

# D H 50: ORIENTATION TO DENTAL HYGIENE

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2021
<b>Units:</b>	1
<b>Hours:</b>	1 lecture, 1 laboratory per week (24 total per quarter)
<b>Prerequisite:</b>	D H 200L.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- The student will correctly demonstrate instrumentation skills on a dental typodont using an 11/12 explorer, including: modified pen grasp, fulcrums, adaptation, insertion and activation of the instrument.
- The student will identify a variety of explorer types, the proper use of each type, and the correct adaptation and use of explorers.

## Description

Overview of dental hygiene as a career. Dental terminology, introduction to instrumentation skills, including: modified pen grasp, fulcrums, adaptation, insertion and activation of the explorer. The course will involve some online homework, observation in clinic, and instrumentation on typodonts. Introduces infectious diseases, control strategies, hazardous materials management and waste management in the dental environment. Strategies and skills for student success in the dental hygiene program. Introduction to evidence-based literature in dental hygiene. 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:

- explain and demonstrate the correct use of dental terminology
- explain and demonstrate correct exploring technique on a typodont
- explain the significance of various infectious diseases to the provision of dental hygiene care
- explain the correct techniques for infection control procedures and avoiding cross-contamination
- describe the ethical principles in the American Dental Hygiene Code of Ethics
- select a peer reviewed journal article on infection control or transmissible diseases, analyze the research, write abstract, and interpret the data in the scientific paper

## Course Content

- Dental Terminology
  - Anatomical terms of dentistry
  - Root words, suffixes, prefixes of words used in dentistry

### B. Instrumentation Skills

- Grasp
- Fulcrum
- Adaptation
- Insertion
- Activation
- Demonstration of 11/12 explorer on typodont
- Positioning and lighting for instrumentation

### C. Infectious Diseases

- Hepatitis A, B, C
- Herpes
- Tuberculosis
- HIV/AIDS

### D. Infection and Hazard Control Procedures

- Standard precautions
- Pathways of cross-contamination
- Disinfection and sterilization procedures

### E. Ethical and Legal Principles

- ADHA Code of Ethics

### F. Library, Research, Writing and Data Analysis

- Sources of peer reviewed-evidence based research for medical/dental subjects
- Apply math knowledge and critical thinking skills to interpreting research data
- Abstracting a research paper using analysis and evaluation of a scientific paper

## Lab Content

Exploring techniques with the ODU 11/12 explorer on dental typodont models.

## Special Facilities and/or Equipment

- Classroom with multi-media equipment and dental hygiene clinic for lab work.
- When taught as a hybrid course, access to computer with email software and hardware; email address. Students must participate in lab sessions located on Foothill campus.

## Method(s) of Evaluation

- Written exams
- Online assignments
- Homework assignments
- Clinic observation
- Instrumentation evaluation
- Abstract a peer reviewed journal article

## Method(s) of Instruction

Lecture and demonstration of clinical techniques with online enrichment resources

## Representative Text(s) and Other Materials

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

Leicht, Jennifer. D H 50 Orientation to Dental Hygiene Course Manual. 2020.

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

- A. Weekly reading assignments in required instrumentation book and course manual (50-100 pages)
- B. Online tutorials (1 or 2 hours)
- C. Written paper on clinic observation, time management paper and schedule, written abstract of peer reviewed research paper

## **Discipline(s)**

Dental Technology