

**University of Arkansas - Fort Smith**  
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## **General Syllabus**

### **DHYG 4122 Clinic II Theory**

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

Corequisites: DHYG 4224 Dental Hygiene Clinic II, 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**

Advanced clinical theory of patient care and management. Includes advanced periodontal instrumentation techniques, intraoral media equipment, dental implants, air polishing, use of fluorides, and the assessment and treatment of patients with special needs.

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

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

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

Upon completion of this course, the student will:

1. Discuss the Periodontal Screening and Recording (PSR) indice and its use in the detection of periodontal disease.
2. Describe the procedure for determining the clinical attachment level (CAL) based on the relationship of the gingival margin to the cement-enamel junction (CEJ).
3. Explain the role of advanced fulcruming techniques during clinical instrumentation.
4. Describe the use of the air polisher.

5. List the contraindications for use of the air polisher.
6. Describe the role of fluoride in preventive dental therapy and design a caries management plan based on patient needs.
7. Describe characteristics of root morphology that make root instrumentation challenging in the presence of disease.
8. Identify instruments that are appropriate for root instrumentation.
9. Compare and contrast standard curets, extended shank curets, miniature curets, and periodontal files.
10. Discuss instrumentation for a patient with periodontal involvement that requires advanced instrumentation skills.
11. Discuss instrumentation appropriate for implants.
12. Explain the role of intra-oral media in dentistry.
13. Explain the etiology of dentin hypersensitivity.
14. List and describe treatment methods for hypersensitivity.
15. Develop a dental hygiene care plan for patients with cardiovascular disease.
16. Develop a dental hygiene care plan for patients with diabetes.
17. Discuss universal precautions for infection control.
18. Describe key terms associated with HIV infection.
19. Identify oral manifestations associated with HIV infection.
20. Develop a dental hygiene treatment care plan for patients that are HIV-positive.
21. Develop a dental hygiene treatment plan for patients with substance abuse problems and for those in recovery.
22. Discuss the indications for periodontal chemotherapy.
23. Describe the agents in OTC and RX products that aid in biofilm control.
24. Develop a dental hygiene treatment plan for pediatric patients.
25. Discuss early childhood caries and strategies to decrease the incidence.
26. Develop a treatment plan for women in pre-menopausal, menopausal and post-menopausal stages of life.
27. Develop a treatment plan for a pregnant patient.
28. Develop a treatment plan for a geriatric patient.
29. Discuss the relationship between hormonal changes and periodontal diseases as well as periodontal disease status in women.
30. Recognize oral manifestations of conditions and diseases prevalent in women.
31. Describe prevalent chronic diseases associated with aging and discuss implications for dental hygiene care.

## **B. University Learning Outcomes**

This course enhances student abilities in the following areas:

### **Analytical Skills**

**Critical Thinking Skills:** Students will use critical thinking to research, evaluate and compare information from varying sources to write a research paper.

**Communication Skills (written and oral)**

Students will demonstrate written communication skills by working collaboratively to compose a research paper on a selected topic related to dental advances for patient care.

**III. Major Course Topics**

- A. Air Polisher, Piezo Scalers, Sonic Instrumentation
- B. Review of Ultrasonic Instrumentation
- C. Advanced Fulcruming Techniques
- D. Intraoral Camera
- E. Advanced Probing Techniques
- F. Calculating CAL
- G. Periodontal Screening and Recording
- H. Instruments for Advanced Root Debridement
- I. Instrumentation for Dental Implants
- J. Dental Hypersensitivity and Differential Diagnosis
- K. Periodontal Chemotherapeutic Agents
- L. Over the Counter Dental Products
- M. Fluorides for Caries and Periodontal Patients
- N. Oral Manifestations and Treatment Planning for the Diabetic Patient
- O. Oral Manifestations and Treatment Planning for the Patient with Cardiovascular Disease
- P. Oral Manifestations and Treatment Planning for Pediatric Patients
- Q. Oral Manifestations and Treatment Planning for Pregnant Patients
- R. Oral Manifestations and Treatment Planning for Women-Preadolescent through Postmenopausal
- S. Oral Manifestations and Treatment Planning for Geriatric Patients
- T. Oral Manifestations and Treatment Planning for HIV Patients
- U. Oral Manifestations and Treatment Planning for Alcohol/Drug Dependent Patients
- V. Developing a Collaborative Research Presentation