

CATALOG INFORMATION

Dept and Nbr: DH 73

Title: CLINICAL D.HYGIENE 1

Full Title: Clinical Dental Hygiene 1

Last Reviewed: 9/29/2003

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	4.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	4.00	Lab Scheduled	6.00	17.5	Lab Scheduled	105.00
		Contact DHR	0		Contact DHR	0
		Contact Total	8.00		Contact Total	140.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 210.00

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:

**Catalog Description:**  
Application of the dental hygiene process of care guided by the human needs conceptual model to promote oral health and wellness. The course includes laboratory and clinical experiences in client assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care (preventive and therapeutic procedures, oral health education). Evaluation of dental hygiene care/oral health goals attainment is also emphasized as an essential component of the dental hygiene process.

**Prerequisites/Corequisites:**  
Course Completion of DH 70 and Course Completion of DH 71A ( or DH 71) and Course Completion or Current Enrollment in DH 72

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Application of the dental hygiene process of care guided by the human needs conceptual model to promote oral health and wellness. The course includes laboratory and

clinical experiences in client assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care (preventive and therapeutic procedures, oral health education). Evaluation of dental hygiene care/oral health goals attainment is also emphasized as an essential component of the dental hygiene process. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 70 and Course Completion of DH 71A (or DH 71) and Course Completion or Current Enrollment in DH 72

Recommended:

Limits on Enrollment:

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: Spring 2000	Inactive: Spring 2008
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, student's will be able to:

1. Exhibit professionalism through conduct, attitude (respect, concern, cooperation, collaboration), and adherence, to protocols, promptness, clinic and class preparation and personal appearance.
2. Describe the differences between the occupational and professional conceptual models of dental hygiene.
3. Identify the human needs related to dental hygiene care.
4. Discuss the benefits of using the dental hygiene process as the core of professional practice.
5. Discuss concepts of health and wellness.
6. Relate the significance of communication to the profession of dental hygiene.
7. Utilize infection control protocols for prevention of disease transmission through demonstration of proper pre and post appointment operatory preparation procedures, instrument recirculation methods and aseptic technique.
8. Apply the principles of instrument sharpening for proper sharpening of curets (Gracey and Universal curets) and sickle scalers.
9. Collect and record data (subjective and objective) from client interview and case history and describe rationale for obtaining

information under the components: chief complaint, history of complaint, dental history, personal/social history.

10. Obtain complete health history, collect data systematically, record accurately, communicate findings and update continuously using methods consistent with medico legal standards.

11. Describe and demonstrate the correct technique for taking vital signs (pulse, respiration, blood pressure, and temperature), analyze data, note deviations, limitations and collaborate with other professionals as required.

12. Identify potential medical emergencies which may occur in the dental hygiene environment, procedures for preventing such emergencies; and if an emergency should occur, methods for proper management of these health-threatening complications.

13. Describe the Basic Life Support steps (one/two person(s) and the rationale for each component of the Basic Life Support procedure.

14. Locate anatomic landmarks and describe the normal and atypical ranges of clinical appearances for extra and intraoral hard and soft tissues and structures; recognize, refer and follow-up on specific lesions significant to the general and oral health of the client.

15. Demonstrate periodontal and dentition assessment of the client's periodontium and dentition in order to develop a plan for the prevention and control of oral diseases.

16. Analyze all the data gathered during the assessment phase of the dental hygiene process to identify the client's oral health needs (human needs related to dental hygiene care) in order to plan treatment with the goals of delivering comprehensive dental hygiene care.

17. Demonstrate individualized preventive oral hygiene care instruction designed to motivate the client toward routine and effective home care skills and habit cessation essential for the prevention and control of oral diseases.

18. Apply principles of instrumentation for the proper use of the explorers, mouth mirrors, periodontal probe, universal curets, Gracey (area-specific) curets, sickle scalers and polishing instruments.

19. Perform coronal polishing technique with appropriate material selection and precautions for polishing natural tooth surfaces, restorations and dental appliance.

20. Demonstrate technique, procedures and state rationale and precautions for professional application of topical fluoride.

21. Perform procedures associated with evaluation of outcome following implementation of dental hygiene care.

22. Analyze evaluation outcome and offer recommendations to client regarding preventive and therapeutic measures as well as professional dental hygiene care interval.

23. Collaborate with other dental/health care professionals as indicated throughout the dental hygiene process in order to meet the needs of the client for comprehensive oral health care.

24. Utilize the Santa Rosa Junior College Handbook of protocols, procedures and policies for the Dental Programs Clinic and Department operations to ensure the highest quality of client care and to enhance the educational process.

