

# PHYSICIAN ASSISTANT EDUCATION (PAEP)

## **PAEP 7000 Physiology and Pathophysiology for Physician Assistants 3 cr**

This brief introduction is designed to impart an understanding of normal physiological functioning of the human body. This basic science course builds upon the entry knowledge of the Physician Assistant student, by presenting the pathophysiology of disease by organ systems. The emphasis is on the homeostatic mechanisms for all the major organ systems. Evaluation will be by successful completion of exercises, class participation and written examination, demonstrating to faculty proficiency in course principles.

## **PAEP 7002 Physiology and Pathophysiology for Physician Assistants II 3 cr**

A continuation of the material presented in Physiology and Pathophysiology for Physician Assistants. A basic science course which builds upon the entry knowledge of the PAEP learner by presenting normal physiology and the pathophysiology for disease by organ systems.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Admission to PAEP Year 1

## **PAEP 7010 Human Anatomy for Physician Assistants 3 cr**

This brief comprehensive introduction is designed to impart an understanding of gross functional anatomy of the human body. This basic science course builds upon the entry knowledge of the student by presenting clinical human anatomy, correlated to clinical applications, assessment and pathology of disease. Evaluation will be by successful completion of exercises, class participation and written examination, demonstrating to faculty proficiency in course principles.

## **PAEP 7030 Professional Studies of Physician Assistants 3 cr**

This course is designed to provide the student with an understanding of the role the Physician Assistant plays within the structure of the Canadian Health Care System. This introduction is designed to impart an understanding of the interaction between the various stakeholders. Ethical considerations in health care and the legal aspects of the PA role in Canada will be addressed. Evaluation will be by successful completion of a presentation (evaluated by classmates), participation in ethical problem solving exercises and written examination, demonstrating to faculty proficiency in course principles. Students are expected to submit a research paper on an ethics topic of choice and write a short-answer examination at the end of the course.

## **PAEP 7042 Biochemistry for Physician Assistants 1 cr**

A brief introduction to medical biochemistry.

## **PAEP 7045 Research and Clinical Practice for Physician Assistants 1 cr**

An introduction to the skills required for quality improvement efforts and critical appraisal of medical literature in clinical practice and evidenced based medicine.

## **PAEP 7046 Genetics for Physician Assistants 1 cr**

A brief introduction to medical genetics.

## **PAEP 7048 Pediatrics for Physician Assistants 3 cr**

A brief, comprehensive didactic introduction to the field of obstetrics and gynecology designed to prepare the physician assistant to diagnose and treat, within his or her scope of practice, common obstetrics and gynecology conditions as would be encountered in a primary care setting.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Successful completion of MPAS year 1.

## **PAEP 7050 Obstetrics and Gynecology for Physician Assistants 3 cr**

A brief, comprehensive didactic introduction to the field of obstetrics and gynecology designed to prepare the physician assistant to diagnose and treat, within his or her scope of practice, common obstetrics and gynecology conditions as would be encountered in a primary care setting.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Pre-requisite: Successful completion of MPAS year 1.

## **PAEP 7052 Patient Assessment for Physician Assistants I 2 cr**

A comprehensive introduction to the clinical assessment of a patient, delivered as a group of three courses. Part I introduces basic history-taking and physical exam skills. Patient Assessment II and Patient Assessment III extend these skills to other clinical settings.

## **PAEP 7054 Patient Assessment for Physician Assistants II 2 cr**

Continues developing the skills in history taking and physical examination introduced in patient Assessment for Pas I. Learners are introduced to the Standardized Patient Program.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Admissions to PAEP Year 1.

## **PAEP 7056 Patient Assessment for Physician Assistants III 2 cr**

A brief, comprehensive introduction to diagnostic imaging techniques and interpretation of diagnostic images designed to enable Physician Assistants, within their scope of practice, to diagnose and treat medical, surgical, and infectious disease.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Admission to PAEP Year 1.

## **PAEP 7068 Adult Medicine for Physician Assistants 1 6 cr**

A comprehensive, system-based introduction to the clinical disciplines of medicine. Adult Medicine I is the first part of a two-course sequence; content areas include endocrinological, gastrointestinal and neurological, medicine, ophthalmology, and hematology/oncology.

## **PAEP 7078 Adult Medicine for Physician Assistants II 6 cr**

A comprehensive, system-based introduction to the clinical disciplines of medicine. Adult Medicine II is the second part of a two-course sequence; content areas include cardiovascular, musculoskeletal, renal, dermatologic and respiratory medicine, and otolaryngology.

## **PAEP 7082 Diagnostic Imaging for Physician Assistants 1 cr**

A brief, comprehensive introduction to diagnostic imaging techniques and interpretation of diagnostic images designed to enable Physician Assistants, within their scope of practice, to diagnose and treat medical, surgical and infectious disease.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Admissions to PAEP Year 1

## **PAEP 7084 Microbiology for Physician Assistants 1 cr**

A brief introduction to Medical Microbiology.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Admissions to PAEP Year 1.

## **PAEP 7090 Principles of Psychiatry for Physician Assistants 3 cr**

A brief, comprehensive introduction designed to impart an understanding of mental and behavioral health. Based on the special needs of a patient populations, the patient's presentation and unique contributing factors, the PA will be able to evaluate and analyze the patient's needs, providing the required specialty assessment for the psychiatric patient. Evaluation will be by successful completion of a practical and written evaluation, demonstrating the faculty proficiency in the course material.

