COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

DENTAL HYGIENE COURSE SYLLABUS

Course Information

Course Number: DHYG 1219

Course Title: Dental Materials

Course Description: Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry. Lab required. Major Requirement: AAS – Dental Hygiene.

Course Credit Hours: 2
Lecture Hours: 1
Lab Hours: 4

Prerequisite: DHYG 1431 (or DHYG 1331) with a grade of "C" or better

Student Learning Outcomes:

- **State Mandated Outcomes:** Upon successful completion of this course, students will:
  1. Differentiate between the various types of dental materials and their respective properties.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  2. Manipulate materials used in dentistry.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
- **Additional Collin Outcomes:** Upon successful completion of this course, students will:
  1. Identify the materials commonly used in dentistry for restorative and lab procedures.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  2. Demonstrate safe and appropriate handling of these materials.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  3. Discuss the composition, properties and usage of the dental materials employed in operative dentistry and the various dental specialties.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  4. Assess the clinical acceptability of dental restorations and prostheses.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  5. Manipulate various dental materials and utilize them in practice, when appropriate.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  6. Describe the materials, instruments and techniques utilized in dental and dental hygiene specialties.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  7. Understand how to relate knowledge of restorative materials, restorative dentistry and dental specialties to patients.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  8. Utilize knowledge of restorative materials when designing dental hygiene treatment plans and individualizing patient treatment procedures.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  9. Demonstrate laboratory proficiency in the following skills:
     Amalgam Polishing
     Alginate impressions
     Bleaching Trays
     Athletic Mouth Guard
     Gypsum Model Pour
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  10. Demonstrate clinical proficiency in the following skills:
      Pit & Fissure Sealants
      (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)

Secretary's Commission on the Acquisition of Necessary Skills (SCANS) - SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at: http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.