



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 – Contemporary Dental Hygiene Care I

Course Prefix and Number – DHYG 2201

Department – Dental Hgyiene

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 # 2:2:0

Equated Pay hours for course – 2

Course Catalog Description - An intermediate level course. Introduction to dental hygiene care for the medically or dentally compromised patient. Emphasizes supplemental instrumentation techniques.

Prerequisites/Corequisites - DHYG 1339, 1304, 1261, 1227, 1307, and 1319 with grade of C or better.

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

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

Prepared by Dale G. Hahn	Signature <i>Dale G. Hahn</i>	Date 9-11-07
Department Head Leigh Ann Collins	Signature <i>LAC</i>	Date
Division Chair Leigh Ann Collins	Signature <i>LAC</i>	Date 9-20-07
Vice President <i>Dr. Ty Pate</i>	Signature <i>Ty Pate</i>	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):

- I. Ultrasonic scalers
 - A. Modes of Action/Role of Ultrasonics in Non-Surgical Periodontal Therapy
 - B. Types (Define, Compare, Contrast types of)
 - 1. sonic
 - 2. piezoelectric
 - 3. magnetostrictive
 - C. Purposes and Uses
 - D. Contraindications (medical and dental)
 - E. Procedure
 - F. Instrument Tip Design
 - G. Sterilization procedure
- II. Hypersensitivity & Desensitization
 - A. Contributing Factors
 - B. Dentin Structure
 - C. Types of Pain Stimuli
 - D. Hypersensitivity
 - 1. Definition
 - 2. Treatment
 - E. Desensitization
 - 1. Contributing Factors
 - 2. Desensitizing Agents
 - 3. Dental Hygiene Care
- III. Root Planing
 - A. Rationale
 - B. Technique
 - C. Benefits to the Tissue
- IV. Subgingival Irrigation
 - A. Patient Selection
 - B. Application
 - C. Preparation
 - D. Delivery Methods
 - E. Applications for clinic and contraindications
 - F. Home Care
- V. Pain Management
 - A. Sign/symptoms
 - B. Management options
- VI. Cardiovascular Diseases
 - A. Define Five Major Types
 - B. Signs/symptoms of each Type
 - C. Dental Considerations
 - D. Cardiac Arrhythmias
 - E. Surgically corrected cardiac & vascular disease
- VII. Blood Disorders
 - A. Oral Findings Suggestive of Blood Disorders
 - B. Normal Blood
 - C. Red Blood Cell Disorders
 - 1. Types
 - 2. Signs/Symptoms
 - 3. Dental Hygiene Care

- D. White Blood Cell Disorders
 - 1. Types
 - 2. Signs/symptoms
 - 3. Oral Manifestations
 - 4. Dental Hygiene Care
- E. Hemorrhagic Disorders
 - 1. Types
 - 2. Dental Hygiene Care
- VIII. Sexually Transmitted Diseases
 - A. Types of Diseases
 - B. Pathogens (agents)
 - C. Mode of Transmission
 - D. Description – signs/symptoms
 - E. Dental Management
 - F. Treatment
- IX. Soft Tissue Management
 - A. Periodontal Case Types
 - B. Suggested Program Treatment Regimens
 - C. Maintenance/Recare
- X. Chemotherapeutic Plaque Control
 - A. Actions
 - B. Substantivity
 - C. Indications for Use
 - D. Agents Available
- XI. Geriatrics
 - A. Changes and Disorders
 - 1. osteoporosis – definition
 - 2. Alzheimer’s disease
 - B. Oral Conditions of the Aged
 - C. Dental Hygiene Care
- XII. Pulmonary Diseases
 - A. Types
 - B. Signs/symptoms
 - C. Treatment
 - D. Dental Management

II. Course Learning Outcomes

Course Learning Outcome	Method of Assessment
<p>1. Design instrumentation techniques and modalities appropriate to various patient needs.</p> <p>2. Recognize and identify contraindications to oral health care and explain modifications in treatment of the medically and dentally compromised patients.</p> <p>3. Utilize critical thinking and problem-solving strategies to provide proficient and comprehensive dental hygiene care for patients possessing a wide range of oral conditions.</p>	<p>1. Written examinations, lab exercises, clinical application, case studies</p> <p>2. Written examinations, case studies, clinical application</p> <p>3. Written examinations, clinical application</p>

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

Nield-Gehrig, Jill S.: Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation, 5th Edition, Lippincott Williams & Wilkins, 2004.

Wilkins, Esther M.: Clinical Practice of the Dental Hygienist, 9th Edition, Lippincott Williams & Wilkins, 2005.

Wynn, Richard, Timothy Meiller and Harold Crossley, Drug Information Handbook for Dentistry, 11th Edition, Lexi-Comp Inc., 2005.

Thomson, Evelyn, Deborah Bauman, Deanne Shuman and Esther Andrews, Case Studies in Dental Hygiene, Prentice Hall, 2003.

Collins, L. A., Derkowski, C., Mayfield, S., Hahn, D., Bode, B., Novosad, G., Holleman, F., Wharton County Junior College Dental Hygiene Clinic Manual, May 2006.

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 and sterilization area.

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

Written Examinations (4)	50%
Class Participation (quizzes, papers, presentations)	10%
Final Examination	40%

Grading System: A = 100-93, B = 92-84, C = 83-75, D = 74-70, F = 69 and below
Minimum grade of 75 is required to pass the course.

VII. Curriculum Checklist

Administrative-Master Syllabus
form approved June/2006

- **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 2201	
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.	Reading assignments in texts, use of Clinic manual, clinic and class schedules, written examinations, quizzes
2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	Writing lecture notes, case studies
3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	Computations for indices, lab exercises
4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	Oral presentations, group discussions
5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	Written examination, quizzes, case studies
6 PERSON QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	Group projects, case studies
7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology	Group discussions, oral presentations
8 BASIC USE OF COMPUTERS	Computer-generated papers

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.	