COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

DENTAL HYGIENE COURSE SYLLABUS

Course Information

Course Number: DHYG 1201

Course Title: Orofacial Anatomy, Histology and Embryology

Course Description: The histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology, and individual tooth identification. Lab required. Major Requirement: AAS – Dental Hygiene.

Course Credit Hours: 2
Lecture Hours: 1
Lab Hours: 3

Prerequisites: BIOL 2401 and BIOL 2402; both with a grade of "C" or better

Student Learning Outcomes:

- **State Mandated Outcomes:** Upon successful completion of this course, students will:
  1. Identify the histological and embryological development of the orofacial structures.
     (SCANS: F1, F4, F5, F6, F7, F8, F9, F10, F11, F12, F15, C5, C7, C11, C12, C13, C14, C18, C19)
  2. Label the major structures of the head and neck.
     (SCANS: F1. F4, F5, F7, F8, F9, F10, F11, F12, F15, C7, C11, C12, C13, C14, C18, C19)
  3. Compare and contrast various teeth including the crown and root morphology.
     (SCANS: F1, F4, F5, F7, F8, F10, F11, F12, F13, F14, F15, F16, C1, C3, C5, C7, C10)
- **Additional Collin Outcomes:** Upon successful completion of this course, students will:
  1. Identify the steps involved in the embryonic development of the oral cavity, face and nasal septum; identify the components of tissue and their classification.
     (SCANS: F1, F4, F7, F9, F10, F11, F12, F15, C7, C11, C12)
  2. Describe the embryology, location, composition, structure and clinical importance of enamel, dentin-pulp complex, cementum, bone, collagen, alveolar process and periodontal ligaments.
     (SCANS: F1, F4, F5, F9, F10, F12, F15, C7, C11, C12, C13)
  3. Describe the histological structure of oral mucous membrane, the histology function and distribution of salivary glands and the location, clinical importance, structure and function of the gingival.
     (SCANS: F1, F4, F5, F9, F10, F12, F15, C7, C11, C12, C13)
  4. Identify the stages of tooth development, eruption, exfoliation and occlusion and anomalies that may result.
     (F1, F4, F5, F7, F8, F9, F10,F11, F12, C7, 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.