

Common Course Outline
MLTC 191
Special Topics in Medical Laboratory Technology
One Semester Hour

The Community College of Baltimore County

Description

MLTC 191 – One Credit - Special Topics in Medical Laboratory Technology

introduces new practice developments, emerging technologies, and “hot topics” in the current literature within the scope of practice of the medical laboratory technician. The course also includes a comprehensive review of the major discipline areas within the medical laboratory technician curriculum to prepare the student for the national certification examination. The course provides career preparation with regard to resume writing and interviewing skills. Post-rotation tests will be administered covering each area of the clinical internship (MLTC 253, 254, 255, and 256) prior to a final comprehensive exam. Final grades will be assigned on a pass/fail basis. Three hours a week. Prerequisites: Must be taken in the final semester of the clinical year of the program. MLTC 253, 254, 255, and 256 are taken concurrently with this course.

Overall Course Objectives

Upon completion of this course the student will be able to:

1. identify new technologies and practices in the field of laboratory medicine;
2. demonstrate entry-level competency in the major areas of the clinical laboratory;
3. integrate laboratory data through the use of case studies;
4. correlate laboratory test results with normal and disease processes;
5. develop a course of corrective action given a case study scenario;
6. prepare to take the ASCP-BOR National Certification Examination for Medical Laboratory Technicians;
7. practice test taking techniques as they apply to the national certification examination;
8. recognize the different levels of exam item construction by performing an item analysis;
9. evaluate time management techniques for taking time sensitive examinations; and
10. design a resume and demonstrate effective interviewing skills.

Major Topics

- I. Emerging Technologies and New Practice Developments
- II. Resume Writing and Interviewing Techniques
- III. Test-Taking Skills
- IV. Comprehensive Review of Normal and Disease Processes and Associated Laboratory Data Interpretation, Including Quality Control Procedures
 - A. Hematology and Coagulation
 - B. Immunology and Blood Bank
 - C. Medical Microbiology

D. Clinical Chemistry and Urinalysis/Body Fluids

Course Requirements

Students must take this course in the final semester of the program, concurrent with MLTC 253, 254, 255, and 256.

Grading/exams: Grading procedures will be determined by the individual faculty member, but, at minimum, will include the following:

Post-internship exams
Weekly Case studies
Written Resume
Comprehensive exam

Other Course Information

This course is a Medical Laboratory Technology program core course.