

**Pathologists' Assistant Department
Course Descriptions**

First Year-Summer Quarter

MCBA501 CLINICAL ANATOMY 10q.h. Lecture/Laboratory

Structure of the entire human body is studied through formal lectures and cadaver based laboratories. Emphasis is placed on the clinical applications of anatomy.

HAPA520 HUMAN EMBRYOLOGY 3q.h. Lecture

This course instructs the student in the basic principles of embryology as a basis for understanding normal human development and clinical pathologies that are developmental in origin.

HAPA550 PROFESSIONAL ISSUES AND ETHICS 4q.h. Lecture/Independent Study

This course is designed as an introduction to the profession. Students will become familiar with the history and traditions of the Pathologists' Assistant Profession, and will learn about the work of Pathologists' Assistants as they function in various health care settings. This is complemented by a focused review of contemporary medical ethics.

HAPA535 Medical Terminology

An advanced medical terminology course for graduate pathologists' assistant students

First Year-Fall Quarter

MPAT600A GENERAL AND SYSTEMIC PATHOLOGY 5q.h.

Lecture/Laboratory

The biologic bases and mechanisms of disease, including inflammation and repair, and cell injury by infectious, immunologic, vascular, genetic, physical, chemical, and neoplastic mechanisms followed by a beginning survey of disease with emphasis on clinical pathologic correlations. This is the medical school pathology course sequence and is three quarters in length.

PBBS503A STRUCTURE AND FUNCTION 4q.h. Lecture/Laboratory

This is a two quarter course sequence, which will present the principles of medical histology and physiology through formal lecture and laboratory experiences. Normal organ systems will be examined at the ultrastructural, microscopic and whole-organ levels.

HAPA565 MEDICAL MICROBIOLOGY 4q.h. Lecture/Laboratory

This course instructs the student in the basic principles of medical microbiology as a basis for understanding morphology, immunobiology and pathogenesis of microorganisms corresponding to infectious diseases in humans.

HAPA560 CLINICAL CORRELATIONS I. 3q.h. Lecture

This is a full year sequence designed to provide a bridge between the didactic coursework of the first year curriculum and its application to the practice of Surgical and Autopsy

Pathology by Pathologists' Assistants in the clinical setting.

MTD 500 Interprofessional Healthcare Teams 1q.h.

This course is an experiential learning opportunity for all students at Rosalind Franklin University of Medicine and Science to learn about a collaborative model of care. The students will interact in healthcare teams focusing on patient centered care emphasizing evidence based practice, quality improvement strategies and informatics.

First Year-Winter Quarter

MPAT600B SYSTEMIC PATHOLOGY 5qh Lecture/Laboratory

Continuation of MPAT600A

PBBS503B STRUCTURE AND FUNCTION 4qh Lecture/Laboratory

Continuation of PBBS503A

HAPA561 CLINICAL CORRELATIONS II. 3qh Lecture

Continuation of HAPA560

HAPA530 HISTOCHEMISTRY 4qh Lecture/Laboratory

Basic histology technique and histochemistry will be covered with emphasis on special stains, immunohistochemistry, frozen sections and various special preparations such as muscle and nerve biopsies.

HAPA510 JOURNAL REVIEW 2qh Lecture/Discussion

Current topics pertinent to the profession will be discussed through weekly presentations of critiques of articles from peer reviewed journals.

First Year-Spring Quarter

MPAT600C SYSTEMIC PATHOLOGY 5qh Lecture/Laboratory

Continuation of MPAT600B

HAPA562 CLINICAL CORRELATIONS III. 3qh Lecture

Continuation of HAPA561

HAPA540 AUTOPSY PATHOLOGY 3q.h.

This course provides an introduction to autopsy pathology and includes instruction in forensic, perinatal and pediatric pathology. There is a laboratory component to this class which includes practicing autopsy techniques on cadavers.

PBBS504A&B NEUROSCIENCE 1q.h.

An introduction to neuroanatomy and neuroscience for the pathologists' assistant student. Laboratory Included

**HMTD551 LEADERSHIP IN THE HEALTHCARE ENVIRONMENT 3qh
Lecture**

This interprofessional course is designed to introduce the student to the concept of

leadership within the healthcare environment. Leadership skills learned as part of previous service activities, sports, or academic study will be applied to the healthcare setting using case studies and small group discussion. The course begins with an overview of leadership styles, and then continues with more specific topics such as building teams, evaluating others, managing finances, managing risk, marketing of healthcare, and healthcare policy.

HAPA505 BIOMEDICAL PHOTOGRAPHY AND IMAGING 3qh Lecture

This course is designed for pathologists' assistant students and will focus on familiarizing students with photographic equipment, fundamentals of gross specimen photography and digital image data base management. Time will be spent on light microscopy and the use of photomicrography as well as stereoscope photography. There will be an introduction to radiological procedures and the pathologists' assistant's use of radiographs. In addition, there will be tours of the electron microscopy lab and the live cell imaging lab.

Second Year-Summer Quarter _____

HAPA630 ANATOMIC PATHOLOGY CLERKSHIP I. 12q.h.

This is a ten month practical course sequence which forms the curriculum for the second year. Students will rotate through various clinical sites and departments and perform the duties of a Pathologists' Assistant under the guidance of a preceptor. Emphasis will be placed on developing the students' skills of gross tissue description, dissection and frozen section preparation in the surgical pathology. In autopsy pathology, emphasis will be placed on autopsy technique including evisceration and block dissection.

Second Year-Fall Quarter _____

HAPA631 ANATOMIC PATHOLOGY CLERKSHIP II. 12q.h.

Continuation of HAPA630

Second Year-Winter Quarter _____

HAPA632 ANATOMIC PATHOLOGY CLERKSHIP III. 12q.h.

Continuation of HAPA631

Second Year-Spring Quarter _____

HAPA633 ANATOMIC PATHOLOGY CLERKSHIP IV. 12q.h.

Continuation of HAPA632