

Montgomery County Community College
 BIT 124
 Molecular Techniques
 2-1-2

COURSE DESCRIPTION:

This course is designed to introduce students to the areas of medical biotechnology and molecular diagnostics. Students will learn the theory behind these areas and will practice molecular techniques used in medical laboratories.

REQUISITES:*Previous Course Requirements*

- * BIO 141 Clinical Microbiology I with a minimum grade of "C"

Concurrent or Previous Course Requirements

- * MLT 235 Clinical Practicum in MLT I

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
Upon successful completion of this course, the student will be able to: 1. Describe the function and basic properties of DNA, RNA and Proteins.	Lecture Small Group Discussions Laboratory Experiments Videos	Section Examination Final Comprehensive Examination Lab Exerc0(a)TlenBe66.864

Journal of Clinical Microbiology Reviews, January 2015, Volume 28 Number 1
cmr.asm.org

Medical Microbiology Laboratory Case Studies – Laboratory Curriculum
American Microbiology Society. PDF Mostly biochemical tests but will be used as a
template for differential molecular diagnostic tests

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: Debra Lynn Eckman and Margaret Bryans
VPAA/Provost or designee Compliance Verification:

Date: 9/6/2017

Date: 10/25/2017

A handwritten signature in black ink, appearing to read "D. Eckman", is written over a blue horizontal line.