



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. Emphasis on principals, procedures, and professionalism for performing comprehensive oral prophylaxis.

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

Prerequisites/Corequisites - Open only to students admitted to the Dental Hygiene Program

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

Prepared by Carol Derkowski	Signature 	Date 9-10-07
Department Head	Signature 	Date
Division Chair Leigh Ann Collins	Signature 	Date 9-20-07
Vice President Dr. Ty Pate	Signature 	Date 9-26-07



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
1. Identify the aspects of the assessment phase of the Dental Hygiene Process.	1. Written examinations
2. Demonstrate principles of basic instrumentation on a typodont	2. Competency examinations
3. Demonstrate professionalism	3. Student observation during lab & competency examinations
4. Demonstrate effective technique for sharpening instruments	4. Competency 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

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**

Attach the following:

- Program SCANS Matrix
- Course SCANS Competencies Checklist



Course Prefix & Number: DHYG 1431	
SCANS COMPETENCIES FOR THIS COURSE	
Competency	Method of Assessment
1 READING: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	Written Examinations
2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	Written exam and written assignment
3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	Written exam & competency exams
4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	Oral presentation, written examinations
5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	Written examinations
6 PERSON QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	Professionalism grade
7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology	Oral presentation utilizing resources such as internet and powerpoint
8 BASIC USE OF COMPUTERS	Assignments must be computer generated. Oral presentation utilizing internet and powerpoint

SCANS Matrix

Program: Dental Hygiene CIP: 51.0602									
LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES									
Competencies								Course Number	Course Title
1	2	3	4	5	6	7	8		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BIOL 2401	Anatomy & Physiology I
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BIOL 2402	Anatomy & Physiology 2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BIOL 2420	Microbiology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ENGL 1301	English Composition
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPCH 1315 (or 1318 or 1321)	Fundamentals of Speech
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SOCI 1301	Intro to Sociology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PSYC 2301	Intro to General Psychology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HUMA	Humanities
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1223	Dental Hygiene Practice
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1227	Preventive DH Care
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DHYG 1235	Pharmacology for the DH
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1261	Clinical DH 1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1271	Service-Learning for Local Need
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DHYG 1301	Oral-Facial Anatomy, Histology, Embryology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1304	Dental Radiology
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DHYG 1307	General & Dental Nutrition
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DHYG 1311	Periodontology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1315	Community Dentistry
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DHYG 1319	Dental Materials
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DHYG 1339	General & Oral Pathology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 1431	Pre-clinical DH
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 2201	Contemporary DH Care 1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 2231	Contemporary DH Care 2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 2362	Clinical DH 2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DHYG 2363	Clinical DH 3
								COMPETENCY REFERENCES	
								8 Basic use of computers	
								7 Workplace Competencies: resources; interpersonal skills; information; systems; and technology.	
								6 Personal Qualities: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	
								5 Thinking Skills: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	
								4 Speaking and Listening: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	
								3 Arithmetic or Mathematics: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
								2 Writing: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	
								1 Reading: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	