

# DHY 115 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 115 Periodontology

**Department:** Dental Hygiene

**Course Instructor:** TBD

**Prerequisites:** BIO 211, DHY 102, DHY 105, DHY 107,

**Course Time:**

**Course Description:**

Detailed study of the principles and concepts of periodontal disease, including the tissues surrounding the teeth in both healthy and disease states. Includes the etiology, histopathology, description, and treatment of periodontal diseases and emphasizes the dental hygienist's role in initial therapy and as a disease control therapist in the maintenance of oral health.

**General Education Status:**

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

**Learning Outcomes:**

1. Compare and contrast the anatomy, histology and physiology of the periodontium in health and disease. **C3, C4**
2. Discuss the inflammatory and immune responses in periodontal disease. **C4**
3. Discuss the etiology of periodontal disease including factors that contribute to the initiation, development and pathogenesis. **C4, HP4**
4. Differentiate between the classification and various types of gingival and periodontal diseases. **C3, C4, C9**
5. Identify methods of assessment, treatment plans and treatment modifications for periodontal diseases. **C1, C3, C4, C9, HP2, HP4, HP5, PC 1, PC2, PC3, PC4, PC5**
6. Evaluate scientific reference sources relating to periodontology. **C3, C4, PGD 2**

## Course Objectives:

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

1. Compare and contrast the anatomy, histology and physiology of the periodontium in health and disease. **C3, C4, PC1**
2. Discuss the process of inflammation in periodontal disease. **C4**
3. Describe the pathogenesis of periodontal disease. **C4**
4. Describe the role of host response in the progression of periodontal disease. **C4**
5. List the microbes involved in the various types of periodontal pathology. **C4**
6. Explain the role of dental plaque biofilm in the initiation and progression of periodontal diseases. **C4**
7. Discuss the influence of local and systemic risk factors in the development of periodontal disease. **C3, C4, HP4, PC1**
8. List and describe the AAP classification of periodontal disease. **C4**
9. Differentiate between the various types of gingival diseases. **C3, C4, C9, HP4**
10. Differentiate between the various types of periodontitis and periodontal conditions. **C3, C4, C9, HP4**
11. Discuss periodontal disease in children. **C3, C4, C9, HP4**
12. Identify the methods used to detect periodontal disease. **C4, C9, PC1, PC2**
13. Identify the phases of treatment for periodontal disease. **C4, PC1, PC2, PC3, PC4, PC5**
14. Explain the function of mechanical modalities in treating and preventing periodontal disease. **C3, C4, PC1, PC2, PC3, PC4, PC5**
15. Compare and contrast methods, materials and rationale for debridement, scaling, and root planing in treating the periodontal patient. **C3, C4, HP2, HP5, PC1, PC2, PC3, PC4, PC5**
16. Discuss the role of the dental hygienist in non-surgical periodontal therapy and in the maintenance of the oral health of all patients. **C1, C3, C4, HP2, HP5, PC1, PC2, PC3, PC4, PC5**
17. Discuss the role of the patient in non-surgical periodontal therapy. **C1, C3, C4, HP2, HP5, PC1, PC2, PC3, PC4, PC5**
18. Identify appropriate information resources in periodontology. **C3, C4, PGD2**
19. Perform a literature search on a topic in periodontology. **C3, C4, PGD 2**
20. Perform a case study analysis of a periodontal patient. **C3, C4, C9**