

**DH 71A Course Outline as of Fall 2020****CATALOG INFORMATION**

Dept and Nbr: DH 71A Title: DENTAL HYGIENE 1

Full Title: Clinical Dental Hygiene Care and Theory 1

Last Reviewed: 3/11/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	5.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	5.00	Lab Scheduled	9.00	17.5	Lab Scheduled	157.50
		Contact DHR	0		Contact DHR	0
		Contact Total	11.00		Contact Total	192.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 262.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: DH 71

**Catalog Description:**

Provides the student hygienist with a broad theoretical basis to perform clinical aspects of dental hygiene practice in the evolving profession of dental hygiene and the dental hygiene process of care. Infection control protocols established by the California Board of Dental Examiners and the Centers for Disease Control and Prevention will be implemented.

**Prerequisites/Corequisites:**

Concurrent Enrollment in DH 70 AND Course Completion or Current Enrollment in DE 51 and DE 55A

**Recommended Preparation:****Limits on Enrollment:**

Acceptance into a Allied Dental Program

**Schedule of Classes Information:**

Description: Provides the student hygienist with a broad theoretical basis to perform clinical aspects of dental hygiene practice in the evolving profession of dental hygiene and the dental hygiene process of care. Infection control protocols established by the California Board of Dental Examiners and the Centers for Disease Control and Prevention will be implemented.

(Grade Only)

Prerequisites/Corequisites: Concurrent Enrollment in DH 70 AND Course Completion or Current Enrollment in DE 51 and DE 55A

Recommended:

Limits on Enrollment: Acceptance into a Allied Dental Program

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 1998	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Acquire and synthesize information in an ethical, critical, scientific, and effective manner (novice level).
2. Initiate and assume responsibility for health promotion and disease prevention activities for diverse populations in a rapidly changing health environment (novice level).
3. Systematically collect, analyze, and accurately record baseline data on general, oral and psychosocial health status using methods consistent with medicolegal principles (novice level).

### **Objectives:**

At the conclusion of this course, the student should be able to:

Theory Objectives

1. List and evaluate roles and functions of the dental hygienist.
2. Compare and contrast the concepts of clients versus patients.
3. Identify and contrast phases of dental hygiene care, assessment, problem identification, planning and implementation, and outcome evaluation.
4. Describe the design features and limitation of the various instrument handles and shanks.
5. Describe the goals, components, advantages, and disadvantages of recording patient health history.
6. Differentiate between a dental history and a medical history and explain the rationale and implication for each notation of the history form.
7. List the regimen for patients requiring pre-medication according to the American Heart Association guidelines.
8. Identify the role of sub-acute bacterial endocarditis prophylaxis in patient care.
9. Analyze and articulate various significant acute and chronic diseases and medication

triangulation as related to dental health.

10. Evaluate contraindications when patients present with high blood pressure and when medical consultation is required.
11. Describe normal healthy clinical appearance of gingival tissues and the etiological and risk factors associated with periodontal diseases.
12. Describe and evaluate the appropriate records and documentation of periodontal assessments.
13. Discuss the uses and limitations of the universal curettes, sickle scalers, and area-specific curettes in scaling and root planning.
14. Describe different types of assessment instruments, their uses, and adaptation techniques.

#### Clinical Objectives

1. Identify and demonstrate the operation and maintenance of the equipment in the dental treatment area.
2. Apply infection control techniques for prevention of disease transmission through demonstration of proper pre- and post-appointment operator preparation procedures, instrument recirculation methods, and aseptic technique.
3. Demonstrate good practices of patient reception, comfort, psychological preparation for procedures, and patient dismissal.
4. Cite and discuss the importance of ergonomics at chairside.
5. Demonstrate the ergonomic principles of operator positioning, patient positioning, equipment positioning, and instrumentation.
6. Demonstrate correct preparation and placement of treatment water prior to, during, and after procedures.
7. Demonstrate assessment skills designed to identify oral health in order to plan treatment with the goal of delivering comprehensive dental hygiene care.
8. Apply techniques of insertion, adaptation, angulation, and lateral pressure for assessment and working strokes.
9. Differentiate between wrist motion and digital motion.
10. Demonstrate procedures and techniques for scaling and root- planning instruments used for implementation of initial periodontal maintenance and oral prophylaxis with universal curettes and scalers.
11. Differentiate among illumination, transillumination, and retraction.
12. Evaluate and record patient's vital signs, blood pressure, and respiration rates.
13. Demonstrate effective clinical charting to include various types of lesions, modes of palpation, calculus, and levels of plaque.
14. List clinical characteristics of healthy and diseased gingiva and techniques and modes of recording of periodontal probing.
15. Demonstrate professionalism through personal appearance, attitude, and conduct appropriate for the learning environment, as well as for rendering patient care.

