

## **Physician Assistant Courses:**

### **PAS 6010 - Diagnostic Medicine I**

Credits, 1 sem. hr. This is the first of a multi-semester course covering medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. The initial semester emphasizes radiographic anatomy, the practical application of medical history-taking and the recording and presentation of clinical information. Teaching methods include lectures, learning team meetings and clinical assignments.

### **PAS 6011 - Diagnostic Medicine I LAB**

Credits, 1 sem. hr. This is the first of a multi-semester series of labs where students gain practical skills in medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. The initial semester emphasizes radiographic anatomy, the practical application of medical history-taking and the recording and presentation of clinical information.

### **PAS 6020 - Pharmacology and Pharmacotherapeutics I**

Credits, 2 sem. hrs. An introduction to basic principles of pharmacokinetics, drug action, drug disposition, and drug toxicity, providing the foundation for the Pharmacotherapeutics courses taught in following semesters. Teaching methods include lecture, discussion, and learning team exercises.

### **PAS 6030 - Fundamentals of Medical Science I**

Credits, 3 sem. hrs. An introduction to the basic facts, concepts, and principles which are essential in understanding the fundamental mechanisms of human physiology, immunology, pathology, genetics and microbiology, biochemistry and clinical nutrition. This course presents the basic methods of clinical problem solving and serves as a prerequisite to the clinical medicine course by emphasizing the underlying principles of the etiology, management, and prevention of disease processes. Teaching methods include lecture, discussion, and learning team exercises.

### **PAS 6040 - Professional Development I**

Credits, 2 sem. hrs. Introduction to the PA Profession, including information about the history of the profession, AAPA Code of Ethics, credentialing and recertification requirements of the PA profession, the PA professional's role in healthcare delivery and reimbursement systems, relationship with the supervising physician and other healthcare professionals; information about legislation and governing bodies that affect the profession. Students will be assigned to teams with a faculty mentor, and this course will consist of regular team meetings and team based learning activities.

### **PAS 6050 - Behavioral and Community Medicine I**

Credits, 2 sem. hrs. This is the first of a multi-semester course. The initial semester emphasizes the study of the biopsychosocial model of health care and the study of the American health care system

emphasizing the role of the PA on the health care team. This course will also explore preventive medicine, community health and patient education. Students will be required to develop and implement an individual health prescription or community service/education project. Teaching methods include lecture, discussion, and learning team exercises.

#### PAS 6100 - Clinical Medicine I

Credits, 6 sem. hrs. The essentials of diagnosis and management of the most common clinical problems seen by primary care practitioners. Using an organ systems and life stages approach, clinical information is presented in conjunction with appropriate correlative lectures in emergent and preventive care. Patient cases are used in the small group setting to enhance readings and lectures, and students assess standardized patients in a controlled setting. This is a core course around which most other courses are organized.

#### PAS 6110 - Diagnostic Medicine II

Credits, 2 sem. hrs. This is the second of a multi-semester course covering medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Information is presented in conjunction with appropriate clinical medicine lectures. The second semester includes physical examination techniques and continues with basic principles of radiology (indications for, contraindications of, materials used, information obtained and complications), pathology, and the correlation between disease process and interpretation of clinical laboratory diagnostic tests. Teaching methods include learning team meetings and clinical assignments to examine and/or interview patients in hospital, outpatient, or long-term care settings.

#### PAS 6111 - Diagnostic Medicine II LAB

Credits, 2 sem. hrs. This is the second of a multi-semester series of labs where students gain practical skills in medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Includes demonstration and practice of various physical examination and laboratory methods including ECG theory and interpretation.

#### PAS 6120 - Pharmacology and Pharmacotherapeutics II (Fall Semester)

Credits, 2 sem. hrs. This course builds on principles covered in previous Pharmacology and Pharmacotherapeutics courses. Information is presented in conjunction with appropriate clinical medicine lectures. Drug categories and specific drugs used in the treatment of common diseases are presented using an organ systems approach to therapeutic management. Indications, contraindications, drug-drug interactions, appropriate drug dosing and monitoring are covered. Additionally, pharmacologic management of pregnant/lactating females, pediatric and elderly patients are included.

