

University of Arkansas - Fort Smith
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General Syllabus

DHYG 4142 Advanced Dental Hygiene Theory for Special Needs Patients

Credit Hours: 2

Lecture Hours: 2

Laboratory Hours: 0

Prerequisites: DHYG 3113 Clinic I Theory, DHYG 3212 Periodontology I, DHYG 3213 Dental Hygiene Clinic I, DHYG 3443 Pharmacology, and DHYG 3453 General and Oral Pathology, or current dental hygiene licensure

Corequisites: DHYG 4122 Clinic II Theory, DHYG 4224 Dental Hygiene Clinic II, DHYG 4311 Periodontology II, DHYG 4372 Dental Nutrition, DHYG 4463 Dental Materials, and DHYG 4512 Local Anesthesia and Nitrous Oxide

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

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-None

II. Student Learning Outcomes

A. Subject Matter

Upon completion of this course, the student will:

1. Demonstrate protocol for managing persons that are at high risk for medical emergencies during delivery of dental care in conventional, community, and residential healthcare settings.
2. Discuss ASA Physical Status Classification and application to patient assessment to reduce the likelihood of a medical complication.
3. List the basic equipment and drugs for managing medical emergencies in the dental care environment.
4. Discuss the process of caries risk assessment and management that could be utilized for children and older adults.
5. Discuss strategies to decrease the incidence of early childhood caries

6. Discuss modifications to treatment that would be utilized when treating children with intellectual and developmental disabilities such as Down syndrome, Autism Spectrum Disorders and Attention Deficit Disorder.
7. Describe the role of nutrition in the prevention of caries in children
8. List possible signs for child abuse and describe the role of the dental hygienist in reporting suspected abuse
9. Discuss the relationship of periodontal disease to systemic diseases. (
10. Explain general and oral health assessment procedures and findings for the older adults.
11. Explain chronic diseases associated with aging and their implications for dental hygiene care.
12. Discuss the social theories of aging.
13. Distinguish between activities of daily living (ADLs) and instrumental activities of daily living (IADLs) and their role in developing appropriate homecare routines for the older adult patient.
14. Describe the oral physiologic changes of the edentulous and partially edentulous older adult.
15. Discuss the role of drugs used to treat chronic illness and the possible oral manifestations that would need to be addressed.
16. Develop a dental hygiene care plan for a geriatric patient that resides in a long-term care facility.
17. Develop a dental hygiene care plan for a pediatric patient that is being treated in a school based dental clinic.
18. Discuss the role of nutrition for older adults in caries prevention and periodontal health.
19. Describe the role of the dental hygienist in detecting and reporting elder abuse and neglect.

Refer to *Graduate Competencies* in the Policy and Procedures Manual. These objectives increase knowledge in competencies listed above.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will use analytical/critical thinking skills to design an oral health aid for a client with reduced functional capacity.

Communication Skills (written and oral)

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. Components for treatment in conventional, community, and residential healthcare settings
- B. Professional and ethical standards for delivery of care in conventional, community, and residential healthcare settings
- C. Protocol for managing medical emergencies in conventional, community, and residential healthcare settings
- D. Assessment methods for high risk patients in institutional settings
- E. Consultation and collaboration for comprehensive treatment planning in institutional settings
- F. Caries Risk Assessment (CAMBRA)
- G. Early childhood caries detection and prevention
- H. Children with intellectual and developmental disabilities
- I. Role of nutrition in dental disease
- J. Child and elder abuse detection and ethical responsibilities
- K. Periodontal disease link to systemic disease
- L. General and oral health assessment for geriatric patients
- M. Social theories of aging
- N. ADLs and IADLs and the role in determining functionality in geriatric patients
- O. Oral physiologic changes in edentulous/partially edentulous geriatric patients
- P. Pharmacologic treatment for chronic disease and associated oral manifestations
- Q. Treatment planning for patients in community settings such as schools and nursing homes