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.

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

Prepared by Brenda Bode 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

<table>
<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<tbody>
<tr>
<td>1. Explain the procedures and rationale for dental hygiene care</td>
<td>1. Written and Lab Competency examinations</td>
</tr>
<tr>
<td>2. Demonstrate basic dental hygiene instrumentation skills</td>
<td>2. Written and Lab Competency examinations</td>
</tr>
<tr>
<td>3. Define ethical principles related to dental hygiene care.</td>
<td>3. Written examinations</td>
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</tbody>
</table>

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

Wilkins, Esther: Clinical Practice of the Dental Hygienist


Pickett, Frieda and Gurenlian, JoAnn: The Medical History

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.