#### PAS 6130 - Fundamentals of Medical Science II

Credits, 1 sem. hr. Concepts in Pathophysiology, Medical Genetics, Immunology and Clinical Microbiology are presented in correlation with Clinical Medicine Courses. The Medical Genetics topics

provide a foundation for understanding the role of genes and chromosomes in basic patterns of inheritance, genetic factors in disease, screening and testing for genetic abnormalities and ethical and legal considerations. The Medical Microbiology topics cover pathogenic bacteria, fungi, viruses and animal parasites in relation to human disease with an emphasis on pathogenesis, mechanisms of virulence, epidemiology, therapy and prevention. The Immunology topics introduce basic principles of human immunity, response of the body to injury and common immunologic disorders.

#### PAS 6140 - Professional Development II

Credits, 1 sem. hr. Information is presented in conjunction with appropriate clinical medicine lectures. Students will learn the use of appropriate referral sources when patient management is outside scope of PA practice. The course will provide an introduction to the principle of intellectual honesty and integrate concepts and knowledge gained from field experience rotations into the total learning process. Focus on patient and professional communication, various professional practice issues and topics, and lifelong learning. Discussions on current clinical issues and student presentations on patient casework included. Meetings may also reinforce principles and practices taught in concurrent courses. Students are taught in small learning teams.

#### PAS 6151 - Evidence Based Medicine I

Credits, 3 sem. hr. A lecture and seminar course that provides a practical approach to making sound medical decisions on the basis of current evidence in the medical literature. Through a series of didactic presentations, group exercises, and reading, students will learn the basic principles of evidence-based medicine. Basic skills in using MEDLINE and other medical databases will be emphasized and practiced. Research principles, research ethics, and basic statistical review are introduced.

#### PAS 6160 - Cross-Cultural Medicine

Credits, 2 sem. hrs. This course examines diverse ways in which societies throughout the globe view and manage human disease and the implications this has for health care and medicine. The focus of the course is on the development of attitudes and skills that will empower the learner to become an effective clinician in a variety of cultural settings. The course also explores changes in overall health care in the context of globalization and considers how an understanding of the influence of culture on health is crucial for the development of international public health policy and practice.

#### PAS 6200 - Clinical Medicine II (Spring Semester)

Credits, 7 sem. hrs. The essentials of diagnosis and management of the most common clinical problems seen by primary care practitioners. Using an organ systems and life stages approach, clinical information is presented in conjunction with appropriate correlative lectures in emergent and preventive care. Patient cases are used in the small group setting to enhance readings and lectures, and students assess standardized patients in a controlled setting. This is a core course around which most other courses are organized.

#### PAS 6210 - Diagnostic Medicine III

Credits, 2 sem. hrs. This is the third of a multi-semester course covering medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Information is presented in conjunction with appropriate clinical medicine lectures. The semester includes physical examination techniques and continues with basic principles of radiology (indications for, contraindications of, materials used, information obtained and complications), pathology, and the correlation between disease process and interpretation of clinical laboratory diagnostic tests. Teaching methods include learning team meetings and clinical assignments to examine and/or interview patients in hospital, outpatient, or long-term care settings.

#### PAS 6211 - Diagnostic Medicine III LAB

Credits, 2 sem. hrs. This is the third of a multi-semester series of labs where students gain practical skills in medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Includes demonstration and practice of various physical examination and laboratory methods including ECG theory and interpretation. This semester includes hands-on practice of several clinical procedures such as suturing, catheterization and lumbar puncture.

#### PAS 6220 - Pharmacology and Pharmacotherapeutics III (Spring Semester)

Credits, 2 sem. hrs. This course builds on principles covered in previous Pharmacology and Pharmacotherapeutics courses. Information is presented in conjunction with appropriate clinical medicine lectures. Drug categories and specific drugs used in the treatment of common diseases are presented using an organ systems approach to therapeutic management. Indications, contraindications, drug-drug interactions, appropriate drug dosing and monitoring are covered. Additionally, pharmacologic management of pregnant/lactating females, pediatric and elderly patients are included.

#### PAS 6230 - Fundamentals of Medical Science III

Credits, 1 Sem. hr. Concepts in Pathophysiology, Medical Genetics, Immunology and Clinical Microbiology are presented in correlation with Clinical Medicine Courses. Medical Genetics topics provide a foundation for understanding the role of genes and chromosomes in basic patterns of inheritance, genetic factors in disease, screening and testing for genetic abnormalities and ethical and legal considerations. Medical Microbiology topics cover pathogenic bacteria, fungi, viruses and animal parasites in relation to human disease with an emphasis on pathogenesis, mechanisms of virulence, epidemiology, therapy and prevention. Immunology topics introduce basic principles of human immunity, response of the body to injury and common immunologic disorders.

