

**DH 86 Course Outline as of Spring 2001****CATALOG INFORMATION**

Dept and Nbr: DH 86 Title: INTG DENT HYG &amp; DENTIST

Full Title: Integration of Dental Hygiene and Dentistry

Last Reviewed: 2/7/2022

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

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

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:**

A course covering various aspects of dentistry including restorative dentistry, esthetic dentistry, prosthodontics, endodontics, orthodontics, pediatric dentistry, periodontics, geriatric dentistry, oral/maxillofacial surgery, and new technology in dentistry. Students are exposed to how these various areas of dentistry are implemented in the general dental practice, how dental hygiene relates to each area, as well as how to make a referral to a dental specialist in the case of the difficult patient. Integration of dental concepts and comprehensive patient care in preparation for future collaborative practice between the dental hygienist and other health care providers is emphasized for each topic area.

**Prerequisites/Corequisites:**

Course Completion of DH 76

**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: A course covering various aspects of dentistry including restorative dentistry,

esthetic dentistry, prosthodontics, endodontics, orthodontics, pediatric dentistry, periodontics, geriatric dentistry, oral/maxillofacial surgery, and new technology in dentistry. Students are exposed to how these various areas of dentistry are implemented in the general dental practice, how dental hygiene relates to each area, as well as how to make a referral to a dental specialist in the case of the difficult patient. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 76

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 2001	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

- A. Describe the variety of procedures practiced by the general dentist and the indications/contraindications for common dental procedures.
- B. Explain the considerations (psychological, social, financial) in developing a comprehensive treatment plan for dental care for a patient.
- C. Explain how the practice of dental hygiene relates to the patient's comprehensive dental treatment plan and ultimately to the patient's total well being.
- D. Interpret procedures listed on an example dental treatment plan in terminology that can be understood by a patient with no special knowledge of dentistry. Explain that same treatment plan to a fellow dental professional in sufficient detail to collaborate dental hygiene care for that patient.
- E. List the recognized dental specialties: discuss the scope of each dental specialty practice and how each may interrelate with other areas of dentistry including dental hygiene.
- F. Discuss guidelines to be used in determining when it is appropriate to refer a patient for specialty care.
- G. Define the components of a smoothly functioning relationship between hygienist, general dentist, specialist, and patient.
- H. Assess the potential problem areas in the referral relationship and

suggest ideas to prevent common problems.

- I. Explain to a theoretical patient why a referral to a dental specialist is being made and answer commonly asked questions regarding referral.
- J. Describe the advancements in the dental and medical sciences in short time periods and have skill in analyzing new technology based on the scientific method.
- K. Evaluate the variety of practice settings available to the dental hygienist and use this knowledge to promote career satisfaction and public service.
- L. Explain the concept of collaborative practice and the positive consequences this practice model has for the dental team and the patient.
- M. Diagram and discuss the biologic width . Explain the complications associated with violation of the biologic width during restorative procedures, and offer options for clinical care and/or correction of biologic width problem areas.
- N. Discuss the value of early diagnosis and referral in the specialty of orthodontics as it related to the plasticity during growth and development.
- O. Explain the difference between osseointegrated implants and encapsulated implants and why osseointegration is preferred; include a discussion of how occlusal forces affect implants, and discuss the hygienist's role in the maintenance of implants.
- P. Discuss the subject of microultrasonic instrumentation (Holbrook technique), its uses, advantages, and disadvantages; include an explanation to patients as to why you might prefer to use this technique clinically.
- q. This is test of tabbing  
We are adding an additional line of text.

### **Topics and Scope:**

- I. Restorative Dentistry
  - A. Operative Dentistry
    1. common procedures
    2. indications/contraindications for specific procedures
    3. explaining procedures to the patient
    4. dental hygiene and operative procedures
  - B. Prosthodontics
    1. fixed prosthodontics
    2. removable prosthodontics
    3. explaining procedures to the patient
    4. indications for referral to a prosthodontist
    5. specific dental hygiene procedures in relation to fixed/removable prosthetics
  - C. Comprehensive Treatment Planning for Restorative Dentistry
    1. diagnosis
    2. caries control/prevention
    3. temporization
    4. permanent restoration
  - D. Esthetic Dentistry