## **Topics and Scope:**

## A. Conceptual Framework for Dental Hygiene

1. Evolving profession of dental hygiene
2. Dental Hygiene human needs conceptual model
  - a. Safety
  - b. Freedom from pain/stress
  - c. Wholesome body image
  - d. Skin and mucous membrane integrity of head and neck
  - e. Nutrition
  - f. Biologically sound dentition
  - g. Conceptualization and problem solving
  - h. Appreciation and respect
  - i. Self-determination and responsibility
  - j. Territoriality
  - k. Value System
3. Dental hygiene process of care
  - a. Assessment
  - b. Dental hygiene diagnosis
  - c. Planning
  - d. Implementation
  - e. Evaluation
4. Health and Wellness
5. Behavioral science foundations for the dental hygiene process

## B. Dental Hygiene care instrumentation technique development and rationale for use:

1. Gracey curets
2. Sickie scaler
3. Review of instrumentation with: probe, explorers, and universal curets
4. Coronal polishing (Slow speed handpiece, right angle attachment with rubber cup and brush)
5. Calculus and stain removal from removable dental appliances

## C. Introduction to Instrument Sharpening

1. Rationale
2. Sharpening stones
3. Technique
4. Testing for Sharpness

## D. Clinical application of oral health education (DH 72)

1. Develop plan based on the dental hygiene diagnosis
2. Consider client's motivational needs, physical limitations, lifestyle and culture
3. Integrate oral health education into overall care plan.
4. Engage client as partner
5. Demonstrate ability to instruct client on tooth brushing and interproximal plaque self-care techniques.

## E. Professional topical fluoride application

1. Professionally applied agents
2. Steps and rationale (Acidulated phosphate fluoride gels and foams)
3. Indications and contraindications

## F. Vital sign Assessment

1. Pulse
2. Respiration

3. Temperature
4. Blood Pressure
5. Protocol for ranges not within normal limits
- G. Medical Emergency procedures
  1. Santa Rosa Junior College emergency protocol
  2. Emergency drugs and devices
  3. Airway patient maneuver
  4. Emesis/foreign body maneuver
  5. Broken instrument tip
  6. Syncope
  7. Hyperventilation
  8. Angina pectoris
  9. Cardiac arrest
  10. Myocardial infarction
  11. Respiratory arrest
  12. Asthma
  13. Diabetes: Insulin shock/diabetic coma
  14. Epilepsy
  15. Cerebrovascular accident (stroke)
  16. Anaphylactic shock
- H. Santa Rosa Junior College Dental Hygiene Clinic policies and procedures related to client and assigned rotations.
  1. Client assignments; and professional responsibilities
  2. Telephone communication and appointment planning
  3. Client Bill of Rights and informed consent
  4. Fee determination and collection procedures
  5. Radiographic request for duplicates or prescription
  6. Dental hygiene care collaboration and referral
  7. Client assignment: alternating recall maintenance, discontinuance, and transfer
  8. Protocol for progress notes
  9. Documentation of student accomplishments
  10. Formative and summative evaluation of dental hygiene care provided for clients
  11. Clinic assistant rotation
  12. Desk assistant rotation
  13. Oral examination rotation

### **Assignment:**

1. Write Human Need Theory & Dental Hygiene paper based on case studies (min. 5 pgs.)
2. Create a chairside visual aid as the Plaque Control Device Technique project
3. Completion of DH client care requirements in a clinical setting (min. of 3 light case types)
4. Completion of Gracey curet proficiency competency
5. Using role play, complete 2 medical emergency proficiencies
6. Quizzes and exams
7. Readings from several textbooks for an average of 40 pgs/week

## 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.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Demonstration of basic clinical skills

Problem solving  
10 - 50%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams, 10 basic instrument competencies, select case type

Skill Demonstrations  
25 - 65%

**Exams:** All forms of formal testing, other than skill performance exams.

True/false, Matching items, Completion, Fill in

Exams  
10 - 50%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Professionalism: Criteria used to evaluate on file.

Other Category  
15 - 55%

## Representative Textbooks and Materials:

CLINICAL PRACTICE OF THE DENTAL HYGIENIST: Wilkins, Esther M., Lippincott Williams & Wilkins, 8th Ed., 1999

DENTAL HYGIENE THEORY AND PRACTICE: Darby and Walsh, Elsevier Saunders, 2nd Ed., 2003

FUNDAMENTALS OF PERIODONTAL INSTRUMENTATION: Nield-Gehrig, Lippincott Williams & Wilkins, 4th Ed., 2000

Supplementary Texts

TABER'S CYCLOPEDIA MEDICAL DICTIONARY: 18th Ed., Davis, 1997

MEDICAL EMERGENCIES IN THE DENTAL OFFICE: 5th Ed., St Louis, C.V. Mosby, 2000