#### PAS 6240 - Professional Development III

Credits, 1 sem. hr. Information is presented in conjunction with appropriate clinical medicine lectures. Students practice surgical gowning and principles of sterile technique. Focus on patient and professional communication, various professional practice issues and topics, and lifelong learning. Discussions on current clinical issues and student presentations on patient casework included. Students will learn

effective oral presentation methods and documentation. Meetings may also reinforce principles and practices taught in concurrent courses. Students are taught in small learning teams.

#### PAS 6250 - Behavioral and Community Medicine II

Credits, 2 sem. hrs. A study of the concepts and practices related to evaluation and management of psychiatric diseases and conditions as well as behavioral issues that impact upon the health and well-being of patients. Substance abuse and addictive behaviors are covered. Topics in psychopathology including depression, anxiety, psychosis, obesity and other eating disorders, personality disorders, and psychiatric emergencies with an emphasis on clinical diagnosis and management are also presented. Concepts of development and behavior in relation to mental health will also be discussed.

#### PAS 6270 - Essentials of Musculoskeletal Care (Spring Semester)

Credits, 1 sem hr Prerequisite(s): Admission to the MC PA Program

In this section of study, (PA) students will acquire an understanding of the presentation, diagnosis, and treatment of musculoskeletal conditions common to the primary care setting.

Taught during the Spring Semester

#### PAS 6300 - Clinical Medicine III

Credits, 3 sem. hrs. The essentials of diagnosis and management of the most common clinical problems seen by primary care practitioners. Using an organ systems and life stages approach, clinical information is presented in conjunction with appropriate correlative lectures in emergent and preventive care. Patient cases are used in the small group setting to enhance readings and lectures, and students assess standardized patients in a controlled setting. This is a core course around which most other courses are organized.

#### PAS 6310 - Diagnostic Medicine IV

Credits, 1 sem. hr. This is the fourth of a multi-semester course covering medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Information is presented in conjunction with appropriate clinical medicine lectures. The semester includes physical examination techniques and continues with basic principles of radiology (indications for, contraindications of, materials used, information obtained and complications), pathology, and the correlation between disease process and interpretation of clinical laboratory diagnostic tests. Teaching methods include learning team meetings and clinical assignments to examine and/or interview patients in hospital, outpatient, or long-term care settings.

#### PAS 6311 - Diagnostic Medicine IV LAB

Credits, 1 sem. hr. This is the fourth of a multi-semester series of labs where students gain practical skills in medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Includes demonstration and practice of various physical examination and laboratory methods including ECG theory and interpretation.

#### PAS 6320 - Pharmacology and Pharmacotherapeutics IV

Credits, 1 sem. hr. This course builds on principles covered in previous Pharmacology and Pharmacotherapeutics courses. Information is presented in conjunction with appropriate clinical medicine lectures. Drug categories and specific drugs used in the treatment of common diseases are presented using an organ systems approach to therapeutic management. Indications, contraindications, drug-drug interactions, appropriate drug dosing and monitoring are covered. Additionally, pharmacologic management of pregnant/lactating females, pediatric and elderly patients are included.

#### PAS 6330 - Fundamentals of Medical Science IV

Credits, 1 sem. hr. Concepts in Pathophysiology, Medical Genetics, Immunology and Clinical Microbiology are presented in correlation with Clinical Medicine Courses. The Medical Genetics topics provide a foundation for understanding the role of genes and chromosomes in basic patterns of inheritance, genetic factors in disease, screening and testing for genetic abnormalities and ethical and legal considerations. The Medical Microbiology topics cover pathogenic bacteria, fungi, viruses and animal parasites in relation to human disease with an emphasis on pathogenesis, mechanisms of virulence, epidemiology, therapy and prevention. The Immunology topics introduce basic principles of human immunity, response of the body to injury and common immunologic disorders.

#### PAS 6340 - Professional Development IV

Credits, 1 sem. hr. This semester includes discussions on current clinical issues and student presentations on patient casework. Students will explore professional misconduct issues, reimbursement (including documentation, coding and billing) and medical ethics. Meetings may also reinforce principles and practices taught in concurrent courses. Students are taught in small learning teams.

#### PAS 6350 - Behavioral and Community Medicine III

Credits, 1 sem. hr. An introduction to the basic concepts of health promotion and disease prevention and the development of strategies to affect healthy lifestyle changes in the individual and community. An investigation of community resources will also be included. Students will be required to complete an individual health prescription or community service/education project. An introduction to the structure and administrative principles in use in health care organizations, and professional issues review. Includes a lecture series taught by an interdisciplinary faculty and by community experts in health care organization. Topics include the patient as consumer, third-party payment, public policy trends, organizational behavior, legal and ethical problems, and the unique place of PAs in the health care system.

