

**Course discipline/number/title: DH 1524: Periodontology****A. CATALOG DESCRIPTION**

1. **Credits:** 2
2. **Hours/Week:** 2
3. **Prerequisites (Course discipline/number):** DH 1510, DH 1512
4. **Other requirements:** None
5. **MnTC Goals (if any):** NA

**B. COURSE DESCRIPTION:** This course is an examination of the pathogenesis, diagnosis, and treatment of periodontal disease. Emphasis will include the progression of periodontal disease, diagnostic methods, treatment modalities, and the role of the dental hygienist in the prevention and treatment of periodontal disease.**C. DATE LAST REVISED (Month, year):** December, 2023**D. OUTLINE OF MAJOR CONTENT AREAS:**

1. Periodontal health
2. Etiology and pathogenesis of periodontal disease
3. Periodontal diseases
4. Occlusion and periodontal disease
5. Periodontal assessment and treatment planning
6. Nonsurgical periodontal techniques
7. Surgical therapies and techniques
8. Evaluation and maintenance

**E. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Identify causative factors of periodontal disease.
2. Integrate the microbiologic, genetic, local, and systemic factors responsible for periodontal disease.
3. Apply knowledge to early detection and treatment of periodontal disease.
4. Differentiate among gingival and periodontal diseases.
5. Recognize systemic factors influencing periodontal disease.
6. Identify periodontal emergencies.
7. Assume the role of the dental hygienists in nonsurgical periodontal therapy.
8. Discuss the principles of periodontal surgery.
9. Discuss the techniques utilized in periodontal surgery.
10. Assume the role of the dental hygienist in periodontal maintenance therapy.
11. Discuss the etiology of periodontal disease.
12. Discuss the role occlusion plays in etiology of periodontal disease.
13. Apply the AAP Classification of Periodontal and Peri-Implant Diseases and Conditions to disease profiles.
14. Differentiate bacteria responsible for various periodontal diseases.
15. Discuss prevention and treatment therapies for periodontal diseases.

**F. LEARNING OUTCOMES (MNTC):** NA**G. METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:

1. Written quizzes
2. Comprehensive final exam
3. Case study/treatment plan/prognosis assignments and activities

**H. RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcome(s):  
**Critical Thinking.** Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.**I. SPECIAL INFORMATION (if any):** None