

Course Information Form (CIF)

Course Code: DHG 216

Course Title: Seminar II

Department: Allied Health

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 51.0601

Repeatability: 0

Credit Hours

Catalog Notation: 1-0-1

Credit Hour Distribution:

Lecture: 1

Lab: 0

Clinical: 0

Total: 1

General Course Information

Catalog Description

Topics related to patient treatment and patient management in DHG 215. Topics include treatment planning, nonsurgical periodontal therapy, oral chemotherapeutic agents, dentifrices/mouth rinses, root morphology related to the periodontal patient, fluoride, and air-polishing.

General Course Objectives

1. Develop comprehensive treatment plans tailored to the needs of periodontal patients.
2. Describe and apply nonsurgical periodontal therapy techniques in clinical practice.
3. Classify periodontal conditions using the AAP periodontal classification system.
4. Identify and evaluate the use of oral chemotherapeutic agents in periodontal therapy.
5. Differentiate between various dentifrices and mouth rinses and recommend appropriate products for periodontal patients.
6. Analyze root morphology and its implications for periodontal treatment and maintenance.
7. Explain the role of fluoride in periodontal health and apply appropriate fluoride therapies.
8. Demonstrate the correct techniques for air-polishing in managing periodontal patients.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	None

Prerequisites

Credit in DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, and BIO 123

Credit or concurrent enrollment in COM 103

Admission into the Dental Hygiene program

Methods of Evaluation

1-2 objective multiple choice quizzes, 1-2 objective multiple choice exams, 1 final exam, 2-3 reflective discussion posts, 2-4 assignments, and 1 final comprehensive review assignment.

Instructional Materials and Additional Supplies

Foundations of Periodontics for the Dental Hygienist, Nield-Gehrig, J.S. and Willmann, D.E. Jones and Bartlett Learning. 978-1284209266

