

Course Code: DHG 115

Course Title: Seminar I

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

Continuation of topics related to patient treatment and patient management in DHG 116.

General Course Objectives

Continuation of scaling, non-surgical periodontal therapy, and patient education; topical and local anesthetics, adjunct instruments, and dental appliances; recognition and management of dental emergencies.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 098	None

Prerequisites

Credit in DHG 110, DHG 111, DHG 113, DHG 114, and BIO 122

Admission into the Dental Hygiene program

Methods of Evaluation

3 objective and case-based exams, 6 quizzes, and 1 student presentation of dental emergency management.

Instructional Materials and Additional Supplies

Darby's Comprehensive Review of Dental Hygiene, 978-0-323-31671-2

Darby and Walsh Dental Hygiene Theory and Practice, 978-0-323-47719-2

Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation, 978-1-975117-50-4

Clinical Practice of the Dental Hygienist, 978-1-496-39627-3

Case Studies in Dental Hygiene, 978-0132913089

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
Management of Dental Emergencies	1. Discuss prevention of medical emergencies, including how to recognize persons at high risk for a medical emergency. 2. Discuss the seven most common dental office emergencies and the protocol for management of the situations. 3. Describe the protocols for dental emergencies including the positioning of patient, compressions, airway, breathing, and definitive care. 4. Discuss appropriate use of equipment and drugs included in a basic kit for managing medical emergencies in the oral care environment. 5. Develop a plan to prevent and prepare for medical emergencies, including stress management. 6. Describe and recognize symptoms and proper medical emergency management for the following: allergic reaction, angina pectoris, cardiac arrest, diabetic coma, foreign body in eye, grand mal seizure, hyperventilation, insulin reaction, hemorrhage, petit mal seizure, stroke (cerebrovascular accident), sunburn, internal poisoning, syncope, and shock. 7. Create medical emergency protocols for the dental office setting. 8. Incorporate documentation into the emergency plan. 9. Understand how to use emergency medical equipment and follow emergency plans.	5	0	0
Patient Care, Treatment Planning, and Dental Hygiene Diagnosis	1. Explain the purpose of the planning phase and the patient's role in care plan development. 2. Identify the sequence for developing a dental hygiene care plan and how each step relates to the dental hygiene diagnosis. 3. Explain the purpose of the evaluation phase and its significance to the process of care. 4. Define the components of the HIPAA (Health Insurance Portability and Accountability Act). 5. Formulate a patient-centered care plan from a dental hygiene diagnosis. 6. Discuss documentation, including its significance to the process of care and practitioner liability. 7. Develop a dental hygiene care plan based on assessment and individual patient factors. 8. Identify key concepts related to the written dental hygiene care plan. 9. Understand the difference between a dental hygiene diagnosis and a dental diagnosis. 10. Identify interventions that support various dental hygiene diagnoses. 11. Develop a dental hygiene diagnostic statement. 12. Determine outcomes of dental hygiene diagnoses. 13. List the four specific objectives of the total treatment plan. 14. Explain the three phases of a dental hygiene treatment plan (preventive, educational, and therapeutic). 15. Understand the ADHA's Standards of Dental Hygiene Care.	4	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Code of Ethics, Core Values, and Ethical Practice	1. Describe the scope of dental hygiene practice. 2. Identify, describe, and apply components of the dental hygiene code of ethics and dental hygiene process of care. 3. Explain legal, ethical, and personal factors affecting dental hygiene practice. 4. Apply concepts in ethical decision making. 5. Identify and define core values found in professional practice.	1	0	0
Recare Systems and Evaluation	1. Describe the goals and methods of a continuing care program (recare systems). 2. Describe various uses, rationales, and problems for each method of recare systems. 3. Determine appointment intervals based on an individual patient's risk factors, compliance, oral history, and the contributing factors in the recurrence of periodontal disease. 4. Identify and define key terms and concepts related to evaluation of dental hygiene interventions. 5. Discuss standards of care for dental hygiene practice, patient outcomes, and self assessment.	1	0	0
Dentin Hypersensitivity/Desensitization	1. Describe dentinal hypersensitivity and its etiology. 2. Explain the hydrodynamic theory in relation to dentin hypersensitivity. 3. Explain the prevalence of dentinal hypersensitivity and list teeth most likely to experience it. 4. Distinguish between dentinal hypersensitivity and other sources of tooth pain. 5. Identify risk factors contributing to dentinal hypersensitivity. 6. Explain factors that reduce dentinal hypersensitivity. 7. Describe active ingredients available to treat hypersensitivity and mechanisms of action. 8. Identify self-applied and professional interventions for dentinal hypersensitivity. 9. Describe two mechanisms of desensitization and their associated treatment interventions for managing dentin hypersensitivity.	1	0	0
Topical Anesthesia	1. Define topical anesthesia. 2. List the uses of topical anesthesia in dental services and dental hygiene treatment. 3. Describe the action, characteristics, adverse reactions, and precautions of topical anesthesia. 4. List the forms that are available for topical anesthesia. 5. List the agents used in topical anesthesia. 6. Describe the technique for application of topical anesthesia.	1	0	0
Adjunct Scaling Instruments	1. Describe the characteristics, indications, contraindications, and strokes of adjunct scaling instruments. 2. Describe the indication and use of student's periodontal instruments.	1	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Dental Implants	1. Discuss the diagnosis and planning of dental hygiene care, including peri-implantitis and its management. 2. Identify recommended devices and strategies for cleaning dental implants. 3. List professional armamentarium used in conjunction with oral self-care aids for patients with dental implants.	1	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	0	0