

MICROSCOPIC TISSUE ANAT (HLAB)

HLAB 1401 Introduction to Histotechnology 4 Credits (3 Lec, 2 Lab)

This course provides an introduction to the healthcare environment and the histology laboratory. This includes laboratory safety and infection control; healthcare professionals; medical terminology; basic anatomy and physiology; laboratory mathematics; communication; and ethics, legal, and professional issues.

Prerequisite(s): Acceptance into the Microscopic Tissue Anatomy Program

Course Type: Technical

HLAB 1402 Histotechnology I 4 Credits (3 Lec, 3 Lab)

This course is an Introduction to the basic theories and practices of histotechnology. This includes laboratory safety, fixation, tissue processing, embedding, microtomy and cryotomy, and routine staining.

Prerequisite HLAB1401

Course Type: Technical

HLAB 1405 Functional Histology I 4 Credits (3 Lec, 3 Lab)

This course provides recognition, composition, and function of cells, cell life cycles, blood, and basic tissue types.

Prerequisite(s): HLAB 1402

Course Type: Technical

HLAB 1443 Histotechnology II 4 Credits (3 Lec, 3 Lab)

This course provides a continuation of Histotechnology I. It introduces both theory and practice of common histochemical staining techniques. Topics include laboratory safety; laboratory mathematics and reagent preparation; basic tissue/dye bonding; differentiation and quality control; and nuclear, connective tissue, and carbohydrate staining techniques.

Prerequisite(s): HLAB1460

Course Type: Technical

HLAB 1446 Functional Histology II 4 Credits (3 Lec, 3 Lab)

This course is a continuation of Functional Histology I with emphasis on the recognition, composition, and function of organ systems. It includes skeletal tissues, central nervous system, circulatory system, endocrine glands, and reproductive system.

Course Type: Technical

HLAB 1460 Clinical I - Histologic Technology/Histotechnologist 4 Credits (0 Lec, 16 Lab)

This course provides the student with a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Prerequisite(s): HLAB 1405

Course Type: Technical

HLAB 1461 Clinical II - Histologic Technology/Histotechnologist 4 Credits (0 Lec, 20 Lab)

This course provides a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Prerequisite(s): HLAB 1446

Course Type: Technical

HLAB 1462 Clinical III - Histologic Technology/Histotechnologist 4 Credits (0 Lec, 16 Lab)

The course provides a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Prerequisite(s): HLAB 1461

Course Type: Technical

HLAB 2341 Registry Review 3 Credits (2 Lec, 4 Lab)

This course provides a review of the major theoretical/practical applications in histotechnology. It includes fixation, processing, embedding, microtomy, frozen cryotomy, routine and special stains, tissue identification, immunohistochemistry, enzyme histochemistry, and electron microscopy. Emphasis is on employment skills, review of ethical and legal behavior, and professional development.

Prerequisite(s): HLAB 1462

Course Type: Technical