



Course Information

Course Title	Pre-Clinical Dental Hygiene
Course Prefix, Num. and Title	DHYG 1431
Division	Allied Health
Department	Dental Hygiene
Course Type	WECM Course
Course Catalog Description	Foundational knowledge for performing clinical skills and management of medical emergencies for patients with emphasis on procedures and rationale for performing dental hygiene care. Introduction to ethical principles as they apply to dental hygiene care.
Pre-Requisites	Only open to students admitted to the dental hygiene program
Co-Requisites	Enter Co-Requisites Here.

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	4:2:8
Lab/Other Hours	
Equated Pay Hours	6
Lab/Other Hours Breakdown: Lab Hours	8
Lab/Other Hours Breakdown: Clinical Hours	Enter Clinical Hours Here.
Lab/Other Hours Breakdown: Practicum Hours	Enter Practicum Hours Here.
Other Hours Breakdown	List Total Lab/Other Hours Here.

Approval Signatures

Title	Signature	Date
Department Head:		
Division Chair:		
VPI:		

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).

DENTAL HYGIENE 1331 PRECLINICAL DENTAL HYGIENE COURSE OUTLINE

LECTURE

- I. Introduction to Dental Hygiene
 - A. Orientation to W.C.J.C.
 - B. Orientation to course
- II. Concepts of Dental Hygiene
 - A. The Evolving Profession
- III. Prevention of Disease Transmission
 - A. Disease prevention and transmission
 - B. Infection control and protocols
 - C. Sterilization and Asepsis
- IV. Assessment of Health
 - A. Health history
 - B. Vital Signs
- V. Extraoral-Intraoral Assessment
 - A. Objectives
 - B. Technique
- VI. Instrumentation
 - A. Basic Instrumentation
 - B. Grasp
 - C. Adaptation and activation
 - D. Detection and removal
 - E. Individual instruments
- VII. Emergencies
 - A. Office emergency potentials
 - B. Prevention and causes
 - C. Specific emergencies
- VIII. Dental Plaque and Soft Deposits
 - A. Acquired pellicle
 - B. Dental Plaque
 - C. Materia alba
 - D. Food debris
- IX. Calculus
 - A. Definition
 - B. Characteristics
 - C. Formation
 - D. Significance
- X. Stains
 - A. Extrinsic Stains
 - B. Intrinsic Stains
- XI. Dental Health Aids
 - A. Plaque control and removal techniques
 - B. Toothbrushes
 - C. Floss
 - D. Dentifrices and mouth rinses

- E. Auxiliary plaque control measures
- XII. Dental Charting
 - A. Existing restorations
 - B. Suspicious areas
- XIII. Polishing
 - A. Purpose
 - B. Precautions
 - C. Methods
 - D. Procedures
 - E. Disclosing agents
- XIV. Fluorides
 - A. Action of fluoride
 - B. Fluoride and tooth development
 - C. Topical agents
 - D. Clinical Application
- XV. Forms and Records
 - A. Purpose
 - B. Procedure LAB
- I. Lab orientation
- II. Dental Unit
 - A. Manipulation
 - B. Care and maintenance
- III. Positions
 - A. Operator
 - B. Patient
 - C. Light
- IV. Clinical aseptic protocol
 - A. Cubical
 - B. Personal protection
 - C. Instrument sterilization protocols
- V. Instrumentation Fundamentals
 - A. Grasp
 - B. Fulcrum
 - C. Activation
 - D. Adaptation
- VI. Utilization of Instruments
 - A. Mouth mirror
 - B. Periodontal probe
 - C. Explorers
 - D. Gracey curets
 - E. Universal curets
 - F. Scalers
- VII. Clinical Patients
 - A. Assessment
 - 1. Health history
 - 2. Intraoral-extraoral exam
 - 3. Gingival and periodontal assessment
 - 4. Dental Charting
 - 5. Case classification
 - B. Treatment Planning
 - C. Implementation

1. Instrumentation
2. Polishing
3. Fluoride treatment

Course Learning Outcomes:

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

1. Explain the procedures and rational for dental hygiene care
2. Demonstrate basic dental hygiene instrumentation skills
3. Define ethical principles related to dental hygiene care

Methods of Assessment:

1. Written and lab competency examinations
2. Written and lab competency examinations
3. Written examinations

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

- Gehrig, J.; Sroda, Rebecca and Saccuzzo, Darlene: Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation. Most recent edition
- Boyd, Linda D; Mallonee, Lisa F and Wyche, Charlotte J: Wilkins's Clinical Practice of the Dental Hygienist. Most recent edition
- Pickett, Frieda and Gurenlian, JoAnn: Preventing Medical Emergencies-Use of the Medical History in Dental Practice Most recent edition
- Gehrig, Jill: Patient Assessment Tutorials-A Step-By-Step Guide for The Dental Hygienist. Most recent edition

Wharton County Junior College; Dental Hygiene Clinic and Pre-Clinic Manuals
Dental Hygiene Pre-Clinical Kits Barrier supplies

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, typodonts, and sterilization facilities.

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

Lab: 40% of grade

Unit competencies (3) 75%of lab grade Final competency (1) 25% of lab grade

Lecture: 40% of grade Written exams

*Final exam Homework/Quizzes/Reflections

*Student must receive a minimum score of 75 on the final exam to pass the course

Professionalism: 20%

Grade Scale:

A=100-93

B= 92-84

C=83-75

D=74-70

F=69 & 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