

# Virginia Western Community College

## DNH 142

### Dental Hygiene Seminar II

#### **Prerequisites**

Successful completion of DNH 111, 115, 120, 130 and 141

#### **Course Description**

Exposes students to instrument sharpening, time management, patient education and ultrasonic instrumentation techniques and methods. Provides supervised clinical practice in the dental hygiene clinic with emphasis on developing patient treatment and instrument skills.

**Semester Credits: 5**

**Lecture Hours: 2**

**Lab/Clinical/Internship Hours: 10.5**

#### **Required Materials**

**Textbook: No new text books**

**Supplementary Materials:**

#### **Course Outcomes**

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

- Apply scientific knowledge and skill to all clinical techniques and instructional procedures
- Develop and carry out a plan for managing available clinic time in a manner, which permits quality care and achievement of established competency levels
- Practice safe and efficient clinical routines for the application of Standard Precautions for infection control
- Using data gathered during the oral exam and information gained from interaction with the patient, identify individual oral health needs
- Recognize each client as an individual, recognize and respect cultural beliefs, and adapt techniques and procedures accordingly
- Demonstrate professional interaction skills with peers, faculty, and patients

- Apply a continuing process of self-development and self-evaluation
- Apply knowledge of treatment planning and practice management to future clinical procedures
- Discuss the significance of accurately analyzing scientific literature as it relates to professional development
- Document patient education using a case format incorporating written, charting, and radiographic techniques
- Apply principles of power driven instrumentation using knowledge of oral anatomy and disease.
- Demonstrate an understanding of the principles and practice of instrument sharpening
- Apply knowledge of the caries process to patient care in the clinical setting
- Apply knowledge of over the counter oral health products to patient care in the clinical setting

### **Student Learning Outcomes**

DNH 142 Dental Hygiene II builds on the fundamentals acquired in DNH 141 to provide the knowledge, skill and attitudes that will enable students to reach the following competencies expected of new graduates:

#### **Domain: Ethical Values and Professionalism**

- Apply the ADHA Code of Ethics as a guide for ethical consciousness, decision-making, and practice.
- Adhere to state & federal laws, regulations, & recommendations in the provision of dental hygiene care.
- Serve all patients without discrimination, appreciating population diversity.
- Communicate effectively with patients, families, communities and other health professionals in a responsive and responsible manner using verbal, non-verbal, written & electronic communication skills
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#### **Domain: Health promotion and Community Involvement**

- Provide screening, referral, and educational services that allow patients to access the resources of the health care system.

#### **Domain: Professional Commitment and Development**

- Evaluate professional issues and scientific literature to make evidence-based decisions

#### **Domain: Dental Hygiene Process of Care**

- Provide accurate, consistent & complete documentation for assessment, diagnosis, planning, implementation, evaluation & documentation of dental hygiene services.
- Use principles of risk management to assess & manage risk, and prevent liability.
- Utilize critical thinking and problem solving skills.
- Evaluate and integrate evidence based research outcomes with clinical expertise and patient values.
- Support optimal oral wellness for all patients.

**Course Information**

DNH 142 is a distance-learning course with online and face-to-face components/clinical activities. Lecture material is delivered once a week via two-way audio and two-way video. Lecture material is reinforced and practiced during the 9-hour face-to-face clinical component of the course. The clinical component of the course is an opportunity for the student to demonstrate a working knowledge of lecture material. The course will follow a set calendar. Course material will be taught using linear sequencing as follows:

- Treatment Planning and Time Management
- Designing Plaque Control Programs to Meet Patient Needs;
- Adjunct Oral Hygiene Aids
- Power Driven Scalers
- Analyzing Scientific Literature & Writing Abstracts
- Anesthetics in Dental Hygiene Practice: Local and Topical
- Instrument Sharpening
- The Caries Process
- Care of Edentulous/Partially Edentulous Patients
- Dental Indices
- Fluoride Products & Home Programs
- Cross Cultural Dental Hygiene
- Vitality Testing
- Dentin Hypersensitivity

Instrumentation principles and instrumentation techniques will be reinforced throughout the course. The student will learn through reading, lecture, assignments, tests, and clinical competencies. Students should have a working knowledge of the VCCS Blackboard course management system.

**Topical Description****I: Treatment Planning and Time Management**

- Planning for Dental Care
- The Dental Hygiene Care Plan
- Oral Risk Assessment and Intervention Planning
- Individualizing Preventive and Therapeutic Strategies
- Post treatment Assessment and Supportive Care
- Case Development, Documentation, and Presentation

**II: Designing Plaque Control Programs to Meet Patient Needs**

- Patient Learning and Health Behavioral Change
- Oral Infection Control: Toothbrushes and Toothbrushing
- Devices for Oral Self Care

III: Power Driven Scalers

- Ultrasonic and Sonic Scaling
- Power Instrumentation and Periodontal Debridement

IV: Analyzing Scientific Literature

- Evidence Based Decision Making

V: Anesthetics in Dental Hygiene

- Anxiety and Pain Control
- Local Anesthetics

VI: Instrument Sharpening

- Instruments and Principles for Instrumentation
- Instrument Sharpening

VII: The Caries Process

- The Teeth
- Dental Caries and Caries Management

VIII: Care of Appliances

- Care of Dental Prostheses
- The Patient with Dental Implants
- Care of Appliances

IX: Dental Indices

- Indices and Scoring Methods

X: Over the Counter Products

- Interdental Care
- Dentifrices, Mouth rinses, and Irrigation
- Chemotherapeutics

XI: Fluoride Products and Home Programs

- Fluorides
- Post-treatment Assessment and Supportive Care
- Dental Caries and Caries Management

XII: Cross Cultural Dental Hygiene

- Communication

XIII: Dentinal Hypersensitivity

- Dentinal Hypersensitivity