Physician Assistant Studies

Master of Physician Assistant Studies (http://und-public.courseleaf.com/graduateacademicinformation/departmentalcoursesprograms/physicianassistantstudies/pas-mpas)

Courses

PA 507. Medical Human Anatomy & Radiology I. 3 Credits.
This online course is a review of the basic principles of anatomy in preparation for the clinical phase of the PA program. The students will be introduced to components of radiologic diagnostic studies such as x-ray, CT scans and other forms of imaging. Prerequisite: Admission to Master of Physician Assistant Studies Program. SS.

PA 508. Medical Human Anatomy & Radiology II. 3 Credits.
Continuation of PA 507. This online course is a continued review of the basic principles of anatomy in preparation for the clinical phase of the PA program. The students will review radiologic diagnostic studies such as x-ray, CT scans and other forms of imaging. Prerequisite: Admission to Master of Physician Assistant Studies Program. F.

PA 510. Human Physiology & Pathophysiology I. 4 Credits.
This system-based online course focuses on the physiologic and pathophysiologic functions of the human body from the cellular level, to organ systems, with emphasis on genetics. This course lays the foundation for understanding the underlying principles of human disease processes across the lifespan. Prerequisite: Admission to Master of Physician Assistant Studies Program. F.

PA 511. Human Physiology & Pathophysiology II. 4 Credits.
Continuation of PA 510. This system-based online course focuses on the physiologic and pathophysiologic functions of the human body from the cellular level, to organ systems. This course lays the foundation for understanding the underlying principles of human disease processes across the lifespan. Prerequisite: Admission to Master of Physician Assistant Studies Program and PA 510. F.

PA 516. EKG Interpretation. 1 Credit.
This online course focuses on the principles and practical application of electrocardiography for the PA. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 517. Pharmacology I. 2 Credits.
This online system-based course focuses on the pharmacokinetic, pharmacodynamic, and pharmacogenetic concepts of the major drug classes across the lifespan. Federal regulations governing drug development, drug schedules, drug safety and legislation are included. In addition, drug interactions and contraindications and calculation of mathematical equivalents utilized in prescribing medications are reviewed. Prerequisite: Admission to Master of Physician Assistant Studies Program. SS.

PA 518. Pharmacology II. 2 Credits.
Continuation of PA 517. This online system-based course focuses on the pharmacokinetic, pharmacodynamic, and pharmacogenetic concepts of the major drug classes across the lifespan. In addition, drug interactions and contraindications and complementary and over the counter medications are discussed. Prerequisites: Admission to Master of Physician Assistant Studies Program and PA 517. F.

PA 521. Diagnostic Studies I. 2 Credits.
This online course focuses on laboratory, radiologic, and other diagnostic studies and acceptable values across the lifespan. Components encompass areas of radiology, hematology, chemistry, urinalysis, immunology, and microbiology. Emphasis will include routine and preventative studies for systems consistent with concurrent primary care course content. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 522. Diagnostic Studies II. 2 Credits.
Continuation of PA 521. This online course focuses on laboratory, radiologic, and other diagnostic studies in relation to disease processes across the lifespan using a system-based approach. Components encompass areas of radiology, hematology, chemistry, immunology, genetic and molecular testing and microbiology. Emphasis will include systems such as cardiology, respiratory, endocrinology, gastroenterology and musculoskeletal consistent with concurrent primary care course content. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 521. SS.

PA 523. Diagnostic Studies III. 2 Credits.
Continuation of PA 522. This online course focuses on laboratory, radiologic and other diagnostic studies in relation to disease processes across the lifespan using a system-based approach. Components encompass areas of radiology, hematology, chemistry, urinalysis, and microbiology. Emphasis will include systems such as neurology, reproduction, and renal consistent with concurrent primary care course content. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 522. F.

PA 525. Scholarly Project Development. 3 Credits.
This online course provides a brief review of statistical principles as applied in medical literature with specific focus on research methods. Implementing principles of evidence-based medicine; students will learn to critically appraise the value and significance of medical research to determine application in clinical practice. Aspects of population health will also be discussed as students select a topic and complete a project proposal for the scholarly project. Prerequisite: Enrollment in the Physician Assistant Program. F.

