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: ☐ or ☒)

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.

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. Antinfective 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
<table>
<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<tbody>
<tr>
<td>Identify the uses, actions, and contraindications of drugs commonly taken by patients.</td>
<td>Examinations and classroom discussion of case-based patient treatment.</td>
</tr>
<tr>
<td>Familiarity with emergency drugs and recognizing and responding to a patient crisis situation.</td>
<td>Written examination</td>
</tr>
</tbody>
</table>

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


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.