

University of Arkansas - Fort Smith
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General Syllabus

DHYG 41402 Advanced Techniques for Specialized Care

Credit Hours: 2 Lecture Hours: 2 Laboratory or other types of Hours: 0

Prerequisite(s): DHYG 31103 Clinic I Theory, DHYG 32102 Periodontology I, DHYG 32133 Dental Hygiene Clinic I, DHYG 43303 Pharmacology, DHYG 34503 General and Oral Pathology

Corequisite(s): DHYG 41202 Clinic II Theory, DHYG 42204 Dental Hygiene Clinic II, DHYG 43101 Periodontology II, DHYG 43702 Dental Nutrition, DHYG 44603 Dental Materials, DHYG 45102 Local Anesthesia and Nitrous Oxide

Effective Catalog: 2026-2027

I. Course Information

A. Catalog Description (Please limit to 60 words.)

Study and application of advanced clinical concepts. Preparation for the dental hygienist to implement dental health care services in a variety of public health settings for children and adults. Legal issues in dealing with patients with special needs, institutional access, and liability are addressed.

B. Additional Information

This is a full online course. All learning materials, discussions, quizzes, exams, notes, chat and/or accessory materials may be on the Blackboard Learning System (BLS). Students **must** view the orientation videos to help navigate the BLS program. It is imperative that students check the web site routinely and announcements of online materials.

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to

1. Summarize medical emergency protocols for patients during delivery of dental hygiene care in alternative settings. (C6)
2. Design self-care and nutritional counseling strategies for reducing dental disease in the child and older adult. (C1, 4)
3. Evaluate modifications utilized when providing dental hygiene treatment for the client with an intellectual or developmental disability. (C1,4)

4. Describe the role of the dental hygienist in detecting and reporting suspected child and elder abuse. (C1,8)
5. Explain the relationship of systemic diseases on oral health. (C1,2,4)
6. Discuss the pharmacological effects of drugs used in the treatment of chronic diseases. (C1,2,3,4)
7. Compare the treatment modalities for caring for the oral health of older adults and individuals with disabilities. (C1,3,4)
8. Design an educational presentation for caretakers of patients with limited functional capacity. (C5)
9. Describe risk management strategies to reduce legal risks and liabilities associated with dental hygiene practice in alternative settings. (C6,7)

II. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills

Students will design an oral health aid for a client with reduced functional capacity.

Communication Skills

Students will use the discussion board to communicate to peers the modifications to care for a patient that is at high risk for a medical emergency in an alternative practice setting.

Ethical Decision Making

Students will discuss ethical situations that may arise in the alternative settings for the child and geriatric patient. Students will discuss strategies to identify patients at risk for abuse and methods of reporting and documenting abuse.

III. Major Course Topics

- A. Dental hygiene care in alternative settings
- B. Medical emergencies in alternative settings
- C. ADL/IADL (Activities of Daily Living/Instrumental Activities of Daily Living)
- D. Caries Risk Assessment (CAMBRA)
- E. Periodontal Risk Assessment
- F. Intellectual and developmental disabilities
- G. Nutrition in dental disease
- H. Child and Elder Abuse
- I. Systemic disease impact on oral health
- J. Chronic disease and the aging population
- K. Social Theories on Aging and physiological changes
- L. Pharmacologic treatment for chronic disease and associated oral manifestations
- M. Treatment planning for patient in alternative settings
- N. Risk management in alternative settings