

Montgomery County Community
College DHG 220
Theory and Practice of Dental
Hygiene III 6-2-20

COURSE DESCRIPTION:

This course introduces the student to the general pathology and physiology of relevant diseases and conditions that may present in the clinical setting. Discussion includes the methods of treatment and the oral health impact of the disease or treatment. The recognition and management of medical emergencies will also be examined. Special emphasis will be given to diseases and conditions of importance in clinical dentistry. Further, this course is designed to broaden the students' abilities to integrate basic, dental and psychosocial sciences in evaluating, planning, and implementing a comprehensive dental hygiene treatment plan for varied patient populations. This course is subject to a course fee.

REQUISITES:

Previous Course Requirements
DHG 224 Materials in Dentistry
DHG 226 Dental Pain Control
DHG 225 Oral Pharmacology

Previous or Concurrent Course Requirements
DHG 261 Periodontics II

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Explain the diseases that impact oral health care delivery	Lectures Readings Problem-Based Learning Written Assignments Clinical Experiences	Exams/Quizzes Clinical Competencies Clinical Skill Evaluation Written Assignments
2. Demonstrate awareness of cultural diversity	Lectures Readings Class Discussions Written Assignments Clinical Experiences	Exams/Quizzes Clinical Competencies Clinical Skill Evaluation Written Assignments
3. Demonstrate competency in treating medically compromised patients	Lectures Readings Class Discussions Written Assignments Clinical Experiences	Exams/Quizzes Clinical Competencies Clinical Skill Evaluation Written Assignments
4. Discuss medical	Lectures	Exams/Quizzes

emergencies in the dental setting.	Readings Class Discussions Written Assignments Clinical Experiences	Clinical Competencies Clinical Skill Evaluation Written Assignments
5. Assess the quality of information from scientific literature	Lectures Readings Class Discussions Written Assignments	Written Assignment/Portfolio Group Projects
6. Participate in professional development opportunities	Written Assignments Event Attendance Group Work	Written Assignment/Portfolio Group Projects Oral Presentation

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 Director of Educational Effectiveness. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS:

1. Course Introduction and Clinical Concepts
2. Assessment and Management of Medical Emergencies
3. Neurologic, Behavioral, and Psychiatric Disorders and Emergencies
4. Endocrine and Metabolic Disorders, Reproduction, and Emergencies
5. Immunologic Diseases
6. Table Clinic Rehearsals
7. Cardiovascular Diseases
8. Cardiovascular Diseases and Emergencies
9. Gastrointestinal Disorders
10. Respiratory Diseases and Emergencies
11. Hematologic and Oncology Disorders
12. Cultural Diversity and Dental Hygiene Care

LEARNING MATERIALS:

Required Texts:

- Falace, Donald A., Little James W., Miller Craig S., Rhodus, Nelson L. (2018). *Dental Management of the Medically Compromised Patient*. 8th edition, Philadelphia: Mosby.
- Wilkins, Esther M. (2020). *Clinical Practice of the Dental Hygienist*, 13th Edition, Philadelphia: Lippincott Williams and Wilkins.
- Blue, Christine M. (2020). *Darby's Comprehensive Review of Dental Hygiene, 9th Edition*. St. Louis: The C.V. Mosby Co.
- Darby, Michele and Walsh, Margaret. (2020). *Dental Hygiene Theory and Practice*. 5th Edition. Philadelphia: W.B. Saunders Co.
- Ianucci, Joen and Howerton, Laura. (2021). *Dental Radiography: Principles and Techniques*, 6th Edition. Philadelphia: W.B. Saunders Co.
- Nield-Gehring, Jill S. (2020). *Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation*, 9th Edition. North Carolina: Lippincott, Williams and Wilkins

Required Materials:

- DHG 1st year instrument kit (previously purchased through specialized course materials form)
- DHG 1st year supply kit (previously purchased through specialized course materials form)
- DHG Loupes (previously purchased through specialized course materials form)
- DHG 2nd year instrument kit (previously purchased through specialized course materials form)
- Clinic Uniform (previously purchased directly from private vendor)

Other:

- American Dental Association, *Chairside Instructor*.
- Clinic Handbook, Montgomery County Community College

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:

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| Prepared by: Brenda Sue Martin, RDH, MS | Date: 8/2009 |
| VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr. | Date: 4/27/2010 |
| 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: L. Teal Mercer | Date: 11/13/2017 |
| VPAA/Provost or designee Compliance Verification: | |

Victoria L. Bastecki-Perez, Ed.D.

Date: 1/8/2018

Revised by: Kimberly A. Erdman
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

Date: 9/12/2018

Date: 3/19/2019

Revised by: Kimberly A. Erdman
VPAA/Provost or designee Compliance Verification:
Gloria Oikelome, Ed.D.

Date: 3/1/2021

Date: 3/10/2021

Revised by: Kimberly A. Erdman
VPAA or designee Compliance Verification:

Date: 3/2023

Date: 4/25/2023



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