

DHYG 3770 - Periodontology

Fall 2026 Syllabus, Section 01, CRN 41176,

Credit hours: 3

Instructor

Rae Huly

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Public Instructor Information

Instructor Title: Doctor Rae Huly

Instructor Professional Qualifications: 1997; DMD; Dentistry; 2000; Post Doctoral Certificate; Periodontology; Tufts University Dental School; 1989; BS/BA; Biochemistry/Dance; Lake Erie College

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Instructor Title: Professor Jennifer Pieren

Instructor Professional Qualifications: 2011; MS, Dental Hygiene Education; University of Missouri- Kansas City School of Dentistry; 2004; BSAS; Allied Health; 2000 AAS; Dental Hygiene; Youngstown State University

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Course Description

3770. Periodontology. The study of prevention, diagnosis, and treatment of diseases affecting the gingival and supporting structures of the teeth, as well as implant placement and maintenance. Emphasis is on acquisition of knowledge of the histopathology of disease and the biologic basis for periodontal therapy. Prereq.: DHYG 2640. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Foundations of Periodontics for the Dental Hygienist, 6th ed.	Gehrig and Shin	9781284261059
Required	Clinical Practice of the Dental Hygienist, 14th ed.	Boyd and Mallonee	9781284255997
Optional	Darby & Walsh Dental Hygiene Theory and Practice, 6th ed.	Pieren and Gadbury-Amyot	9780323877824

Articles, guidelines, practice standards, websites, and content posted on Blackboard

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Wed	8/26	Syllabus NG-1, 2, 3	Syllabus Review The Periodontium in Health Microscopic Anatomy, Overview of Diseases	
Wed	9/2	NG- 4, 5, 6	Classification, Gingival Features, Health and Disease	



Wed	9/9	NG- 7, 8	Periodontitis, Mucogingival Deformities, Implants	Quiz 1 CE 681 due
Wed	9/16	NG- 9, 10, 11	Acute Periodontal Diseases, Risk Factors, Biofilms	Test 1
Wed	9/23	NG- 17, 18, 19, 20, 23	Nutrition, Tobacco, Radiographic Analysis, Assessment, Motivation	Student Lecture 1
Wed	9/30	NG-14, 15	Systemic Factors	
Wed	10/7	NG- 12, 13	Immunity, Inflammation, Host Response	Quiz 2
Wed	10/14	NG – 16, 21, 22	Local Factors, Clinical and Shared Decision Making	Host Immune Response Project
Wed	10/21	NG- 25, 28	Non-surgical Therapy, Chemical Agents Last day to withdraw, with a grade of “W” is Sunday, October 25, 2026	Test 2
Wed	10/28	NG – 29, 30	Host Modulation, Surgical Concepts	CE 1
Wed	11/4	NG-24, 26, 27, 32, 36	Patient’s Role, Irrigation, Motivation, Anxiety, Documentation, Best Practices	Student Lecture 2
Wed	11/11	NG- 31, 33, 35	Surgery, Maintenance, Pediatrics	
Wed	11/18	NG- 34, 36	Future Directions, Oral Malodor, Xerostomia, Hyposalivation	Test 3
Wed	11/25	No Class		
Wed	12/2	NG- 34, 38 W - 19, 20, 41, 42, 48	Case Studies	Quiz 3
Wed	12/9		Final Exam	Final Exam

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