

Montgomery County Community College  
DHG 229  
Expanded Function Dental Assisting I  
4-3-3

**COURSE DESCRIPTION:**

This course is designed to expand student's skills in the area of restorative dentistry through both lecture and on-campus laboratory practice. These skills include the placement of temporary and permanent restorations utilizing a variety of dental materials; rubber dam applications, placement of sealants, finishing and polishing techniques; coronal polishing and fluoride applications; taking impressions for the construction of mouth guards, fluoride trays, bleaching trays and crown and bridge temporary restorations.

**REQUISITES:**

*Previous Course Requirements*  
None

*Concurrent Course Requirements*  
None

**COURSE COMMENT**

Admission to the Expanded Function Dental Assistant Specialty Certificate Program required for registration

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Perform expanded function dental assisting skills in the laboratory setting.	Lecture Demonstration Lab Instruction and Practice Assigned Readings	Weekly Quizzes Lab Process Evaluations Mid-Term Final Exam
2. Demonstrate knowledge of legal and ethical principles related to expanded function dental assisting practice.	Lecture Assigned Readings Online Activities	Weekly Quizzes Mid-Term Final Exam
3. Accurately record procedures performed in the patient record.	Lecture Assigned Readings	Weekly Quizzes Mid-Term Final Exam
4. Self-evaluate own professional skills in a laboratory setting.	Lab Instruction and Practice	Lab Process Evaluations

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. Course Introduction
2. Expanded Function Legal and Ethical Principles
3. Positioning
4. Dental Anatomy, Restorative Terminology, Cavity classification and preparation designs, Caries Detection
5. Rubber Dams, Matrices and Wedges, Principles of Instrumentation
6. Bases and Liners, Temporary Cements and Bases, Placement of bases and liners
7. Class I, II, III, IV, V restorations, Occlusion
8. Amalgam restorations, Finishing and Polishing of Amalgams
9. Composite restorations, Finishing and Polishing of Composites
10. Dental Sealants
11. Impression materials and techniques
12. Crown and bridge provisional fabrication
13. Coronal polishing and abrasives
14. Fluoride treatments, including fluoride varnish
15. Legal requirements for chart entries

#### LEARNING MATERIALS:

e-Human 3D Tooth Atlas Software, Hygiene Edition, Version 7.0 edition.

Gladwin, Marcia and Bagby, Michael. *Clinical Aspects of Dental Materials Theory, Practice, and Cases*. 4th Edition. Baltimore : Lippincott, Williams & Wilkins, 2013.

Hottel, T.L and Ruggiero, L.S. *Dentistry for the Restorative Expanded Function Dental Auxillary* (4<sup>th</sup> edition), 2012.

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: Lisandra Maisonet, RDH, BS

Date: 12/2014

VPAA/Provost or designee Compliance Verification:

Victoria L. Bastecki-Perez, Ed.D.

Date: 1/21/2015

*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.*