

Montgomery County Community College
DHG 100
Theory and Practice of Dental Hygiene I
4-3-6

COURSE DESCRIPTION:

A course designed to introduce the dental hygiene student to the profession of dental hygiene, theories and rationales for basic dental hygiene care procedures and prevention of disease, ethical principles, infection control, risk factors for oral disease and treatment planning. Practical application of fundamental concepts and skills are applied in the clinical setting on student partners with emphasis on workplace safety, hazards management, ergonomics, assessment and instrumentation. This course is subject to a course fee. Refer to <http://mc3.edu/adm-fin-aid/paying/tuition/course-fees> for current rates.

REQUISITES:*Previous Course Requirements*

- MAT 011 Beginning Algebra or MAT 011B Beginning Algebra with Review of Arithmetic with a minimum grade of "C"

Concurrent or Previous Course Requirements

- DHG 111 Dental Anatomy
- DHG 155 Dental Radiology

COURSE COMMENT

Registration requires completion of Special Admission Guidelines and admission to the Dental Hygiene Program

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Discuss the historical development of dental hygiene as a profession.	Lecture Group Discussion Searches	Exams Discussion Board Postings PowerPoint Presentation
2. Demonstrate a working knowledge of basic computer terminology and function.	Lecture Searches Case Application Lab Instruction and Practice Portfolio	Case-Based Exams Discussion Board Postings Web Research and Paper Medication and Health History Assessment Report Oral Lesion Presentation and Discussion Biofilm Control/Aids/Self Evaluation Paper

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Discuss OSHA standards and safe work practices relative to dental hygiene practice.	Seminar Group Discussion Case Application Learning Modules Lab Instruction and Practice Portfolio	Case-Based Exams Discussion Board Postings Clinical Process Evaluations Ethical Decision Making Paper
4. Demonstrate basic ergonomic principles when performing dental hygiene procedures.	Seminar Group Discussion Case Application Learning Modules Lab Instruction and Practice Portfolio	Case-Based Exams Clinical Process Evaluations Discussion Board Postings Ethical Decision Making Paper Journal
5. Use proper methods and sequence to systematically assess patient's medical and oral health status.	Seminar Group Discussion Case Application Learning Modules Lab Instruction and Practice Portfolio	Case-Based Exams Clinical Process Evaluations Discussion Board Postings Medication and Health History Assessment Report Biofilm Control Aids/ Self-Evaluation Paper Restorative Charting Exercises Ethical Decision Making Paper Prevention Technique and Infomercial Presentation and Paper Journal
6. Formulate a dental hygiene treatment plan based on assessment findings and dental hygiene diagnosis.	Lecture Group Discussion Case Application Lab Instruction and Practice Portfolio	Case-Based Exams Clinical Process Evaluations Medication and Health History Assessment Report Biofilm Control Aids/ Self-Evaluation Paper Restorative Charting Exercises Prevention Technique and Infomercial Presentation and Paper Journal

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
7. Demonstrate use of instruments for dental hygiene assessment and debridement procedures.	Lecture Group Discussion Case Application Learning Modules Lab Instruction and Practice Portfolio	Case-Based Exams Clinical Process Evaluations Journal
8. Describe basic ethical principles and philosophies applicable to the dental hygiene profession.	Lecture Group Discussion Case Application Lab Instruction and Practice Portfolio	Case-Based Exams Clinical Process Evaluations Discussion Board Postings Ethical Decision Making Paper Prevention
9. Evaluate resources relevant to the dental hygiene profession and complete presentations acknowledging sources and using appropriate reference format.	Seminar by MCCC Librarian for School resources Group Discussion Searches Portfolio	Exams PowerPoint Presentation Discussion Board Postings Medication and Health History Assessment Report Ethical Decision Making 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. Orientation to the Dental Hygiene Profession/History of the Profession/Health and Health Promotion
2. Overview of Computer Terminology and Function
3. Infection Control/Universal Precautions/Workplace Safety/Ergonomics
4. Introduction to Ethical Decision Making
5. Medical and Dental Histories/Pharmacologic History/Vital Signs
6. Extraoral and Intraoral Exam Assessment/Occlusion
7. Anatomy of the Periodontium/Clinical Characteristics of the Gingiva/Assessment of Gingival and Periodontal Disease and Risk Factors
8. Assessment of the Dentition/Dental Caries/Restorative Charting
9. Introduction to Dental Hygiene Diagnosis and Treatment Planning/Chart Documentation
10. Motivational Interviewing and Preventive Treatment Plan
11. Mechanical Oral Biofilm Control: Tooth brushing, Auxiliary Aids, Dentifrices, Commercial Mouth rinses
12. Instrumentation and Debridement
13. Intro to Caries Management: Risk Assessment/Fluoride and Other Therapies

LEARNING MATERIALS:

Texts:

Darby, Michele & Walsh, Margaret. (2015). *Dental Hygiene Practice: Theory and Practice* (4th ed.). St. Louis: Saunders-Elsevier.

Hu-Friedy Sharpening Manual – It's About Time Sharpening

Gehrig, Jill. (2016). *Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation* (8th ed.). Philadelphia: Lippincott Williams and Wilkins.

Gehrig, Jill. (2017). *Patient Assessment Tutorials, A Step by Step Guide for the Dental Hygienist*. (3rd ed.). Philadelphia: Lippincott Williams and Wilkins.

Wilkins, Esther M. (2016). *Clinical Practice of the Dental Hygienist* (12th ed.). Philadelphia: Lippincott Williams and Wilkins.

PREP U SOFTWARE: *Clinical Practice of Dental Hygienist* (12th) Lippincott Williams and Wilkins (required)

Wilkins, Esther M., Wyche, Charlotte. (2016). *Student Study Guide to Accompany Clinical Practice of the Dental Hygienist* (12th ed.). Philadelphia: Lippincott Williams and Wilkins (required).

Other:

Lexi Comp Online: Clinical Drug Information, Wolters Kluwer: Computer access chairside in clinical setting; Black board access via Course and Mobile download app for student home use

American Dental Association, Chairside Instructor.

Clinic Handbook, Montgomery County Community College, 2017-2018 Proctor and Gamble Continuing Education Units on www.dentalcare.com

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: Joan McClintock, RDH, M.Ed. Date: 4/16/1998

Revised by: Joan McClintock, RDH, M.Ed. Date: 9/13/2004

Revised by: Janice Farris, RDH, BS Date: 1/2009

VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr. Date: 9/11/2009

Revised by: Rosemary Herman, RDH, M.Ed. Date: 1/2010

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: Jenny Sheaffer
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

Date: 2/28/2014

Date: 3/3/2014

Revised by: Rosemary Herman, RDH, M.Ed.
VPAA/Provost or designee Compliance Verification:

Date: 12/14/2017

Date: 1/8/2018



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.