

**Clinical Medicine III (PAST 547)** - This is the third in a series of courses designed to provide a comprehensive study of diseases and disorders across the human lifespan including prenatal, infant, children, adolescents, adults, and elderly, applied to the principles of clinical medicine. Emphasis will be on disease processes common to preventative, emergent, acute, chronic, and rehabilitative patient encounters, serving as an introduction to evaluation, diagnosis, and management. This is a 12-week course that is predominantly lecture and case-based. This course will introduce students to the fundamentals of clinical medicine in the areas of Cardiology, Pulmonology, Nephrology, Gastroenterology, and Nutrition. *(6 Credits)*

**Basic Science III (PAST 566)** - This is the third in a series of courses that will introduce students to the fundamentals of medical physiology and pathophysiology across the human lifespan including prenatal, infant, children, adolescents, adults, and elderly. This course will introduce students to clinical medicine through the study of human physiology and the phenomena that produce alterations or pathology in human physiologic function. Content is delivered in an organ system-based approach with an emphasis on pathological processes common to emergent, acute, and chronic disease and is aligned with the clinical medicine series. This is an 11-week course that is lecture based with small group work and application activities. It will introduce students to the fundamental physiological and pathophysiological processes relevant to Cardiology, Pulmonology, Nephrology, Gastroenterology, and Nutrition. *(2 Credits)*

**Clinical Pharmacotherapeutics III (PAST 577)** - This is the third in a series of courses designed to provide a comprehensive study of clinical pharmacotherapeutics utilized across the human lifespan including prenatal, infant, children, adolescents, adults, and elderly. Emphasis will be on pharmacotherapeutics common to preventative, emergent, acute, chronic, and rehabilitative patient encounters. This is a 12-week course that is predominantly lecture and case-based. This course will introduce students to the fundamentals of clinical pharmacotherapeutics in the areas of Endocrinology, Reproductive health, Palliative and Hospice medicine, Musculoskeletal system, Pediatrics, Geriatrics, and Emergency Medicine. *(1 Credits)*

**Principles of Professional Practice IV (PAST 521)** - This course builds upon the principles learned in Principles of Professional Practice I, II, and III. Multiple teaching methods are used to engage students in learning about the health beliefs and health risks of a variety of cultures and special populations. The role of public health and concepts of disease prevention are explored further, and students continue to learn and apply the principles of effective patient-provider communication and health promotion. The concepts of medical ethics build upon the principles of professionalism learned in the previous terms. Course content may be delivered in a variety of methods, and may include

assigned reading material, virtual sessions, video recordings, and/or in-person lectures. (2 Credits)

**Clinical Medicine Tutorials III (PAST 517)** - Clinical Medicine Tutorials III is the third of a three-term course designed to facilitate the development of clinical reasoning skills. This course utilizes a problem-based learning (PBL) format with small groups of 6-8 students and a faculty facilitator. A fictional family is followed throughout the year whose members seek care for a variety of medical conditions commonly seen in an ambulatory setting. Students are divided into groups with a faculty facilitator. Each week, one or more of these "patients" is seen for a particular medical problem, and students work as a group to address various aspects of the patient's case. By working through these cases, students learn to formulate differential diagnoses, order and interpret diagnostic tests, and develop assessments and treatment plans. Additional aspects of clinical practice are discussed and practiced including collection of a history, writing an HPI, case presentations, providing patient education and prescription writing. Researching and applying evidenced-based medicine to guide their medical decision-making is emphasized. (3 Credits)

**Clinical Practicum III (PAST 509B)** - This is the third of a three-term course designed to provide students with opportunities to apply their developing knowledge and skills to clinical situations. This course builds upon the themes introduced in the first two terms with continued interactive learning and virtual exposure to application of clinical topics. Students will continue to work through hypothetical case scenarios to formulate diagnostic and therapeutic plans that are based on evidence. When possible, these sessions will augment the material being taught in the Clinical Medicine courses. Students will be exposed to a variety of clinical applications including the problem-oriented physical examination, lab and diagnostic study interpretation, principles of billing and coding, POCUS, evidence-based medicine and interpretation of the medical literature. Course content may be delivered in a variety of methods, and may include assigned reading material, virtual sessions, video recordings, and/or in-person lectures. (3 Credits)

**Electrocardiography (PAST 507A)** - The purpose of this course is to introduce, define, describe and summarize information about the cardiac diagnostic tool known as the electrocardiogram (ECG). Each week the course focuses on key evaluative skills and associates them with characteristic physiologic and pathologic findings. The use of this diagnostic method in the care of patients is also discussed. At the end of this course students will have a broad foundational understanding of how to utilize and interpret a rhythm strip as well as a 12-Lead electrocardiogram. (1 Credits)

**Foundations of Patient Safety and Interprofessional Practice (IPE 501)** - The Foundations of Patient Safety and Interprofessional Practice series (IPE 401, 501, 601 & 701) introduces early healthcare learners to the four core competencies of interprofessional education: Competency 1: Values/ ethics for interprofessional practice,

Competency 2: Roles and responsibilities for collaborative practice, Competency 3: Interprofessional communication practice (CC), Competency 4: Interprofessional teamwork and team-based practice. Learners collaborate to learn the foundations of patient safety and how working together can improve patient care outcomes. *(1 Credits)*