COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

DENTAL HYGIENE COURSE SYLLABUS

Course Information

Course Number: DHYG 1235

Course Title: Pharmacology for the Dental Hygienist

Course Description: Classification of drugs and their uses, actions, interactions, side effects, contraindications with emphasis on dental applications. Major Requirement: AAS – Dental Hygiene.

Course Credit Hours: 2
Lecture Hours: 2

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 the classification of drugs.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  2. Identify the uses, actions, and contraindications of drugs.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  3. Recognize systemic and oral manifestations associated with their ~~drug~~ use.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
- **Additional Collin Outcomes:** Upon successful completion of this course, students will:
  1. Identify pharmaceutical agents commonly used by dental hygienists and dentists.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  2. Discuss the use and pharmacologic effects of drugs commonly used in the dental office.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  3. Contrast and compare the means of administration and the routes of absorption and elimination of drugs commonly used in the dental office.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  4. List the classification of drugs and name commonly used brand names in each category of pharmacologic agents prescribed by physicians.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  5. List drugs commonly prescribed by physicians which may alter the treatment of the dental patient.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  6. Determine the correct emergency procedures needed to combat specific drug reactions.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  7. Differentiate signs and symptoms of adverse drug reactions.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)
  8. Identify the parts and explain the contents of each part of a prescription.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C6, C7, C8, C11, C12, C13, C14, C18, C19)

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.