PA 540. Primary Care I - Didactic. 4 Credits.
This didactic course is held on the UND campus. Focus is on instruction in patient assessment including communication strategies for interviewing and eliciting a medical history, techniques for performing a basic physical examination, and accurate documentation of patient data. Normal and abnormal findings involving patients across the lifespan are also presented. Instruction in preventive health, behavioral science psychological development is also emphasized. Clinical skill labs are utilized to instruct physical examination skills. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 541. Primary Care I Clinical. 5 Credits.
This supervised clinical practical experience in a primary care setting allows students to apply communication strategies for interviewing and eliciting a medical history, techniques for performing a basic physical examination, and accurate documentation of patient data. Normal and abnormal findings involving patients across the lifespan are also evaluated with a preceptor in the clinical setting. Prerequisites: Admission to Master of Physician Assistant Studies Program. S.

PA 550. Primary Care II - Didactic. 6 Credits.
This didactic course is held on the UND campus. Focus is on the problem solving process for the diagnosis and management of acute and chronic medical conditions across the life span. Emphasis is placed on analyzing symptoms of disease and formulating differential diagnoses using a system-based approach. Systems such as cardiology, respiratory, endocrinology and musculoskeletal are included. Pharmacology and pharmacotherapeutics used to treat acute and chronic conditions in system-based areas are also emphasized. Clinical skill labs include skin suturing, casting and splinting and sterile technique. Prerequisites: Admission to Master of Physician Assistant Studies Program. S.

PA 551. Primary Care II Clinical. 9 Credits.
This supervised clinical practice experience in a primary care setting allows students to focus on analyzing symptoms of disease, formulating differential diagnoses and treatment plans for patients across the life span. This clinical phase also includes a required supervised practicum in an urgent care setting. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 550. SS.
PA 550. Primary Care III - Didactic. 7 Credits.
This didactic course is held on the UND campus. Focus is on the problem solving process for the diagnosis and management of acute and chronic medical conditions across the life span. Emphasis is placed on analyzing symptoms of disease and formulating differential diagnoses using a system-based approach. Systems such as neurology, reproduction, renal and behavioral science are included. Pharmacology and pharmacotherapeutics used to treat acute and chronic conditions in system-based areas are also emphasized. Further emphasis is placed on managing patients with multiple co-morbidities in emergency, clinical, and surgical settings. Simulation and skill labs are utilized to further enhance critical thinking and medical decision making for treatment of patients across the life span. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 551. F.

PA 551. Primary Care III - Clinical. 9 Credits.
This supervised clinical practice experience in a primary care setting allows students to continue focusing and developing differential diagnoses and treatment plans for patients with complex medical disease across the life span. This clinical phase also includes a required supervised hospital practicum in an inpatient hospital setting. Prerequisite: Admission to Master of Physician Assistant Studies Program. Prerequisite or Corequisite: PA 560. F.

PA 560. Specialty Clerkship. 5-6 Credits.
This course is required to formulate and write the final product. Students will also work with the faculty advisor, community preceptor and PA student to develop and submit the final product. The course content elective - This course provides additional time, if needed to complete required components of the Masters in Physician Assistant Studies. Repeatable to 12 credits maximum. Prerequisites: Admission to Master of Physician Assistant Studies Program and approval from the Director of the Physician Assistant Program. On demand.

PA 561. Specialty Clerkship. 5-6 Credits.
Recommended to formulate and write the final product. This course allows students to continue focusing and developing differential diagnoses and treatment plans for patients with complex medical disease across the life span. This clinical phase also includes a required supervised hospital practicum in an inpatient hospital setting. Prerequisite: Admission to Master of Physician Assistant Studies Program. Prerequisite or Corequisite: PA 560. F.

PA 566. Professional Issues & Role Development I. 2 Credits.
This online course discusses role definition and developmental concepts for the physician assistant within the health care industry. The importance of professionalism as an expression of positive values and ideals is discussed in a high level of responsibility, ethical practice and sensitivity to a diverse patient population is also discussed. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 567. Professional Issues & Role Development II. 1 Credit.
Continuation of PA 566. This online course discusses further levels of professionalism with respect to adherence to legal and regulatory requirements, health care delivery systems and health policy, including rural and underserved populations. Cultural diversity and inclusion principles are also discussed. Prerequisite: Admission to Master of Physician Assistant Studies Program and successful completion of PA 566. SS.

