

SYLLABUS

CATALOG DESCRIPTION

A comprehensive review of dental hygiene topics found on the National Board Dental Hygiene Examination (NBDHE). This course is designed to help prepare the student to take the NBDHE by reviewing test taking skills and strategies, study techniques as well as a review of topics and specific questions that the student might have.

Prerequisites:

Senior Dental Hygiene Student in last semester

Co-requisites:

DHYG 243, 244, 245, 247.

Semester

Offered:

Spring

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Goals

Upon completion of this course the student will be able to demonstrate the ability to pass The NBDHE.

Course Learning Outcomes

Upon successful completion of the course, the student will have reviewed all of the following topics in preparation of the NBDHE:

Scientific Basis for Dental Hygiene Practice (60 Items)

- **1.0. Anatomic Sciences [16]**
- Anatomy
- Head and neck anatomy
- Dental anatomy
- General anatomy
- Root anatomy
- Histology and Embryology
- **2.0. Physiology [5]**
- **3.0. Biochemistry and Nutrition [6]**
- **4.0. Microbiology and Immunology [10]**
- **5.0. Pathology [13]**
- 5.1. General
- 5.2. Oral
- **6.0. Pharmacology [10]**

Provision of Clinical Dental Hygiene Services (116 Items)

- **1.0. Assessing Patient Characteristics [17]**
- 1.1. Medical and dental history
- 1.2. Head and neck examination
- 1.3. Periodontal evaluation
- 1.4. Oral evaluation
- 1.5. Occlusal evaluation
- 1.6. General
- **2.0. Obtaining and Interpreting Radiographs [13]**
- 2.1. Principles of radiophysics and radiobiology
- 2.2. Principles of radiologic health
- 2.3. Technique
- 2.4. Recognition of normalities and abnormalities
- 2.5. General
- **3.0. Planning and Managing Dental Hygiene Care [34]**
- 3.1. Infection control (application)
- 3.2. Recognition of emergency situations and provision of appropriate care
- 3.3. Individualized patient education
- 3.3.1. Planning of individualized instruction
- 3.3.2. Provision of instruction for prevention and management of oral diseases
- 3.3.2.1. Dental caries
- 3.3.2.2. Periodontal disease
- 3.3.2.3. Oral conditions
- 3.4. Anxiety and pain control
- 3.5. Recognition and management of compromised patients
- 3.6. Dental hygiene treatment strategies
- 3.6.1. Diagnosis
- 3.6.2. Treatment plan
- 3.6.3. Case presentation
- 3.7. General

- **4.0. Performing Periodontal Procedures [18]**
- 4.1. Etiology and pathogenesis of periodontal diseases
- 4.2. Prescribed therapy
- 4.2.1. Periodontal debridement
- 4.2.2. Surgical support services
- 4.2.3. Chemotherapeutic agents
- 4.2.4. General
- 4.3. Reassessment and maintenance, e.g. implant care
- **5.0 Using Preventive Agents [9]**
- 5.1. Fluorides - systemic and topical
- 5.1.1. Mechanisms of action
- 5.1.2. Toxicology
- 5.1.3. Methods of administration
- 5.1.3.1. Water fluoridation
- 5.1.3.2. Self-administered
- 5.2. Pit and fissure sealants
- 5.2.1. Mechanisms of action
- 5.2.2. Techniques for application
- 5.3. Other preventive agents
- **6.0. Providing Supportive Treatment Services [7]**
- 6.1. Properties and manipulation of materials
- 6.2. Polishing natural and restored teeth
- 6.3. Making of impressions and preparation of study casts
- 6.4. Other supportive services, e.g., tooth desensitization
- 6.5 General
- **7.0 Professional Responsibility [18]**
- 7.1. Ethical principles, including informed consent
- 7.2. Regulatory compliance
- 7.3. Patient and professional communication
- 7.4. General

Community Health/Research Principles (24 Items)

- **1.0 Promoting Health and Preventing Disease within Groups [6]**
- **2.0 Participating in Community Programs [10]**
- 2.1. Assessing populations and defining objectives
- 2.2. Designing, implementing, and evaluating programs
- **3.0 Analyzing Scientific Literature, Understanding Statistical Concepts, & Applying Research Results [8]**