### PAS 6370 - Emergency Medicine I (Summer A Semester)

Credits, 1 sem hr Prerequisite(s): Admission to the MC PA Program

This course presents a systematic approach to the evaluation, recognition and management of medical and surgical emergencies which might be frequently encountered by the primary care physician assistant in the emergency department. Using a formal lecture/discussion format, the course focuses on etiology, evaluation, emergency treatment and stabilization of more common emergency injuries and disease presentations. The focus of the course is in providing students the necessary skill set to function in rural, underserved areas where the physician assistant might be responsible for identification of significant life threats, emergency treatment, and stabilization for evacuation to a higher level of care.

Taught during the Summer A Semester

### PAS 6400 - Clinical Medicine IV

Credits, 3 sem. hrs. The essentials of diagnosis and management of the most common clinical problems seen by primary care practitioners. Using an organ systems and life stages approach, clinical information is presented in conjunction with appropriate correlative lectures in emergent and preventive care. Patient cases are used in the small group setting to enhance readings and lectures, and students assess standardized patients in a controlled setting. This is a core course around which most other courses are organized.

### PAS 6410 - Diagnostic Medicine V

Credits, 1 sem. hr. This is the fifth of a multi-semester course covering medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Information is presented in conjunction with appropriate clinical medicine lectures. The semester includes physical examination techniques and continues with basic principles of radiology (indications for, contraindications of, materials used, information obtained and complications), pathology, and the correlation between disease process and interpretation of clinical laboratory diagnostic tests. Teaching methods include learning team meetings and clinical assignments to examine and/or interview patients in hospital, outpatient, or long-term care settings.

### PAS 6411 - Diagnostic Medicine V LAB

Credits, 1 sem. hr. This is the fifth of a multi-semester series of labs where students gain practical skills in medical interviewing, physical diagnosis, radiology, imaging, clinical laboratory tests, electrocardiography (ECG), and other diagnostic methods. Includes demonstration and practice of various physical examination and laboratory methods including ECG theory and interpretation. This semester includes hands-on practice of several clinical procedures such as airway management, principles of mechanical ventilation, use of noninvasive and invasive monitoring techniques, recognition and treatment of complications of mechanical ventilation. diagnostic methods. Includes demonstration

and practice of various physical examination and laboratory methods including ECG theory and interpretation. This semester includes hands-on practice of several clinical procedures such as airway management, principles of mechanical ventilation, use of noninvasive and invasive monitoring techniques, recognition and treatment of complications of mechanical ventilation.

#### PAS 6420 - Pharmacology and Pharmacotherapeutics V

Credits, 1 sem. hr. This course builds on principles covered in previous Pharmacology and Pharmacotherapeutics courses. Information is presented in conjunction with appropriate clinical medicine lectures. Drug categories and specific drugs used in the treatment of common diseases are presented using an organ systems approach to therapeutic management. Indications, contraindications, drug-drug interactions, appropriate drug dosing and monitoring are covered. Pharmacologic management of pregnant/ lactating females, pediatric and elderly patients are included. Additionally, the use of sedatives and paralytics in the ICU is included.

#### PAS 6430 - Fundamentals of Medical Science V

Credits, 1 sem. hr. Concepts in Pathophysiology, Medical Genetics, Immunology and Clinical Microbiology are presented in correlation with Clinical Medicine Courses. The Medical Genetics topics provide a foundation for understanding the role of genes and chromosomes in basic patterns of inheritance, genetic factors in disease, screening and testing for genetic abnormalities and ethical and legal considerations. The Medical Microbiology topics cover pathogenic bacteria, fungi, viruses and animal parasites in relation to human disease with an emphasis on pathogenesis, mechanisms of virulence, epidemiology, therapy and prevention. The Immunology topics introduce basic principles of human immunity, response of the body to injury and common immunologic disorders.

#### PAS 6440 - Professional Development V

Credits, 1 sem. hr. This semester includes hands-on practice of several clinical procedures such as airway management, principles of mechanical ventilation, use of noninvasive and invasive monitoring techniques, recognition and treatment of complications of mechanical ventilation. Discussions on current clinical issues and student presentations on patient casework included. Students will undergo preparation for upcoming clinical rotations. Meetings may also reinforce principles and practices taught in concurrent courses. Students are taught in small learning teams.

