



**Course Information**

<b>Course Title</b>	Dental Hygiene Care II
<b>Course Prefix, Num. and Title</b>	DHYG 2231 Dental Hygiene Care II
<b>Division</b>	Allied Health
<b>Department</b>	Dental Hygiene
<b>Course Type</b>	WECM Course
<b>Course Catalog Description</b>	A continuation of Dental Hygiene Care I. Dental hygiene care for the medically or dentally compromised patient including advanced instrumentation techniques.
<b>Pre-Requisites</b>	DHYG 2362, 2201, 1235 and 1315 with grade of C or better.
<b>Co-Requisites</b>	Enter Co-Requisites Here.

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	2:2:0
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	2
<b>Lab/Other Hours Breakdown: Lab Hours</b>	Enter Lab Hours Here.
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	Enter Clinical Hours Here.
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	Enter Practicum Hours Here.
<b>Other Hours Breakdown</b>	List Total Lab/Other Hours Here.

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

# Additional Course Information

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

## Topical Outline

- 1. Course Information**
  - A. Course Outcomes
  - B. Course Schedule
  - C. Course Evaluation
  - D. Methods of Instruction
- 2. Dental Implants**
  - A. Definitions of key terms
  - B. Types of Dental Implants
  - C. Preparation and Placement
  - D. Peri-implant hygiene
  - E. Maintenance of Dental Implants
- 3. Pulp Vitality Testing**
  - A. Causes of loss of vitality
  - B. Observations that suggest loss of vitality
    1. clinical
    2. radiographs
  - C. Response to pulp testing
  - D. Thermal pulp testing
  - E. Electrical pulp tester
  - F. Interpretation of results
- 4. Pediatric Oral Health Care**
  - A. Goals of early access
  - B. Anticipatory guidance for parent and caregiver
  - C. Oral health considerations and dental hygiene care for infants, toddlers, preschoolers, adolescents
- 5. Cleft Lip and Palate**
  - A. Classification of clefts
  - B. Causes and problems associated with clefts
  - C. Oral and General Physical Characteristics
  - D. Treatment
  - E. Dental Hygiene Care
- 6. Mental Health Disorders**
  - A. Mental Health Disorders
    1. types
    2. characteristics
  - B. General Precautions
    1. communication
    2. medications/drug interactions
    3. overdose
  - C. Dental Hygiene Care and Considerations
  - D. Mental Health Emergencies
- 7. Patient with Disability**
  - A. Definitions and Classification of disabilities
  - B. Oral Disease Prevention and Control
  - C. Patient Management

- D. Wheelchair Transfers
- 8. Substance-Related Disorders**
  - A. Alcohol
    1. consumption
    2. metabolism
    3. health hazards
    4. fetal alcohol spectrum disorder
  - B. Drug Abuse
    1. most common drugs of abuse
    2. medical effects of drug abuse
    3. methods of use
  - C. Oral Manifestations of Alcohol and Drug Abuse
    1. clinical assessment
  - D. Dental Hygiene Care and Considerations
    1. recare appointments
    2. dental biofilm removal, fluorides, diet instructions
  - E. Treatment Methods for Alcohol and Drug Abuse
- 9. Neurodevelopmental Disorder**
  - A. Intellectual Disorders
    1. Definition
    2. Classification
    3. Etiology
    4. General Characteristics
    5. Dental Hygiene Care
  - B. Down Syndrome
    1. Characteristics
    2. Dental Hygiene Care
  - C. Autism Spectrum Disorder
    1. Characteristics
    2. Dental Hygiene Care
- 10. Physical Impairment**
  - A. Discussion, definition and classification of physical impairments
    1. Neurological disorders associated with a physical disability
    2. Spinal cord injury
    3. Cerebrovascular accident (stroke)
    4. Bell's palsy
    5. Multiple sclerosis
    6. Amyotrophic lateral sclerosis
    7. Parkinson's disease
    8. Myasthenia gravis
    9. Postpolio syndrome
    10. Cerebral palsy
    11. Muscular dystrophies
    12. Myelomeningocele
    13. Arthritis
    14. Scleroderma
  - B. Summary of Considerations for Dental Hygiene Care
    1. Oral hygiene care and education
    2. Appointment preparation
      - a. assistance for ambulatory patient
      - b. patient transfer (wheelchair) and positioning

**11. Sensory Impairment**

- A. Americans with Disabilities Act
- B. Visual Impairment
  - 1. Causes
  - 2. Personal factors
  - 3. Dental Hygiene Care for totally blind and partially sighted
- C. Hearing Impairment
  - 1. Causes
  - 2. Types of hearing loss
  - 3. Characteristics suggesting hearing loss
  - 4. Hearing aids
  - 5. Cochlear Implants
  - 6. Modes of Communication
  - 7. Dental Hygiene Care

**12. Diabetes**

- A. Classification and specific characteristics
- B. Oral health implications of diabetes
- C. Symptoms/complications of diabetes
- D. Treatment
  - 1. medications and lifestyle modifications
  - 2. oral relationships
  - 3. dental hygiene care plan and maintenance
- E. Emergencies with Diabetics

