identification
- Documentation

Module 4: The Patient with a Disability; Patient that is Homebound; Patient with Sensory Impairment

## Patient with a Disability

- Definition
- Oral Manifestations
- Dental Hygiene Care
- Appointment scheduling
- Barrier Free Environment
- Wheel chair transfers
- Assistance for the Ambulatory Patient
- Patient Positioning and Stabilization
- Instrumentation
- Four-handed Dental Hygiene
- Disease Prevention and Control
- Dental Plaque Removal
- Self-care Aids

- Fluorides
- Pit and Fissure Sealants
- Diet Instruction
- Care giver Instructions
- Documentation

#### Homebound Patient

- Homebound Patients
- Dental hygiene care and Instruction
- The unconscious patient
- The Terminally Ill Patient
- Documentation

#### Sensory Impairment Patient

- American Disabilities Act
- Visual Impairment
- Hearing Impairment
- Documentation

### Module 5: The Patient with a Physical Impairment; Patient with Developmental or Behavior Disorder

#### Patient with a Physical Impairment

- Neurological and Other Disorders associated with Physical Disability
- Considerations for Dental Hygiene Care
- Documentation

#### Developmental or Behavior Disorder

- Autism Spectrum Disorder
- Downs Syndrome
- Intellectual Disorder
- Dental Hygiene Care
- Documentation

### Module 6: The Patient with a Substance Related Disorder; The Patient who uses Tobacco

#### Patient with a Substance Related Disorder

- Alcohol Related Disorders
- Prescription and Street Drugs
- Dental Hygiene Process of Care
- Risk Management
- Documentation

#### Patient who uses Tobacco

- Health Hazards
- Components of Tobacco Products
- Metabolism of Nicotine
- Systemic effects
- Environmental Tobacco Smoke (ETS)

- Prenatal and Children
- Oral manifestations
- Tobacco and Periodontal Infections
- Nicotine Addiction
- Treatment
- Pharmacotherapies
- Nicotine-Free Therapy
- Dental Hygiene Care for the Patient who uses Tobacco
- Assessment
- Clinical Treatment Procedures
- Tobacco Cessation Program
- Motivational Interviewing
- The 5 “A’s”
- The team Approach
- Advocacy
- Documentation

#### Module 7: The Patient with a Psychiatric Disorder

- Schizophrenia
- Mood disorders
- Major depressive disorder
- Bipolar disorder
- Postpartum mood disorders
- Anxiety disorder
- Eating disorder
- Anorexia Nervosa
- Bulimia Nervosa
- Psychiatric emergencies

### **Note to Instructors**