#### PAS 6451 - Critical Care Medicine I

Credits, 1 sem. hour Prerequisite(s): Only available to PA students.

This is a series of two courses covering the fundamentals of management of critically ill patients, utilizing mechanical ventilators, interpreting hemodynamic data in the acute care setting, and appropriate use of subspecialty consultation in the intensive care setting. Topics include Advanced Cardiac Life Support, Respiratory Failure, Vascular Access and Hemodynamic Monitoring, Sterile Technique, Wound Management, Managing Acute Intoxications, Radiology and Laboratory Diagnostics, Support



of Multi-organ System Failure, Basic Nutritional Support, Basic and Advanced cardiopulmonary Resuscitation, Documentation, Hospital Etiquette and Ethical Decision Making.

#### PAS 6452 - Critical Care Medicine II

Credits, 1 sem. hour Prerequisite(s): Only available to PA students.

This is the second of two consecutive courses covering the fundamentals of management of critically ill patients, utilizing mechanical ventilators, interpreting hemodynamic data in the acute care setting, and appropriate use of subspecialty consultation in the intensive care setting. Topics include Advanced Cardiac Life Support, Respiratory Failure, Vascular Access and Hemodynamic Monitoring Sterile Technique, Wound Management, Managing Acute Intoxications, Radiology and Laboratory Diagnostics, Support of Multi-organ System Failure, Basic Nutritional Support, Basic and Advanced cardiopulmonary Resuscitation, Documentation, Hospital Etiquette and Ethical Decision Making.

#### PAS 6470 - Emergency Medicine II (Summer B Semester)

Credits, 1 sem hr Prerequisite(s): Admission to the MC PA Program

This course presents a systematic approach to the evaluation, recognition and management of medical and surgical emergencies which might be frequently encountered by the primary care physician assistant in the emergency department. Using a formal lecture/discussion format, the course focuses on etiology, evaluation, emergency treatment and stabilization of more common emergency injuries and disease presentations. The focus of the course is in providing students the necessary skill set to function in rural, underserved areas where the physician assistant might be responsible for identification of significant life threats, emergency treatment, and stabilization for evacuation to a higher level of care.

Taught during the Summer B Semester

#### PAS 6510 - Clinical Practicum I

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6520 - Clinical Practicum II

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6530 - Clinical Practicum III

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6540 - Clinical Practicum IV

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6550 - Clinical Practicum V

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6560 - Clinical Practicum VI

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6570 - Clinical Practicum VII

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6580 - Clinical Practicum VIII

Credits, 5 sem. hrs. Students complete five weeks of supervised clinical training followed by one week of assessment and study on campus. During each Clinical Practicum the student will be assigned to two or more clinical rotations. See clinical training rotation descriptions for further details.

#### PAS 6640 - Advanced Professional Seminar I

Credits, 2 sem. hrs. In learning team and lecture settings, students review clinical cases and common medical topics and procedures. Teams may review concepts and procedures from previous or upcoming clinical rotations.

#### PAS 6650 - Advanced Professional Seminar II

Credits, 2 sem. hrs. In learning team and lecture settings, students review clinical cases and common medical topics and procedures. Teams may review concepts and procedures from previous or upcoming clinical rotations.

#### PAS 6660 - Advanced Professional Seminar III

Credits, 2 sem. hrs. In learning team and lecture settings, students review clinical cases and common medical topics and procedures. Teams may review concepts and procedures from previous or upcoming clinical rotations.

#### PAS 6670 - Advanced Professional Seminar IV

Credits, 2 sem. hrs. In learning team and lecture settings, students review clinical cases and common medical topics and procedures. Teams may review concepts and procedures from previous or upcoming clinical rotations.

#### PAS 6680 - Advanced Professional Seminar V

Credits, 2 sem. hrs. The focus of this final semester of professional development is on preparation of the student for the PANCE and their job search. The course includes a series of presentations prepared by students and based on topics identified as weaknesses by Physician Assistant program faculty and through the collective results of the Physician Assistant Clinical Knowledge Rating Assessment Tool (PACKRAT). The final two weeks of the semester includes an intense period of summative evaluation and board review activities.

#### PAS 6152 - Evidence Based Medicine II

Credits, 2 sem. hrs. During this semester-long course during the clinical year, PA students complete a portfolio which includes an evidence-based review paper on a clinical question of interest. They present their findings to faculty and student colleagues.

