



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 – Pre-Clinical Dental Hygiene

Course Prefix and Number – DHYG 1431

Department – Dental Hygiene

Division – Allied Health

Course Type: (check one)

- 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. Introduction to ethical principles as they apply to dental hygiene care.

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

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

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Date 9/28/12

Reviewed by department head Carol Derkowski

Date 11/12/12

Accuracy verified by Division Chair Carol Derkowski

Date 11/12/12

Approved by Dean of Vocational Instruction or Vice President of Instruction Stephanie Dees *Date* 11-19-12



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;">Course Learning Outcome</p> <ol style="list-style-type: none"> 1. Explain the procedures and rationale for dental hygiene care 2. Demonstrate basic dental hygiene instrumentation skills 3. Define ethical principles related to dental hygiene care. 	<ol style="list-style-type: none"> 1. Written and Lab Competency examinations 2. Written and Lab Competency examinations 3. Written examinations

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 Hygiene Clinical Manual. & Preclinical Manual

Dental Hygiene Preclinical Kit

Barrier Supplies

Slow speed dental handpiece

Nield-Gerhig: Patient Assessment tutorials

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: 50%

(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= 74-70

F= 69 & 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.