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Diagnosis Statement, Treatment Planning for the Periodontal Patient	1. Describe the goals and rationale for periodontal treatment planning. 2. Define ADPIE and dental hygiene process of care. 3. Define the role of the dental hygienist in determining the dental hygiene care plan. 4. Create a dental hygiene diagnosis statement and parameters of care. 5. Classify the phases of dental treatment included in the comprehensive care plan. 6. Understand and apply the A.A.P. 2017 Periodontal Classifications. 7. Identify the considerations for sequencing dental hygiene treatment with periodontal disease. 8. Identify the patient factors to consider when establishing the treatment plan sequence. 9. Describe the factors included in informed consent and informed refusal. 10. Describe supervised neglect. 11. Understand the importance of informed consent and its importance to the process of patient care. 12. Self-reflect on informing patient of diagnosis, risks, and benefits. 13. Reflect on outcomes of patient treatment. 14. Explain and demonstrate the stages of periodontal disease and treatment options.	2	0	0
Nonsurgical Periodontal Therapy (NSPT): Supplemental Care Procedures/Root Morphology	1. Know the etiology of periodontal disease. 2. Apply the A.A.P. 2017 Periodontal Classifications system. 3. Define Nonsurgical Periodontal Therapy (NSPT) and its components. 4. Understand the purpose of NSPT. 5. Identify supplemental care procedures for uncomplicated gingivitis, early periodontitis, and moderate to advanced periodontitis. 6. Define Therapeutic Endpoint and its features. 7. Compare oral prophylaxis with NSPT. 8. Discuss the outcomes of successful NSPT. 9. Identify the patient's re-care appointments. 10. Understand the need for Advanced Instrumentation. 11. Discuss the use of the Nabers' Probe. 12. Discuss the classification of tooth mobility. 13. Describe alternate and extraoral fulcrum placement. 14. Identify the selection and sequence of instruments. 15. Discuss the need for referring to a periodontist. 16. Describe the patient response to NSPT. 17. Discuss the components and timeline of evaluation. 18. Identify the codes used for documenting treatment of the periodontally involved patient.	4	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Plaque Biofilm and Disease Control for the Periodontal Patient	1. List the goals for plaque biofilm control for the periodontal patient. 2. Recognize the role of plaque biofilm removal as an essential element in dental hygiene treatment for patients with periodontal disease. 3. Describe why plaque biofilm control is more complex for periodontal patients than for those without clinical attachment loss. 4. Identify interproximal plaque biofilm removal techniques that permit access to root surface concavities and furcations. 5. Determine the need for antibiotic treatment. 6. List and describe the suggested requirements for an effective antimicrobial mouth rinse. 7. Identify effective chemical plaque biofilm control agents and their indications for use. 8. Understand when and how ARESTIN should be used on a patient. 9. List contraindications for the use of ARESTIN. 10. Describe and compare delivery methods and types of supplemental antimicrobial therapies for periodontal disease. 11. Compare the effectiveness and uses of supragingival and subgingival irrigation. 12. List the suggested uses for home oral irrigation. 13. List and describe the types of at-home oral irrigators and the types of tips. 14. Describe the role of motivation in gaining compliance of patients for plaque biofilm control programs.	2	0	0
Dentifrices and Mouth Rinses	1. Define dentifrice. 2. List and describe the basic ingredients of dentifrices. 3. Discuss the differences and reasons for recommending dentifrices according to abrasiveness. 4. List and describe the chemotherapeutic ingredients of dentifrices. 5. List and describe the recommended dentifrice for patients with the following: increased risk of caries, hypersensitivity, dry mouth, gingivitis/periodontitis, heavy biofilm, calculus formers, and halitosis. 6. Describe the recommended amount of toothpaste for children under 2, between 2-7, and adults. 7. Explain the recommendations for the use of prescription fluoride toothpaste. 8. Explain the ADA acceptance of dentifrices. 9. List the conditions for which mouth rinses should be considered. 10. Explain the significance of alcohol in mouth rinses. 11. List and describe the basic ingredients of commercially prepared mouth rinses.	2	0	0
Fluorides	1. Name the most common childhood disease in the world. 2. Name the most effective agent for the prevention and control of smooth surface caries. 3. Name the most effective caries control for pits and fissures. 4. Name the mineral from which fluoride comes. 5. Name the main natural source of fluoride. 6. List some foods in which fluoride is found. 7. Name the organs through which the majority of fluoride is absorbed. 8. Name the tissues of the body where fluoride is found abundantly. 9. List several effects that fluoride has on the body. 10. Name and describe the three periods of tooth development during which fluoride can be acquired. 11. Describe the structure of enamel. 12. Describe the systemic uptake of fluoride.	4	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Fluorides (cont'd)	13. Describe the topical uptake of fluoride. 14. Explain demineralization and remineralization. 15. Explain the importance of fluoride in the uptake of calcium and phosphorous during remineralization. 16. Describe acute fluoride toxicity. 17. Explain CLD and STD for adults and children. 18. List the symptoms of acute toxicity. 19. List the emergency treatment for acute fluoride toxicity. 20. Name the mode of excretion of most excess fluoride. 21. Explain chronic fluoride toxicity (skeletal fluorosis and dental fluorosis). 22. Define community water fluoridation. 23. Describe the process and optimum level of water fluoridation for School Fluoridation. 24. Describe defluoridation. 25. Describe the primary roles of Dr. H. Trendley Dean, C.V. Churchill, and Dr. Fredrick McKay in pioneering water fluoridation. 26. List and explain the variations of mottling of fluorosis. 27. Explain the effects of fluoride on caries reduction. 28. Explain the process for administering low-potency, high-frequency NaF and high-potency, low frequency NaF. 29. Explain in detail the three types of systemic fluoride applications. 30. Explain in detail the various types of professionally applied fluoride. 31. Describe the requirements for prescribing fluoride supplements. 32. Describe the Halo Effect. 33. Describe the dental hygienist's role when there is opposition to community water fluoridation. 34. List the indications for professional fluoride application. 35. List and describe the various types of self-applied fluoride treatments. 36. List the fluorides found in dentifrices.			
Air Polishing	1. Describe how an air polishing device works. 2. List the three ingredients that combine to form a polishing "slurry". 3. List the indications for the use of an air polishing device. 4. List and explain the application guidelines when using an air polishing device. 5. List the postoperative procedures when using an air polishing device. 6. List the contraindications for use of an air polishing device.	1	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	0	0