#### PAS 6700 - Advanced Clerkship

Credits, 14 sem. hrs. The capstone of the clinical phase is the Advanced Clerkship. During this course, students choose one of three specific areas of concentration; Primary Care, Critical Care, or Surgery and spend the entire semester at one of those training sites. Students return to campus during the final two weeks of the semester for further assessment and study.

#### PAS 6900 - Independent Study

Credits, variable. Permits students to enroll for remediation and review, under the direction of a faculty member, an area of emphasis in which the student is having difficulty. (Eligible for grade of PASS/FAIL)

## **Clinical Training Rotation Descriptions**

The Clinical Rotations are administered as individual assignments within the Clinical Practicum Courses PAS 6510- PAS 6580. While the rotations are generally 6 weeks in length, some may be longer or shorter depending upon the needs of the student and the experiences gained at the rotation site.

**Family Medicine (outpatient)** This course is designed to provide the student with the basics necessary to build a solid foundation for the evaluation, documentation, diagnosis and treatment of problems common in primary care/family medicine. Students learn the skills necessary to evaluate and manage the effects of chronic disease on multiple body systems and to perform or assist in procedures commonly used in providing care across the age spectrum. The student will develop proficiency in office procedures commonly performed in a family medicine office.

**Internal Medicine (inpatient)** The focus is on in-depth evaluation and ongoing treatment of adult patients with complex problems and/or chronic illness. Students learn the skills necessary to evaluate and manage the effects of chronic disease on multiple body systems and to perform or assist in procedures commonly performed in internal medicine. This rotation also includes in-depth evaluation and ongoing treatment of geriatric patients with complex problems and/or chronic illness. Students learn the skills necessary to evaluate and manage the effects of chronic disease on multiple body systems and to perform or assist in procedures commonly used in providing care to the geriatric population.

**General Surgery** Students will develop the skills necessary to evaluate and manage patients with a variety of surgical problems. Exposure will include pre-, intra- and post-operative patient care. The rotation will provide students the opportunity to develop an understanding of the role of the surgeon, anesthesiologist, assistant surgeon, circulating nurse, scrub nurse, scrub technician, recovery room and surgical floor nurses, aides and technicians in the care of the surgical patient.

**Pediatrics** This clinical rotation is designed to provide the student with outpatient and inpatient experience in pediatrics. The student will learn to perform evaluations of the healthy pediatric patient, recognize, evaluate and treat the common illnesses and problems experienced by the neonate, infant, small child and adolescent to age 18. Additionally, the student will learn to identify and manage problems in growth and development of these age groups and recognize and manage pediatric emergencies.

**Women's Health** This rotation is designed to provide the student with an outpatient experience in the area of care of the female patient, especially in the areas of women's health and prenatal care and the impact of disease processes on the reproductive system. The student will develop the skills and knowledge necessary to evaluate, manage and educate the patient in areas such as annual exams, birth control, infertility, menstruation, sexuality, pregnancy, pre- and post-natal care, menopause, and relationships.

**Behavioral Health** The student will develop the skills necessary to evaluate and manage patients with a variety of behavioral and psychiatric problems. The rotation will provide students with the opportunity to develop an understanding of the role of psychiatrists, psychologists, social workers and nurses in the care of the psychiatric patient. Students will learn the appropriate use of selected psychoactive pharmaceuticals. There will be ample opportunity for the student to practice the skills necessary to perform a psychiatric interview and mental status examination and make referrals for specialized psychiatric treatment.

**Emergency Medicine** The student is introduced to triage and the stabilization of patients with life threatening conditions and the procedures performed in the emergency department. Emphasis is placed on skills required to perform and document a problem oriented history and physical; formulate a differential diagnosis; order and interpret the tests necessary to confirm or rule out a primary diagnosis and give appropriate patient education. The student will also learn strategies for interacting with patients and/or families in various levels of stress.

**Critical Care** The goal is to provide physician assistant students with experience in managing critically ill patients, utilizing mechanical ventilators, interpreting hemodynamic data in the acute care setting, and appropriate use of subspecialty consultation in the intensive care setting. It is assumed that students and fellows will also gain experience in managing the acute problems associated with pulmonary diseases during this rotation.

**Elective** In association with the Clinical Coordinator, each student will choose from a list of elective rotations (i.e., primary care, hospitalist medicine, nephrology, interventional radiology, etc.). Each student will choose three rotations and be placed according to availability. No student will be required to acquire his/her own clinical rotation site. If a student has a particular clinical rotation site he/she wishes to develop, this may be done in association with and at the discretion of the Clinical Coordinator.