#### Topics and Scope:

##### I. Theory

###### A. Overview of Dental Hygiene Process and role of registered dental hygienist in California

1. define dental hygiene
2. four dental hygiene models
3. roles of the dental hygienist
4. dental hygiene paradigm

###### B. Dental Hygiene Process\*

1. concepts of clients/patients
2. patient reception and comfort
3. psychological preparation

### C. Phases of Hygiene Care\*

1. assessment
2. problem identification
3. planning and implementation
4. outcome evaluation

### D. Infection/Hazard Control Management for SRJC Clinic (clinical only)

1. equipment operation and maintenance
2. personal protection
3. instrument recirculation
4. chemical management
5. infectious waste management
6. dental unit water treatment
7. follows safety regulations

### E. Operator/patient positioning\*

1. seat and dismiss the patient
2. operator zones of activity
3. position of the dental light
4. ergonomics at chairside

### F. Dental hygiene assessments\*

1. personal, medical, and dental history
2. vital signs
3. intra-extra oral examination (didactic only)
4. American Heart Association premedication recommendations
5. indications for medical consultation

### G. Gingival tissue\*

1. normal
2. clinical appearance
3. periodontal disease and risk factors

## II. Clinical

### A. Evaluation of periodontal integrity\*

1. detection and description of hard and soft deposits
2. periodontal probing
3. bleeding points
4. recession
5. gingival description

### B. Instrumentation fundamentals and design\*

1. grasp and fulcrum
2. mouth mirrors
3. adaptation techniques
4. periodontal probes
5. calculus detection instruments
6. universal curettes
7. sickle scalers
8. area-specific curettes

### C. Introduction to techniques and practice on typodonts\*

1. probe
2. explorers 11/12
3. universal curettes
4. sickle scalers
5. area-specific curettes

### D. Introduction to instrument sharpening\*

1. rationale

2. sharpening stones
3. technique
4. testing for sharpness
- E. Documentation\*
  1. patient records
  2. charting records
- F. Professionalism\*
  1. honesty in actions and relationships
  2. attitude of concern, respect, and cooperation
  3. managing time well
  4. follows safety regulations
  5. responsibility for assigned clinical duties

\*These items are introduced in lecture, and the related skill is performed in the lab

## Assignment:

### Lecture

1. Completion of reading assignments (15-30 pages per week)
2. Weekly written homework, (10 - 15 assignments)
3. Students will journal about their clinical experiences each session. Students assess the factors they believe contributed to the success of the session or prevented them from meeting their goals.
4. Written quizzes (4-8); midterm and final examination

### Laboratory/Clinical skill demonstrations and competencies:

1. Health history competency
2. Vital sign competency
3. Instrumentation competency - mirror, explorer, probe on typodont and student partners
4. Instrumentation competency- sickle scalers, universal on typodont and student partners
5. Curettes, area specific curette on typodont and student partners competency
6. Instrument sharpening competency
7. Midterm and final clinical examinations

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework; journal assignments
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Writing 5 - 10%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None
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Problem solving 0 - 0%
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**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Clinical competencies	Skill Demonstrations 40 - 50%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Lecture quizzes, midterm, final; Clinical midterm, final	Exams 40 - 50%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
None	Other Category 0 - 0%

### **Representative Textbooks and Materials:**

Darby and Walsh Dental Hygiene Theory and Practice. 5th ed. Bowen, Denise and Pieren, Jennifer. Elsevier. 2020

Fundamentals of Periodontal Instrumentation. 8th ed. Gehrig, Jill and Sroda, Rebecca and Saccusso, Darlene. Lippincott Williams & Wilkins. 2018. video clips, online

Patient Assessment Tutorials. 4th ed. Gehrig, Jill. Lippincott Williams & Wilkins. 2017

Lexicomp (online for Dentistry). Wolters Kluwer Clinical Drug Information, Inc. and its affiliates and/or licensors. 2019

Foundations of Periodontics for the Dental Hygienist. 5th ed. Gehrig, Jill and Shin, Daniel and Willmann, Donald. Lippincott Williams and Wilkins. 2018

Clinical Policy Manual- online

Instructor prepared materials