

D H 320C: CLINICAL DENTAL HYGIENE III

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2021
Units:	8.5
Hours:	1 lecture, 23 laboratory per week (288 total per quarter) This is a clinical laboratory course.
Advisory:	Not open to students with credit in D H 62C.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- The student will evaluate periodontal assessment data and complete a probing evaluation with a score of at least 84%.
- The student will apply the principles of dental hygiene instrumentation and complete a test case examination with a score of at least 75%.

Description

Continuation of clinical dental hygiene practice providing comprehensive dental hygiene care in a clinic setting on patients. Emphasis on assessing, planning, and implementing comprehensive dental hygiene care for diverse patient populations and management of patients with special needs in a clinical setting. Students apply knowledge, critical thinking, and clinical skills acquired in previous completed dental hygiene courses. Additional procedures include soft tissue curettage, alternative fulcrums and operatory positioning and interim therapeutic restorations. Progress of development in clinical performance will be evaluated with each successive academic period including evaluation of periodontal probing with a passing grade of 84%. Intended for students in the Dental Hygiene Baccalaureate Degree Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- Collect dental hygiene assessment data on patients in the clinical setting.
- Analyze assessment data and develop appropriate treatment plans for patients in the clinical setting.
- Implement dental hygiene care for patients in the clinical setting.
- Evaluate results of dental hygiene care on patients in the clinical setting.
- Develop oral health education strategies and plans for patients in the clinic setting.
- Maintain standard infection and hazard control protocols during clinic procedures.
- Understand and apply the principles of law and ethics to the practice of dental hygiene.

H. Develop the first stages of the periodontal patient competency project using clinical experience and current evidence based literature.

Course Content

- Dental hygiene assessment data (Lec and Lab)
 - Assessment data
 - Relevant medical and dental information
 - Extraoral and intraoral examination findings
 - Periodontal status
 - Caries examination
 - Risk assessments
 - Dietary information
 - Current oral hygiene habits
 - Consultation with medical/dental professionals
 - Periodontal risk using evidence-based internet programs, radiographs, periodontal examination, bacterial testing and patient interview
 - Caries risk using evidence-based internet programs, radiographs, caries examination findings, patient interview, and saliva testing
- Treatment planning (Lec and Lab)
 - Treatment recommendations based on the patient's individual needs
 - Comprehensive treatment plans
 - Individualized goals and treatment outcomes
 - Oral hygiene instructions
 - Dental hygiene care by appointment
 - Necessary referrals
 - Faculty consultation
 - Development of professional communication
- Dental hygiene treatment procedures (Lec and Lab)
 - Preventive and therapeutic dental hygiene procedures
 - Complete removal of calculus, soft deposits, plaque biofilm, stains and the smoothing of unattached surfaces
 - Pain control procedures
 - Topical anesthesia
 - Local anesthesia
 - Nitrous oxide/oxygen analgesia
 - Adjunctive dental hygiene procedures
 - Ultrasonic scaling
 - Dentinal desensitization treatments
 - Pit and fissure sealants
 - Topical fluoride treatments
 - Locally delivered antimicrobials
 - Soft tissue curettage
 - Interim therapeutic restorations
 - Post-operative instructions
 - Sharpening techniques
 - Emergency management
 - Rotation duties
 - Screener
 - Screener assistant
 - Rover
 - Radiology lab
 - Time management strategies
 - Evaluation of dental hygiene treatment (Lec and Lab)
 - Recall intervals for patients
 - Evaluation of healing following treatment
 - Identification of clinical parameters to assess healing
 - Re-evaluation appointments
 - Dental referrals
 - Oral health education strategies (Lab)
 - Oral hygiene instructions including:
 - Patient's dental health knowledge

- b. Patient motivation
 - c. Manual dexterity
 - d. Gingival condition/periodontal status
2. Nutritional counseling including dietary analysis
 3. Educational strategies to guide patients in learning specific manual skills
 4. Educational techniques/methodologies, and learning styles/preferences appropriate throughout the lifespan
- F. Infection and hazard control protocols (Lec and Lab)
1. Infection control procedure for disinfection of the dental operatory and sterilization of instruments
 2. Prevention of cross contamination
 3. Duties of sterilizer and sterilizer assistant
 4. Equipment maintenance, spore testing and quality control records
- G. Law and ethics (Lec and Lab)
1. Accurate and detailed patient records
 2. Patient confidentiality
 3. Referral to various dental and medical service providers
 4. Professional ethics and conduct when interacting with patients, faculty, and fellow classmates
 5. Acceptable standards of care
 6. Cultural competency

Lab Content

- A. Dental hygiene clinical practice. Assessing, planning, implementing and evaluating dental hygiene care on patients in a clinical setting.
- B. Additional required clinical lab hours. Students participate in the following activities and field experiences as part of their clinical dental hygiene course work: set up time and patient chart review before clinic sessions begin and clean up time and instructor review of dental hygiene care after patients are dismissed, weekly clinic maintenance sessions to clean and inspect all clinic dental chairs and equipment, peer tutoring, student chapter professional association meeting, individual student/teacher conference required at end of each quarter, individual student/teacher conference for dental patient chart audits to review and maintain integrity of patient records, off campus clinical rotations, community service participation.

Special Facilities and/or Equipment

Multimedia classroom, dental hygiene clinic, dental supplies and equipment, student instrument kit, typodont, personal protective barriers, expendable supplies kit, sterilization lab, radiology lab.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Examinations: students must achieve a grade of 75% or better on all examinations
1. Complete a test case on a patient with moderate to heavy calculus case
 2. Complete a mock board examination on a patient with moderate to heavy calculus case
- Clinic proficiencies: students must achieve an acceptable grade on all clinical proficiencies
1. Complete two periodontal probing evaluations with 84%
 2. Complete an instrument sharpening proficiency with 90%
 3. Complete an oral hygiene instruction proficiency on a patient competency with 75%
 4. Complete local anesthesia competency evaluations with a passing score leading to independence on administering anesthesia

Clinic requirements:

1. Complete dental hygiene care on a minimum of 14 patients with a grade of 75%
2. Complete the portfolio project with a grade of 75%
3. Successfully complete approximately 1/3 of the 8-12 yearly patient requirements in calculus class light
4. Successfully complete approximately 1/3 of the 10 yearly minimum patient requirements of calculus class moderate and heavy
5. Successfully complete a minimum of 12 local anesthesia injections
6. Successfully complete radiology requirements

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture
- Laboratory
- Clinical instruction

Representative Text(s) and Other Materials

Bowen, D., and J. Pieren. Darby and Walsh Dental Hygiene Theory and Practice, 5th ed.. 2019.

Nield-Gehrig. Fundamentals of Periodontal Instrumentation, 8th ed.. 2019.

Nield-Gehrig, J., D. Shin, and D. Willman. Foundations of Periodontics for the Dental Hygienist, 5th ed.. 2018.

Wynn, R., T. Meiler, and H. Crossley. Drug Information Handbook for Dentistry, 25th ed.. 2019.

Chan, P., and J. Leicht. Foothill College Dental Hygiene Policy Manual. 2020.

Chan, P., J. Leicht, and P. Staana. Foothill College Dental Hygiene Clinic Manual. 2020.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- A. Reading assignments (weekly) in the clinic manual, textbooks, evidence based journal articles; be prepared to deliver dental hygiene care to patients in clinic.
- B. Write reflections in the four DH program competencies in the e-portfolio.
- C. Write assessment findings, treatment plans, dental hygiene treatment entries, referrals and in the patient electronic charts for patients seen in the clinic each week.

Discipline(s)

Dental Technology