

DHY 215 Advanced Periodontology

Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct, which is published in the college catalog and website.

Course ID and Name: DHY 215 Advanced Periodontology

Department: Dental Hygiene

Course Instructor: Dr. Jill Kern

Prerequisites: DHY 108, DHY 111, DHY 114, DHY 115

Course Description:

An expanded study of the principles and concepts of, and current research on, periodontal disease. In this advanced course, the evaluation and monitoring of the periodontal disease process; the latest concepts in treatment; immunology; the relationship of periodontics to other dental specialties and critique of related literature will be discussed. Various guest lecturers will share their expertise with the students, and practicum exercises will focus on the observation and treatment of periodontal disease, including the observation of periodontal procedures with an external periodontist.

General Education Status:

Credits: 1 **Lecture Hours:** 2 **Lab Hours:** 0 **Practicum Hours:** 1 **Recitation Hours:** 0

Learning Outcomes:

1. Identify advanced periodontal treatment modalities. **C3, C4, HP5, PC2**
2. Identify indications and rationale for surgical vs. non-surgical treatments. **C4, PC1**
3. Compare and contrast methods, materials and rationale for various surgical procedures. **C4, PC1, PC2, PC4**
4. Discuss current theories of the etiology of periodontal disease and evaluate state of the art methods for treating and monitoring periodontal disease. **C9, HP4, HP5, PC4, PC5**

Course Objectives:

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

1. Classify periodontal disease utilizing a complete health history, radiographs and a clinical exam. **C3, C4, C9, HP4, PC1**
2. Evaluate current theories of etiology of periodontal disease. **C4, HP1, HP4, HP5, P2**
3. Discuss the epidemiology of periodontal disease. **HP4, CM1, CM4**
4. Discuss wound healing and its function in the periodontal disease process. **PC2, HP4**
5. Evaluate state-of-the-art methods of monitoring periodontal disease. **C4, HP4, HP5, PC3**

6. Discuss the treatment approach for patients with acute periodontal destruction. **C3, HP2, HP4, HP5, PC2, PC3, PC4**
7. Compare and contrast methods, materials and rationale for various surgical procedures in treating the periodontal patient. **C3, C4, C7, C8, PC2, HP5**
8. Describe the effect of the immune system on the periodontium during the periodontal disease process. **C4, HP4**
9. Describe the relationship of periodontics and orthodontics in patient treatment. **C4, HP4, PC4**
10. Identify clinical procedures utilized in occlusal analysis and therapy. **C3, C4, PC1, PC4**
11. Discuss the effects of restorative and prosthetic dentistry on the periodontium. **C4, HP4, PC1**
12. Discuss the use of latest chemical modalities in preventing and treating periodontal disease. **C3, C4, HP2, HP5, PC4**
13. Identify and evaluate new and alternative periodontal debridement instruments. **C4, C7, HP4, HP5, PC4**
14. Explain the rationale for and delivery of oral irrigation in the clinic setting. **C3, HP1, HP4, HP5, PC4**
15. Develop skills in analyzing and evaluating dental literature. **C3, C5, C7, PGD1**
16. Prepare a research paper on a current topic in periodontics. **C7, PGD1**
17. Collect data from a periodontal patient and present the rationale for the treatment plan, treatment modalities and treatment outcomes for this patient to colleagues. **C1, C2, C3, C4, C7, HP1, HP2, HP3, PC1, PC2, PC3, PC4, PC5**