**13. Seizure Disorder**

- A. Types of seizures
  - 1. characteristics
  - 2. etiology
- B. Drug Therapy
  - 1. common drugs
  - 2. oral manifestations
- C. Dental Hygiene Care
  - 1. special considerations
  - 2. treatment
- D. Emergency procedures

**14. Nitrous Oxide and Local Anesthesia**

- A. Definition of conscious sedation
  - 1. indications and contraindications for use
  - 2. advantages and disadvantages associated with use
  - 3. signs and symptoms of baseline level
  - 4. equipment safety features
- B. Types of Anesthesia
  - 1. contraindications
  - 2. advantages and disadvantages
  - 3. emergencies associated with use of anesthetics
- C. Strategies for Managing Fear, Anxiety, and Pain in the dental setting

**15. Oral Cancer Patient and Tobacco Control**

- A. Neoplasms
  - 1. benign
  - 2. malignant
- B. Incidence
  - 1. statistics
  - 2. predisposing factors

- 3. effects of tobacco products
- C. Treatment Modalities
  - 1. surgery
  - 2. radiation
  - 3. chemotherapy
- D. Effects on oral cavity
- E. Five (5) A's of Tobacco Intervention
- F. Dental Hygiene Care
  - 1. plaque control
  - 2. nutrition and diet
  - 3. fluoride
  - 4. recare/recall
  - 5. patient education
- 16. Medical Emergencies**
  - A. Office emergencies: seizure, nitrous oxide, obstructed airway, asthma, syncope, hyperventilation, anxiety attack, heart attack, pregnancy, diabetic emergencies
  - B. Clinical signs and sequence of action
- 17. Medically Compromised Patient/Client**
  - A. Purpose
  - B. Dental management of patient/client
  - C. Indications/contraindications for dental/dental hygiene care
- 18. Air Polishing (subgingival biofilm management and supragingival extrinsic stain removal)**
  - A. Technique
  - B. Indications/contraindications
  - C. Effects of air polishing
  - D. Maintenance and sterilization procedures
  - E. Incorporation of air polishing into individualized patient care
- 19. Oral Piercing**
  - A. History of Piercing
  - B. Types
  - C. Clinical Strategies for Detecting Intraoral Damage from Improper Piercings
  - D. Dental Considerations/Complications, Aftercare Procedures

## Course Learning Outcomes:

### Learning Outcomes – Upon successful completion of this course, students will:

1. Assess various patient needs.
2. Formulate a dental hygiene care plan for the medically and/or dentally compromised patient
3. Describe advanced instrumentation techniques.

### Methods of Assessment:

Written examinations, case studies, clinical application, oral presentations, group discussion (team learning)

## Required text(s), optional text(s) and/or materials to be supplied by the student:

- Wilkins, Esther M., Clinical Practice of the Dental Hygienist Current Edition, Lippincott Williams & Wilkins,
- Thomson, Evelyn, Case Studies in Dental Hygiene, Current Edition, Pearson.
- Nield-Gehrig, Jill S., Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation, Current Edition, Lippincott Williams & Wilkins.
- Derkowski, C., Mayfield, S., Hahn, D., Bode, B., Novosad, G., Bay, F., Wharton County Junior College Dental Hygiene Clinic Manual, Current edition

- Darby, Michele L., Mosby's Comprehensive Review in Dental Hygiene, Current Edition, Mosby Elsevier,
- Prajer, Renee and Gwen Grosso, DH Notes: Dental Hygienist's Chairside Pocket Guide, F.A. Davis Co.,.

## Suggested Course Maximum:

28

## List any specific or physical requirements beyond a typical classroom required to teach the course.

Dental hygiene clinic with dental units and sterilization area.

**Course Requirements/Grading System:** Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Grading System: A = 100-93, B = 92-84, C = 83-75, D = 74-67, F = 66 and below

A minimum grade of 75 is required to pass DHYG 2231 and progress in the dental hygiene program.

Examinations (six examinations which includes a Mock National Board Dental Hygiene exam) 60%

Other Course Work (quizzes, reflection paper, group projects, case study assignments) 20%

Presentations (Emergency and Indices PowerPoint) 20%

Capstone Experience: A Mock National Board Dental Hygiene Examination that tests comprehensive cognitive abilities is given in this course. The examination assesses the ability to understand important information from basic biomedical, dental, and dental hygiene sciences and the ability to apply such information in a problem-solving context. Successful completion of the Mock examination is a pre-requisite to taking the National Board Dental Hygiene Examination prior to graduation.

**ATTENDANCE POLICY:** This lecture class meets once a week for two hours. Students are expected to be present and prompt for class. Two tardies will equal an absence. Students must sign an attendance sheet to be counted present. Absences in excess of two scheduled classes in this course will result in academic dismissal from DHYG 2231. A student may petition faculty, in writing, for consideration of excess absences resulting from special circumstances. Absence from an examination will necessitate make up of the examination on the first day of return to classes. A discretionary 10 points deduction may be assessed for each additional day until completion of the examination. Instructor reserves the right to give an alternate make up exam if an exam is missed. Quizzes cannot be made up due to absences or tardiness.

## Grading Scale:

A = 100-93, B = 92-84, C = 83-75, D = 74-67, F = 66 and below

## Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
  - Critical Thinking

- Communication
- Empirical & Quantitative Skills
- Teamwork
- Social Responsibility
- Personal Responsibility

**WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist