COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

DENTAL HYGIENE COURSE SYLLABUS

Course Information

Course Number: DHYG 1227

Course Title: Preventative Dental Hygiene Care

Course Description: The role of the dental hygienist as a therapeutic oral health care provider with emphasis on concepts of disease management, health promotion, communication, and behavior modification. Major Requirement: AAS – Dental Hygiene.

Course Credit Hours: 2
Lecture Hours: 2
Lecture Hours: 1

Prerequisites: ~~BIOL 2420,~~ DHYG 1201 (or DHYG 1301) and DHYG 1431 (or DHYG 1331); all with a grade of "C" or better

Student Learning Outcomes:

- **State Mandated Outcomes:** Upon successful completion of this course, students will:
  1. Describe the role of the dental hygienist as a therapeutic oral health care provider.
     (SCANS: F1, F2, F5, F6, C11, C13)
  2. Develop and implement a patient education plan for periodontal disease.
     (SCANS: F1, F2, F4, F5, F6, F7, F8, F9, F11, F14, F16, C1, C5, C6 C7, C8, C9, C11, C12, C13, C14)
  3. Explain the concepts of disease management.
     (SCANS: F1, F2, F5, F6, C7, C11, C13)
- **Additional Collin Outcomes:** Upon successful completion of this course, students will:
  1. Differentiate the classification of drugs.
     (SCANS: F7, F8, F11, C11, C12, C13, C14)
  2. Identify the uses, actions, and contraindications of drugs.
     (SCANS: F7, F8, F11, C7, C11, C12, C13, C14)
  3. Recognize systemic and oral manifestations associated with their use.
     (SCANS: F7, F8, F11, C7, C11, C12, C13, C14)
  4. Identify the components of preventive dental hygiene care as topics are introduced during the semester.
     (SCANS: F1, F2, F4, F5, F7, F8, F10, F11, C11, C12, C13)
  5. Describe and present the variety of preventive services provided by the dental hygienist and/or the dental team.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, C1, C3, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20)
  6. List the ~~five~~ six stages of the dental hygiene process and describe how they are incorporated into dental hygiene practice.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, C1, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20)
  7. Explain the rationale for planning dental hygiene care.
     (SCANS: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20)
  8. Identify methods employed in effective health promotion and oral disease prevention.
     (SCANS: F1, F2, F4, F5, F6, F7, F8, F10, F11, F16, C3, C5, C6, C7, C9, C10, C11, C12, C13)
  9. Demonstrate knowledge of care of dental prosthesis, oral rehabilitation and implants through discussion and written examination.
     (SCANS: F2, F5,F7, F8, F11, F12, C1, C3, C7, C13)
  10. Discuss the role of the dental professional in preventing tobacco use.
      (SCANS: F1, F2, F5, F6, C11, C13)
  11. Describe the factors contributing to dentinal sensitivity and discuss methods of prevention and desensitization.
      (SCANS: F5, F6, F7, F8, F11, C3, C6, C7, C11, C12, C13)
  12. Demonstrate oral communication and knowledge of current literature through literature reviews and an oral presentation on an article reviewed.
      (SCANS: F1, F2, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, C1, C3, C6, C8, C11, C12, C13, C14, C18, C19)
  13. Discuss appropriate use and indications for chemotherapeutic agents including chlorhexidine stannous fluoride, phenolic compounds, sanguinarine, and quarternary ammonium compounds.
      (SCANS: F1, F5, F6, F7, F8, F10, F11, F12, F13, F14, F15, F16, C3, C6, C7, C11, C12, C13, C14)

14. Incorporate the criteria for selection of appropriate antimicrobial agent in clinical practice.
    (SCANS: F1, F2, F6, F7, F8, F9, F10, F11, F12, F13, F15, C1, C3, C7, C11, C12, C13, C14)
15. Describe the mechanism of action of ultrasonic and sonic scalers.
    (SCANS: F6, F7, F8, F9, F10, F11, F12, F15, C1, C3, C7, C11, C13, C15, C16, C18, C19, C20)
16. Compare the mechanism of action of the magnetostrictive and piezoelectric ultrasonic scaler.
    (SCANS: F7, F8, F9, F10, F11, C3, C11, C13, C16)
17. Discuss the indications and contraindications for use of an ultrasonic/sonic scaler.
    (SCANS: F5, F7, F8, F10, F11, F14, C6, C11, C12, C13)
18. Identify the sharpening angle for curets, sickle scalers, and explorers and describe the technique for sharpening curets, sickle scalers, and explorers using a moving stone and a stationary instrument.
    (SCANS: F1, F3, F4, F5, F6, F7, F8, F9, F10, F11, F14, C6, C8, C11, C12, C13)
19. Understand the demographics, etiology, and disease patterns associated with edentulous persons.
    (SCANS: F1, F6, F7, F8, F10, F11, C11, C12, C13)
20. Appreciate the psychological factors involved in the loss of natural teeth, deficits in the client's wholesome body image, and loss of appreciation and respect.
    (SCANS: F4, F5, F11, C7, C10, C11, C12, C13)
21. Discuss the interrelationships of dentin, cementum, enamel, and the dentoenamel junction as they relate to dentinal hypersensitivity.
    (SCANS: F5, F6, F7, F8, F9, F10, F11, F13, F14, C6, C7, C11, C12, C13)
22. Given a client presenting with dentinal hypersensitivity, develop a professional and home care treatment program for the client utilizing the concepts of communication and behavior modification.
    (SCANS: F1, F2, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, C1, C6, C7, C8, C9, C10, C11, C12, C13, C14, C18, C19, C20)
23. Discuss different treatment modalities for anxiety and pain control.
    (SCANS: F5, F6, F7, F8, F11, F12, C3, C5, C7, C8, C10, C11, C12, C13)
24. Develop an understanding for the wide range and uses for local anesthetics.
    (SCANS: F1, F4, F5, F6, F7, F8, F9, F10, F11, C3, C11, C12, C13)
25. Understand the basic fundamentals for treating pediatric and orthodontic patients.
    (SCANS: F1, F4, F5, F6, F7, F8, F9, F10, F11, C3, C11, C12, C13)
26. Demonstrate knowledge for the field of oral surgery and the range of treatments provided by an oral surgeon.
    (SCANS: F1, F4, F5, F6, F7, F8, F9, F10, F11, C3, C11, C12, C13)

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.