

**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** – Pharmacology for the Dental Hygienist

**Course Prefix and Number** – DHYG1235

**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 #**     **2:2:0**

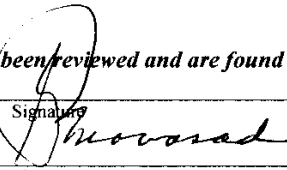

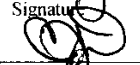

**Equated Pay hours for course** - 2

**Course Catalog Description** – A study of the classes of drugs and their uses, actions, interactions, side effects, contraindications, and oral manifestations with emphasis on dental applications.

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

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

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

Prepared by Garland S. Novosad, DDS	Signature 	Date 8/25/10
Department Head Carol Derkowski, RDH	Signature 	Date 9-13-10
Division Chair Carol Derkowski, RDH	Signature 	Date 9-13-10
Vice President of Instruction or Dean of Vocational Instruction	Signature 	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):

**A: GENERAL PRINCIPLES**

1. Information, Sources, and Regulatory Agencies
2. Drug Action and Handling
3. Adverse Reactions
4. Prescription Writing

**B: DRUGS USED IN DENTISTRY**

1. Autonomic Drugs
2. Nonopioid Analgesics
3. Opioid Analgesics and Antagonists
4. Antiinfective Agents
5. Antifungal and Antiviral Agents
6. Local Anesthetics
7. Antianxiety Agents
8. General Anesthetics
9. Vitamins and Minerals
10. Oral Conditions and Their Treatment

**C: DRUGS THAT MAY ALTER DENTAL TREATMENT**

1. Cardiovascular Drugs
2. Anticonvulsants
3. Psychotherapeutic Agents
4. Autacoids and Antihistamines
5. Adrenocorticosteroids
6. Other Hormones
7. Antineoplastic Drugs
8. Respiratory and Gastrointestinal Drugs

**D: SPECIAL SITUATIONS**

1. Emergency Drugs

**II. Course Learning Outcomes**

Course Learning Outcome	Method of Assessment
Identify the uses, actions, and contraindications of drugs commonly taken by patients.	Examinations and classroom discussion of case-based patient treatment.
Recognize systemic and oral manifestations associated with drug use.	Application of pharmacology to clinical patient treatment.
Familiarity with emergency drugs and recognizing and responding to a patient crisis situation.	Written examination

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

Applied Pharmacology for the Dental Hygienist, 6<sup>th</sup> Edition, Requa-Clark, Barbara, Mosby, ISBN 0-8151-3630-7

**IV. Suggested Course Maximum - 28**

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

**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**

Test Scores from exams                      70%  
Final Exam    30%

A = 100 - 93  
B = 92 - 84  
C = 83 - 75  
D = 74 - 67  
F = 66 & below

Student must pass final examination with minimum score of 75.

**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.