



**Purpose:** It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

**Course Title** – PreClinical Dental Hygiene  
**Course Prefix and Number** – DHYG 1431  
**Department** – Dental Hygiene  
**Course Type:** (check one)

**Division** – Allied Health

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

**Semester Credit Hours # : Lecture hours# : Lab/other hours #**      **4:2:6**

**Equated Pay hours for course -** 5

**Course Catalog Description** – Foundational knowledge for performing clinical skills on patients with emphasis on procedures and rationale for performing dental hygiene care

List Lab/ Other Hours
Lab Hours 6
Clinical Hours 0
Practicum Hours 0
Other (list) 0

**Prerequisites/Co requisites** – Open only to students admitted to Dental Hygiene Program

**Approvals** – the contents of this document have been reviewed and are found to be accurate.

Prepared by Brenda Bode	Signature <i>Brenda Bode</i>	Date 9/14/10
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Vice President of Instruction or Dean of Vocational Instruction Leigh Ann Collins	Signature <i>Leigh Ann Collins</i>	Date 9-29-10



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

DENTAL HYGIENE 1431

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. Denitrifies and mouthrinses
- 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

**II. Course Learning Outcomes**

Course Learning Outcome	Method of Assessment
<p style="text-align: center;"><b>Course Learning Outcome</b></p> <ol style="list-style-type: none"> <li>1. Identify the aspects of the assessment phase of the Dental Hygiene Process.</li> <li>2. Demonstrate principles of basic insrtumentation on a typodont</li> <li>3. Demonstrate professionalism</li> <li>4. Demonstrate effective technique for sharpening instruments</li> </ol>	<ol style="list-style-type: none"> <li>1. Written examinations</li> <li>2. Competency examinations</li> <li>3. Student observation during lab &amp; competency examinations</li> <li>4. Competency examinations</li> </ol>

**III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.**

Wilkins, Esther: Clinical Practice of the Dental Hygienist

Nield, J. and Houseman, G: Fundamentals of Dental Hygiene Instrumentation.

Wynn, Richard and Meiller, T. F. and Crossley, H. L.: Drug Information Handbook for Dentistry.

Pickett, Frieda and Gurenlian, JoAnn: The Medical History

Wharton County Junior College: Dental  
 Administrative-Master Syllabus  
 form approved June/2006  
 revised Nov. 2009

Hygiene Clinical Manual. & Preclinical Manual

Dental Hygiene Preclinical Kit

Barrier Supplies

Slow speed dental handpiece

Nield-Gehrig, Patient Assessment Tutorial

#### **IV. Suggested Course Maximum - 28**

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

Dental Hygiene clinic with dental units, typodonts, sterilization facilities

#### **VI. 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: is 50% of grade.

Unit competencies (3) 75% of lab grade

Final competency (1) 25% of lab grade

Lecture: is 50% of grade

(6) Written exams

\*Final exam

Homework/Quizzes

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

Grade Scale: A= 100-93

B= 92-84

C= 83-75

D= 74-67

F= 66 & below

#### **VII. Curriculum Checklist**

- **Academic General Education Course** (from ACGM – but not in WCJC Core)  
No additional documentation needed

- **Academic WCJC Core Course**  
Attach the Core Curriculum Checklist, including the following:

- Basic Intellectual Competencies
- Perspectives
- Exemplary Educational Objectives

- **WECM Courses**

If needed, revise the Program SCANS Matrix & Competencies Checklist.