

Montgomery County Community College  
DHG 161  
Periodontics I  
2-2-0

**COURSE DESCRIPTION:**

This course covers the study of the microscopic and clinical aspects of the normal and diseased periodontal tissues. Utilizing the knowledge of normal tissues, the student will learn to recognize the changes that occur in periodontal disease at the clinical and microscopic level. Students will apply this background knowledge to classify periodontal disease using the American Academy of Periodontology Classification System.

**REQUISITES:***Previous Course Requirements*

- DHG 100 Theory and Practice of Dental Hygiene I
- DHG 111 Dental Anatomy
- DHG 113 Dental Histology and Embryology
- DHG 155 Dental Radiology

*Previous or Concurrent Course Requirements*

- DHG 157 Oral Pathology
- DHG 158 Theory and Practice of Dental Hygiene II

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Differentiate between normal and diseased periodontal tissues.	Lectures Class Discussion Homework Assignments	Discussion Board Exams/Quizzes
2. Utilize the AAP classification system to diagnose periodontal status.	Lectures Class Discussion Homework Assignments	Discussion Board Exams/Quizzes
3. Identify factors affecting the progress of periodontal disease.	Lectures Class Discussion Homework Assignments	Discussion Board Exams/Quizzes

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
4. Recognize systemic conditions that affect periodontal status.	Lectures Class Discussion Homework Assignments	Discussion Questions Discussion Board Questions Exams/Quizzes Evaluation of Host Response Presentation and Paper

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

#### SEQUENCE OF TOPICS:

1. Gross and Surface Anatomy of the Periodontium
2. Microscopic Anatomy
3. Overview of Diseases Progression
4. Clinical Features
5. Decision Making
6. Radiographic Analysis
7. Oral Biofilms
8. Immunity and Inflammation
9. Disease Classification
10. Gingival Diseases
11. Periodontitis
12. Other Periodontal Conditions
13. Etiologic Factors
14. Local Factors
15. Nutrition, Tobacco and Smoking
16. Systemic Factors
17. Impact of Systemic Health
18. Nonsurgical Therapy
19. Host Response
20. Decision-Making

#### LEARNING MATERIALS:

Readings as assigned from:

Texts:

- Nield-Gehrig, Jill S., Willmann, Donald E. *Foundations of Periodontics for the Dental Hygienist* (5<sup>th</sup> ed.). Walters Kluwer, 2019.
- Boyd, Linda, et al. *Wilkins Clinical Practice of the Dental Hygienist* (14<sup>th</sup> ed.). Jones and Bartlett Learning, 2023.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

**COURSE APPROVAL:**

Prepared by: Phyllis Dickert, RDH, M.Ed.	Date: 4/13/1998
Revised by: Phyllis Dickert, RDH, M.Ed.	Date: 10/03/2004
Revised by: Phyllis Dickert, RDH, M.Ed.	Date: 1/2009
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: 9/11/2009

Revised by: Jenny Sheaffer	Date: 10/16/2012
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 11/1/2012

Revised by: Deborah Gnutti, RDH, MA	Date: 12/18/2017
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 1/8/2018

Revised by: Kimberly Beadencup	Date: 3/2023
VPAA or designee Compliance Verification:	Date: 5/2/2023



Revised by: Deborah Gnutti	Date: 2/26/2025
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VPAA or designee Compliance Verification:	Date: 3/20/2025
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*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*