Course Title – Contemporary Dental Hygiene Care I
Course Prefix and Number – DHYG 2201
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
X 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

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

Course Catalog Description - Dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques.

Prerequisites/Co requisites - DHYG 1227, 1261, 1304, 1307, 1319, and 1339 with grade of “C” or higher.

Prepared by Dale G. Hahn Date 9-6-2011
Reviewed by department head Carol Derkowski Date 9/19/11
Accuracy verified by Division Chair Carol Derkowski Date 9/19/11
Approved by Dean of Vocational Instruction or Vice President of Instruction Stephanie Dees Date 12-15-2011
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. Course Information
   A. Course Outcomes
   B. Course Schedule
   C. Course Evaluation
   D. Methods of Instruction

II. Review of Instrumentation
    A. Principles of Instrumentation
    B. Sharpening Techniques
    C. Management of Broken Instrument Tip

III. Nonsurgical Periodontal Instrumentation
    A. Dental Hygiene Care Plan for Instrumentation
    B. Overall Appointment Systems
    C. Scaling with Manual Instruments
       1. Principles of Instrumentation
    D. Use of Ultrasonics in Non-Surgical Periodontal Therapy
       1. Mode of Action
       2. Types (Define, Compare, Contrast types of)
          a. sonic
          b. piezoelectric
          c. magnetostrictive
       3. Purposes and Uses
       4. Contraindications (medical and dental)
       5. Procedure
       6. Instrument Tip Design
       7. Sterilization Procedure

IV. Scaling and Root Planing Instrumentation
    A. Rationale
    B. Technique
    C. Benefits to the Tissue

V. Dentinal Hypersensitivity
    A. Definition
    B. Types of Pain Stimuli
    C. Etiology of Dentin Hypersensitivity
       1. Contributing Factors
       2. Desensitizing Agents
       3. Dental Hygiene Care
    D. Dentin Structure
    E. Management Strategies

VI. Dental Anxiety and Pain Management
    A. Definitions
    B. Sign/Symptoms
    C. Management Options
VII. Nonsurgical Periodontal Therapy: Supplemental Care Procedures
   A. Patient Needs
   B. Supplemental Care Procedures
   C. Advanced Instrumentation
   D. Antimicrobial Treatment
   E. Professional Subgingival Irrigation
      1. Patient Selection
      2. Application
   F. Local Delivery of Antimicrobials
      1. Types
      2. Methods of Delivery
      3. Applications for Clinic and Contraindications
      4. Home Care

VIII. Respiratory Diseases
   A. Types
   B. Signs/symptoms
   C. Treatment
   D. Dental Management

IX. Cardiovascular Diseases
   A. Define Major Types
   B. Signs/Symptoms of each Type
   C. Dental Considerations for Treatment
   D. Cardiac Arrhythmias
   E. Oral Implications with Anticoagulant Therapy

X. 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. Coagulation Disorders
      1. Types
      2. Dental Hygiene Care

XI. Sexually Transmitted Diseases
   A. Types of Diseases
   B. Pathogens (agents)
   C. Mode of Transmission
   D. Description – Signs/Symptoms
   E. Dental Management
   F. Treatment

XII. Chemotherapeutic Agents
   A. Actions
   B. Substantivity
   C. Indications for Use
   D. Agents Available

XIII. Dental Caries Management by Risk Assessment
   A. Define Disease of Dental Caries
   B. Disease Indicators and Risk Factors
   C. Caries Management by Risk Assessment
XIV. Geriatrics
   A. Changes and Disorders
      1. Osteoporosis – definition
      2. Alzheimer’s disease
   B. Oral Conditions of the Aged
   C. Dental Hygiene Care
      1. Clinical facilities
      2. Patient assessment
      3. Plaque Control
      4. Diet & Nutrition

II. Course Learning Outcomes

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<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<tr>
<td>Assess various patient needs; formulate a treatment plan for the medically and dentally compromised patient; and describe supplemental instrumentation techniques.</td>
<td>Written examinations, lab exercises, clinical application, case studies</td>
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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.
   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  
A = 100-93, B = 92-84, C = 83-75, D = 74-67, F = 66 and below  
A minimum grade of 75 (C) is necessary to pass DHYG 2201 (and any other DHYG –designated course).
EVALUATION:  Examinations (4)  50%  
Class Participation  10%  
Final Examination  40%  

EVALUATION OF LATE ASSIGNMENTS:  Assignments must be turned in during class on the due date. Failure to do so for any reason will result in a 5-point grade reduction per calendar day and after 3 calendar days will receive a maximum of only a 75% for a grade.

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

X - WECM Courses
   If needed, revise the Program SCANS Matrix & Competencies Checklist.