

Virginia Western Community College

DNH 244

Dental Hygiene IV

Prerequisites

Successful completion of DNH 190.

Course Description

Introduces advanced skills and the dental hygienist's role in providing treatment for special patient populations. Includes supervised clinical practice in the dental hygiene clinic and /or off-campus clinical rotations at various community facilities. Emphasizes treatment of clients demonstrating periodontal involvement, stressing application and correlation of knowledge and skills from previous semesters.

Semester Credits: 5

Lecture Hours: 1

Lab/Clinical/Internship Hours: 12

Required Materials

Textbook:

Mosby's Dental Hygiene Concepts, Cases, and Competencies. Daniel, Susan & Harfst, Sherry. 2nd Edition. ISBN: 9780323043526

Foundations of Periodontics for the Dental Hygienist. Nield-Gehrig, Jill S & Willmann, Donald E. 3rd Edition. ISBN: 9780781769921

Fundamentals of Periodontal Instrumentation. Nield-Gehrig, Jill S. 7th Edition. ISBN: 9781609133313

Clinical Practice of the Dental Hygienist. Wilkins, Esther M. 11th Edition. ISBN: 9781608317189

Other Materials:

Virginia Western Community College Dental Hygiene Student Guidelines and Procedures Manual, 2013-2014

Course Outcomes

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

- Use and integrate knowledge from previous semesters in applying the dental hygiene process of care to patients with special needs.
- Draw on your clinical experiences with patients and relate your experiences to class discussions.
- Through class participation and independent computer competencies, broaden your appreciation of the functioning of the dental team.
- Use current scientific literature and web-based sources as resources for case based and other course assignments.
- Apply previous knowledge and use problem solving skills in developing strategies for comprehensive patient care as indicated by client need.
- Perform a self-assessment of your clinical strengths and weaknesses.
- Identify strategies to improve your clinical skills and time management.
- Describe characteristics of root surface anatomy that cause difficulty in root debridement.
- Identify appropriate instruments to use in deep periodontal pockets that aid in root debridement.
- Select and demonstrate instruments that are appropriate for root instrumentation.
- Participate in “real time” patient treatment assessments, write reflective and comparison paragraphs about the experience to demonstrate clinical speed.
- Demonstrate each of the intra-oral and extra-oral advanced fulcruming techniques used to facilitate access and adaptation to deep periodontal pockets.
- Continue to prepare portfolio items and report your progress during the semester.
- Select a patient at risk for a nutritional deficit and conduct nutritional counseling sessions designed to meet patient needs.
- Identify a special need topic that is being discussed in class. Develop a paper that thoroughly discusses the special need include pharmacological dosages and possible interactions, the dental hygiene diagnosis, and therapeutic modalities, and appropriate dental coding of treatment.
- Appreciate the ethical issues and conflicts that may arise when providing care for patients with special needs covered during this course.

Topical Description

Unit 1: Management of Dental Fear, Anxiety and Phobia

- Anxiety Defined
- Fear Defined
- Phobia Defined
- Common Causes of Dental Fears and Phobias
- Common Dental Fears

- Interactions that Increase Anxiety
- Potential Sources of Discomfort
- Physiological Signs and Symptoms
- Psychological Signs and Symptoms
- Behavioral Signs and Symptoms
- Management of Clients: CARE Principle
- Behavioral Approaches
- Pharmacological Approaches
- Guidelines for Dental Hygiene Care

Unit 2: Domestic and Family Violence

- Professional Obligation
- Barriers to Identifying Family Violence
- Types of Family Violence
- Definitions of Domestic violence, Abuse
- Exploitation
- Neglect
- Stalking
- Special Needs Children and Adult Abuse/Neglect
- Examples of Family Violence
- Who are the Victims?
- Impact
- Elder Abuse
- Incapacitated Young Adult Abuse
- Partner Abuse
- Abuser Profiles
- What Victims Experience
- Oral Findings of Abuse and Neglect
- Behaviors of Abuse and Neglect Victims
- Suggested Dialogue for RDH
- Documentation
- Reporting
- Role of Social Services
- PANDA

Unit 3: Women's Health Issues

- National Institutes of Health Criteria
- Registered Dental Hygienists Role
- Health History
- Obstacles

- Strategies and Suggestions for Care
- Cardiovascular Disease
- Skin Cancer
- Lung Cancer
- Breast Cancer
- Three Stages of Reproductive Aging
- Oral Manifestations
- Education and Treatment Approaches
- Women and HIV
- Sexually Transmitted Diseases

Unit 4: Connective Tissue Disorders

- Common Connective Tissue Disorders
- Arthritis
- Rheumatoid Arthritis
- Osteoarthritis
- Dental Management and Treatment Modifications for Rheumatoid and Osteoarthritis
- Effect on Oral Health
- Systemic Lupus Erythematosus (SLE)
- Dental Treatment Considerations
- Raynaud's Syndrome
- Medical Management of Raynaud's Syndrome
- Scleroderma
- Dental Hygiene Management of Scleroderma
- Sjogren's Syndrome
- Dental Hygiene Management
- Adrenal Insufficiency
- Primary Adrenal Insufficiency (Addison's Disease)
- Secondary Adrenal Insufficiency
- Dental Management of Adrenal Insufficiency
- Fibromyalgia
- Treatment Options for Fibromyalgia

Unit 5: Oncology and Hematology

- Hematology
- Factors and Findings of Blood Disorders
- Bleeding Disorders Classifications
- Four Phases of Normal Bleeding Control
- Client Assessment
- Clinical Presentation

- Laboratory Tests for Bleeding Disorders
- Dental Management of Bleeding Disorders
- Blood Dyscrasias
- Dental Management of Blood Dyscrasias
- Oral Cancer
- Etiology of Oral Cancer
- Warning Signs of Oral Cancer
- Radiation Effect on Tissue
- Oral Complications Common to Both Chemotherapy & Radiation
- Additional Complications of Chemotherapy
- Additional Complications of Radiation Therapy
- Dental Management of Oral Complications
- Resources for Oral Cancer

Unit 6: The Cardiac Patient

- Cardiac Surgery: Medical Considerations
- Surgically Closed Septal Defects
- Complex Congenital Heart Defects
- Cardiac Pacemaker
- Prosthetic Replacement of Cardiac Valves
- Kidney Disease
- Incidence, Prevalence and Etiology Of Kidney Disease
- Complications of Kidney Disease
- Clinical Presentation
- Medical Management of ESRD
- Dialysis
- Oral Manifestations
- Dental Management

Unit 7: Advanced Techniques for Root Surface Debridement

- Development of Advanced Techniques
- Definitions
- Advantages of Advanced Intraoral Techniques
- Disadvantages of Advanced Intraoral Techniques
- Extraoral Fulcruming Techniques
- Criteria for an Effective Extraoral Fulcrum
- Technique Practice-In class activity

Unit 8: Sleep Disorders and Periodontal Emergencies

- Definition
- Symptoms
- Causes
- Treatment Options
- Dental Considerations
- Medical Concerns
- Pericoronal Abscess
- Gingival Abscess
- Periapical Abscess
- Treatment of Endodontic Lesions
- Periodontal Abscess
- Symptoms of Acute Periodontal Abscesses
- Symptoms of Chronic Periodontal Abscesses
- Acute Osteomyelitis

Unit 9: Dental Implants and Maintenance

- Dental Implants
- Types of Implants
- Client Selection
- Procedure
- Osseointegration
- Implant Care

Note to Instructors