

HSTO 260
Trends in Histotechnology
2 Credits

Community College of Baltimore County
Common Course Outline

Description

HSTO 260 – Trends in Histotechnology: introduces new practice developments, emerging technologies, and “hot topics” in the current literature within the scope of practice of the histology technician. The course also includes a comprehensive review of the major discipline areas within the histology technician curriculum to prepare the student for the national certification examination. The course provides career preparation with regard to resume writing and interviewing skills.

Pre-requisites: HSTO 250

Co-requisites: HSTO 251

Overall Course Objectives

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

1. identify new technologies and practices in the field of histotechnology;
2. demonstrate entry-level competency in the major areas of the histology laboratory;
3. perform routine procedures while practicing technical skills, improve proficiency, and build confidence;
4. recognize factors that affect procedures and results that could impact the patient diagnosis;
5. develop a course of corrective action to troubleshoot embedding, microtomy, and staining issues;
6. prepare to take the American Society for Clinical Pathology-Board of Certification (ASCP-BOC) National Certification for Histology 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
- II. Resume Writing and Interviewing Techniques
- III. Test-Taking Skills
- IV. Comprehensive Review of Special Stains
 - a. Carbohydrates
 - b. Amyloid
 - c. Microorganisms
 - d. Minerals
 - e. Nerve tissue
 - f. Connective tissue

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

- g. Muscle
- h. Lipids
- i. Immunohistochemistry (IHC)

Course Requirements

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

- Weekly special stain studies
- Weekly quizzes
- Written portfolio
- Professional activities (e.g. Professional Development, Community Service, and Scholarly Activities)
- A comprehensive exam

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Other Course Information

This course is a Histology program core course.

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

This course is offered in the Summer only

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