**PAEP 7100 Principles of Surgery for Physician Assistants 3 cr**

A brief, comprehensive introduction designed to impart an understanding of surgical diseases. Upon completion, the Physical Assistant student, with their scope of practice, will be able to diagnose, refer and treat the medical, surgical and infectious diseases from a surgical perspective. Evaluation will be by successful completion of a practical and written evaluation, demonstrating to faculty proficiency in the principals of surgery and application of surgical skills.

**PAEP 7110 Emergency and Critical Care for Physician Assistants 3 cr**

A brief, systems-based comprehensive introduction designed to impart an understanding of emergency and intensive care medicine. This course will equip the Physician Assistant student with the skills necessary to diagnose, refer and treat medical, surgical and infectious disease emergencies and life threatening conditions. The Advanced Cardiac Life Support (ACLS) course is a mandatory component of the Emergency and Critical Care course. It is organized by the Department of Emergency Medicine and is designed to provide the student with advanced knowledge and experience on how to handle a cardiac arrest. Most Physician Assistant students find the course invaluable regardless of what specialty they enter. Evaluation is based on successful completion of a practical evaluation, problem solving exercises, displaying proficiency in clinical skills and a written examination, demonstrating to faculty proficiency in course principles.

**PAEP 7150 Year 1 Comprehensive Examination 0 cr**

A pass/fail, multiple choice examination designed to assess students' knowledge of clinically relevant Year 1 material prior to entry into the clinical year.

**PAEP 7202 Family Medicine for Physician Assistants 6 cr**

A clinical rotation designed to impart a practical understanding of Family Medicine, to prepare the physician assistant, within his or her scope of practice, to diagnose and manage conditions and issues related to primary care medicine and general practice.

**PAEP 7204 Clinical Elective for Physician Assistants I 1.5 cr**

This course consists of two weeks of clinical time, offering an introduction to the clinical discipline of the Physician Assistant learner's choice. Course objectives will be developed by the learner in collaboration with PAEP faculty members.

**PAEP 7206 Clinical Elective for Physician Assistants II 1.5 cr**

This course consists of two weeks of clinical time, offering an introduction to the clinical discipline of the Physician Assistant learner's choice. Course objectives will be developed by the learner in collaboration with PAEP faculty members.

**PAEP 7210 Clinical Internal Medicine for Physician Assistants 3 cr**

A brief, clinical rotation designed to impart a practical understanding in the area of internal medicine. There will be an internal medicine speciality focus in this rotation versus the general exposure seen in Family Medicine. Upon completion, the Physician Assistant student will, within their scope of practice, be able to diagnose, refer and treat the medical, surgical and infectious conditions related to the field of internal medicine.

**PAEP 7212 External Electives for Physician Assistant Students 0 cr**

A clinical rotation of varying length designed to provide a physician assistant student not from the University of Manitoba with clinical education and training in a medical discipline of the student's choice at a University of Manitoba clinical teaching unit. Course credit is assigned by the student's home institution.

**PAEP 7220 Clinical Surgery for Physician Assistants 3 cr**

The 6-week General Surgery service rotation provides Physician Assistant-Student with clinical experience in a surgical learning environment. The PA-Student competencies addresses relate to the generalist role a PA requires to support surgery services and the skills required in surgical practice.

**PAEP 7240 Clinical Pediatrics for Physician Assistants 3 cr**

A brief, clinical rotation designed to impart a practical understanding of health and diseases in the field of pediatrics. Upon completion, the Physician Assistant student, within their scope of practice, will be able to diagnose, refer and treat the medical, surgical and infectious conditions related to the field of pediatric medicine.

**PAEP 7250 Clinical Psychiatry for Physician Assistants 3 cr**

A brief, clinical rotation designed to impart a practical understanding of mental health and psychiatric disease to the Physician Assistant. Upon completion, the Physician Assistant student, within their scope of practice, will be able to diagnose, refer and treat the medical, surgical and infectious conditions related to psychiatric medicine.

**PAEP 7260 Community Health for Physician Assistants 3 cr**

Community Health for PAs is a 4-week clinical experience focusing on primary health care and community services. Community health focuses on the maintenance, protection, and improvement of the patient's and communities' health status. The learners' experience occurs in community health organizations that provide primary healthcare, health promotion, and community services using interdisciplinary teams of health providers. Course graded pass/fail.

**PAEP 7270 Clinical Emergency Medicine for Physician Assistants 3 cr**

The Physician Assistant must have the knowledge and skills to manage life-threatening emergent medical or surgical issues. The competencies acquired during the Emergency Medicine clinical rotation build upon material taught during the academic year of the program. PAEP 7270 is a six-week rotation at designated Emergency Departments in Manitoba.

**PAEP 7280 Clinical Obstetrics and Gynecology for Physician Assistants 3 cr**

A brief, clinical rotation in obstetrics and gynecology designed to impart a practical understanding of reproductive health. Upon completion, the Physician Assistant student, within their scope of practice, will be able to diagnose, refer and treat the medical, surgical and infectious conditions related to the field of reproductive, obstetrical and gynecologic health.

**PAEP 7300 Comprehensive Assessment of Clinical Skills 0 cr**

The Comprehensive Assessment of Clinical Skills is a comprehensive summary of clinical performance using information from PA-ITRES, mini-CEX evaluations, and observed histories/physical exams. This assessment will be graded on a pass/fail basis.

**PAEP 7350 PAEP Final Project 0 cr**

A capstone project that may take a variety of formats as dictated by Program faculty. Students will, in consultation with a faculty mentor, develop and research a topic for presentation to faculty and peers.