PA 568. Professional Issues & Role Development III. 1 Credit.
Continuation of PA 567. This online course discusses additional aspects of professionalism including accountability to patients, society and the profession, commitment to excellence and ongoing professional development. The importance of intellectual honesty and appropriate conduct will also be discussed. This course will also assist in preparing the student for clinical employment by stressing the importance of the interview, contract negotiations, privileges, certification, licensure and maintenance. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 567. F.

PA 569. Professional Issues & Role Development IV. 1 Credit.
Continuation of PA 568. This online course introduces the PA student to quality of care and reimbursement methods. Students will further understand the importance of patient safety and risk management as well as develop a response to medical ethics. Comprehensive role development will also prepare the student for entry level practice. Prerequisites: Admission to Master of Physician Assistant Studies Program and successful completion of PA 568. S.

PA 580. Specialty Clerkship. 5-6 Credits.
This supervised clinical practical experience is designed to expose the student to different disciplines of medicine to fulfill program requirements as determined by UND faculty advisor, community preceptor and PA student and as necessary for adequate entry level PA practice. One credit of PA 588 may be substituted for one of the required 6 credits. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 581. Emergency Department Clerkship. 4 Credits.
This required supervised clinical practical experience focuses on analyzing symptoms and formulating differential diagnoses of emergent and traumatic condition across the life span. This clerkship is intended to provide the student with hands-on experience in the care of patients with urgent and emergent conditions. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 582. General Surgery Clerkship. 4 Credits.
This required supervised clinical practical experience focuses on analyzing symptoms and formulating differential diagnoses of patients requiring surgical interventions. This clerkship is intended to provide the student with hands-on experience in the care of patients with surgical conditions. Emphasis is placed on the role of the PA in a surgical setting to enhance skills in sterile techniques, surgical assisting, suturing, documentation and pre-post-operative patient care. Prerequisite: Admission to Master of Physician Assistant Studies Program. S.

PA 588. International Clerkship. 1 Credit.
Course content elective - This course offers students clinical time in another country to become acquainted with problems in: health care delivery, mother and childcare, malnutrition, basic sanitation and preventative health care measures. One credit of PA 588 may be substituted for one of the credits required in PA 580. Prerequisites: Admission to Master of Physician Assistant Studies Program and approval from the Director of the Physician Assistant Program. On demand.

PA 589. Readings in Physician Assistant Studies. 1-2 Credits.
Course content elective - Selected review and reading of current professional literature in areas pertaining to the practice of a Physician Assistant. In collaboration with the faculty member, reading selection and method of evaluation are determined. Prerequisites: Admission to Master of Physician Assistant Studies Program and approval from the Director of the Physician Assistant Program. Repeatable to 6 credits. On demand.

PA 599. Special Topics in Physician Assistant Studies. 1-2 Credits.
Course content elective - A series of clinically relevant lectures, discussions, and/or supervised practice experience experiences developed around the practice of a Physician Assistant. Prerequisites: Admission to Master of Physician Assistant Studies Program and approval from the Director of the Physician Assistant Program. Repeatable to 6 credits. On demand.

PA 990. Continuing Enrollment in Physician Assistant Studies. 1-6 Credits.
Course content elective - This course provides additional time, if needed to complete required components of the Masters in Physician Assistant Studies. Repeatable to 12 credits maximum. Prerequisites: Admission to Master of Physician Assistant Studies Program and approval from the Director of the Physician Assistant Program. Repeatable to 12 credits. S/U grading. On demand.

PA 995. Scholarly Project. 3 Credits.
This online course allows the student to complete the scholarly project. Continued review and critique of the literature related to the topic area are required to formulate and write the final product. Students will also work with their advisor to objectively evaluate the scholarly project outcome. Prerequisite: Enrollment in the Physician Assistant Studies Program and completion of PA 525. S.

PA 996. Continuing Enrollment. 1-12 Credits.
Repeatable. S/U grading.