

HSTO 251
Histology Practicum III
3 Credits

Community College of Baltimore County
Common Course Outline

Description

HSTO 251 – Histology Practicum III: provides the student with clinical experiences in the histopathology laboratory applying and integrating theory, skills, and concepts regarding special stains. This practicum concentrates on immunohistochemistry (IHC) methods as students participate in the supportive functions of instrument operation, quality control, troubleshooting, and problem solving.

Pre-requisites: HSTO 250

Co-requisites: HSTO 260

Overall Course Objectives

Upon completion of this course, students will be able to:

1. demonstrate the theory and application of special staining techniques;
2. perform special stains both manually and on an automated stainer;
3. demonstrate stains independently with supervision;
4. operate laboratory equipment related to staining;
5. perform quality control and follow all student lab procedures and practices;
6. evaluate specimen quality with a certified tech;
7. review troubleshooting problems;
8. follow safety procedures for storage and disposal of chemicals; and
9. demonstrate laboratory safety for universal precautions.

Major Topics

- I. Antibodies
- II. IHC staining methods
- III. Fixation
- IV. Processing
- V. Antigen retrieval
- VI. Blocking
- VII. Antibody labeling
- VIII. Quality control
- IX. Troubleshooting

Course Requirements

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

- A technical evaluation/checklist
- A laboratory practical

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

- A professional evaluation
- A written objective assignment
- A post-internship exam

Other Course Information

This course is part of a program sequence, which requires admission to the program.

This course is offered in the summer semester only

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