1. bleaching
2. bonding and veneers
3. usage of tooth colored restorative materials for esthetics
4. facial and tooth dimensions for optimal esthetics
- E. Relationship of Restorative Dentistry to Periodontal Health/Disease
  1. plaque control and restorations
  2. margin placement and gingival response
  3. violation of biologic width and its consequences
  4. role of the hygienist
2. Pediatric Dentistry
  - A. Effective Child Management in the Dental Office
    1. child s first visit
    2. the show, tell, do approach
    3. office sedation of the child patient
    4. when to refer to a specialist
  - B. Special Dental Needs of the Child Patient
    1. evaluation of occlusion
    2. nursing bottle caries
    3. finger/thumb sucking habits
    4. space maintainers
    5. stainless steel crowns
    6. pulpotomy/pulpectomy
  - C. Role of the Dental Hygienist/Preventive Services
    1. effective plaque control instruction for children
    2. role of fluorides
    3. communicating with the parents about treatment
  3. Orthodontics
    - A. Assessing Malocclusions
      1. dental malocclusions
      2. skeletal malocclusions
    - B. Growth and Development
      1. effects of development on the dental occlusion
      2. plasticity: advantages of early intervention
      3. phased orthodontic care
      4. indications for combined orthodontic/oral surgical treatment planning
    - C. When to Refer to a Specialist
    - D. Role of the Dental Hygienist
  4. Periodontics
    - A. Periodontal Diseases (review)
      1. assessment
      2. etiology
      3. prognosis
      4. treatment planning in periodontal therapy
    - B. Mucogingival Defects
      1. assessment
      2. etiology
      3. management
    - C. Implants and the Periodontist
    - D. Specialty Care: Guidelines for Referral
    - E. Role of the Dental Hygienist
      1. assessment of the periodontal patient
      2. therapy for the periodontal patient

3. maintenance care of the periodontal patient
4. creating harmonious referral relationships/troubleshooting
5. Oral and Maxillofacial Surgery
  - A. Scope of Care
    1. exodontia
    2. pathology evaluation and treatment
    3. facial trauma
    4. cosmetic procedures/growth and development issues
  - B. Oral Surgery in General Practice
  - C. Evaluating for Specialty Referral
  - D. Communicating with the Patient about Referral
  - E. Role of the Dental Hygienist
6. Endodontics
  - A. Review of Tooth Development and the Dental Pulp
  - B. Diagnostic Procedures
  - C. Treatment for Endodontic Problems
    1. nonsurgical techniques
    2. surgical techniques
  - D. Endodontic/Periodontic Problems
  - E. Cracked Tooth Syndrome
  - F. Avulsed teeth - Endodontic/Oral Surgical/Orthodontic Relationships
  - G. Endodontics in the general practice
  - H. Referral for Endodontic Care
  - I. Role of the Hygienist
7. New technology in Dentistry
  - A. Preventative Therapies
  - B. Diagnostic Procedures
  - C. Therapeutic Procedures
  - D. Evaluating New Technology Using the Scientific Method
8. Contemporary Issues for the Dental Hygienist
  - A. Collaborative Practice Model in Comprehensive Patient Care
  - B. Student Reports on Current Topics in Dental Hygiene/Dentistry
    1. tobacco and smoking cessation
    2. repetitive use syndromes in dental hygiene
    3. managed health care provider systems and dentistry
    4. alternative practice settings for the dental hygienist
    5. recognizing child abuse in the dental setting

**Assignment:**

Instrumentation proficiency  
 Dental Hygiene Process Observation  
 DH Process Proficiency  
 Completion of DH client care requirements  
 Case presentations  
 Professional responsibility

**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.

Term papers

Writing  
5 - 40%

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

Homework problems, Field work, Quizzes, Exams, Skills

Problem solving  
10 - 80%

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

Class performances, Field work, Performance exams

Skill Demonstrations  
5 - 35%

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

Multiple choice, True/false, Matching items, Completion

Exams  
5 - 40%

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

Professionalism. Criteria used to evaluate on file.

Other Category  
5 - 25%

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

Dental Hygiene Theory & Practice. Darby, M. and Walsh, M. W.B. Saunders, Philadelphia, 1996

Periodontal Instrumentation, Pattison, A. and Pattison, G., Norwalk: Appleton and Lange, 1992

Clinical Practice of the Dental Hygienist 7th Ed.. Wilkins, E.M., Malvern: Williams & Wilkins, 1990.

SUPPLEMENTARY TEXTS: Medical Emergencies in the Dental Office, 4th Ed., St. Louis, CV Mosby, 1993