

**University of Arkansas - Fort Smith**  
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**Fort Smith, AR 72913-3649**  
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## **General Syllabus**

### **DHYG 4224 Dental Hygiene Clinic II**

Credit Hours: 4

Lecture Hours: 0

Laboratory Hours: 16

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

Corequisites: DHYG 4122 Clinic II Theory, DHYG 4142 Advanced Dental Hygiene Theory for Special Needs Patients, 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**

Clinical treatment of patients with emphasis placed on treating periodontally involved patients. Clinical application and evaluation of topics presented in DHYG 4122 and DHYG 4463.

##### **B. Additional Information-None**

This class will be taught in a clinical setting with instruction supervision being provided by registered hygienists and dentists.

#### **II. Student Learning Outcomes**

##### **A. Subject Matter**

Upon completion of this course, the student will:

1. Demonstrate the use of the air polisher.
2. Demonstrate the use of the Piezo ultrasonic scaler.
3. Demonstrate the implant debridement techniques.
4. Correctly follow tooth selection criteria for sealant placement.
5. Demonstrate the accepted sequence of steps for sealant placement.
6. Demonstrate the use of intra-oral media equipment.
7. Administer nitrous oxide using appropriate methods for calculating dosage based on patient assessment.

8. Demonstrate the accepted steps for placing agents for treating hypersensitivity.
9. Demonstrate the ability to collect and analyze data necessary for treatment planning.
10. Demonstrate the ability to deliver competent care based on treatment planning for the child, adolescent, adult, geriatric and medically compromised patient.
11. Demonstrate the ability to treatment plan and deliver competent care to patients that exhibit all classifications of periodontal disease.
12. Demonstrate the ability to establish appropriate evaluation of treatment methods.
13. Demonstrate the ability to provide local anesthesia using injection techniques learned in DHYG 4512 for patient comfort.
14. Demonstrate knowledge for preventing possible medical emergencies that might be encountered with the use of local anesthesia.
15. Use the established clinic protocol to assess patient for necessary radiographs.
16. Demonstrate adequate infection control procedures during all patient treatment.

#### **B. University Learning Outcomes**

This course enhances student abilities in the following areas:

##### **Analytical Skills**

**Critical Thinking Skills:** The student will demonstrate the ability to use critical thinking skills to focus on patient conditions, behaviors, and risk factors when planning and implementing effective dental hygiene care and then establish the appropriate re-care frequency to evaluate outcomes.

**Quantitative Reasoning:** The student will demonstrate the ability to use quantitative reasoning by calculating the appropriate amounts of local anesthetic and nitrous oxide based on individual patient factors.

##### **Communication Skills (written and oral)**

The student will demonstrate communication skills during all aspects of patient assessment, treatment planning, implementation and evaluation.

##### **Ethical Decision Making**

The student will demonstrate and apply professional ethical principles for each patient treated in the dental hygiene clinic.

### **III. Major Course Topics**

- A. Dental Hygiene Process of Care that Includes Assessments, Treatment Planning, Implementation and Evaluation
- B. Utilizing Process of Care, Complete a Minimum of 18 Patients at 80% Level or Better

- C. Radiographs Based on Patient Needs
- D. Sealants
- E. Intraoral Camera
- F. Air Polishing
- G. Nitrous Oxide
- H. Local Anesthesia
- I. Desensitization Procedures
- J. Chemotherapeutic Placement
- K. Fluoride Varnish
- L. Piezo