

## PA Program Tampa Semester 1 Course Descriptions

**SPAN 501 Clinical Medicine Spanish Lab I** (1 credit hour) This course introduces students to the medical Spanish needed to communicate with patients in a clinical setting. Pronunciation, language structure, and vocabulary of medical terminology are all emphasized. Spanish medical topics in this course will be aligned with the topics of the different body system modules covered in the Essentials of Clinical Medicine I course.

**PAS504 Health Promotion and Disease Prevention** (1 credit hour) This course outlines basic concepts of public health including health promotion and disease prevention across the lifespan, health screening, disease surveillance, disease reporting and intervention, the public health system, maintenance of population health, patient advocacy, and basic nutrition counseling. Students will also learn about the role of pediatric and adult immunizations, pediatric and adult health screening recommendations, cancer screening recommendations, dental health, and modifiable risk factors in preventative medicine.

**PAS514 Foundations of Clinical Practice** (4 credit hours) This course will cover both basic science and professional topics that serve as the foundation for PA clinical practice. Professional topics covered include the historical development of the PA profession, PA profession trends, the PA's relationship with the physician and other health care providers, the PA's role in the health care team, principles and practice of medical ethics, standards of ethical behavior such as intellectual honesty, academic integrity, and professional conduct, and professional organizations that help advance the PA profession. Basic science topics covered include introductory topics in physiology, genetic and molecular mechanisms of health and disease, immunology, mechanisms of infectious disease, oncology, and microbiology. Also covered will be basic principles of pharmacology such as pharmacokinetics, pharmacodynamics, and drug absorption, metabolism, and excretion.

**PAS519 Patient Evaluation** (4 credit hours) This course will help students to develop, practice, and meet a proficient level of the skills needed to conduct a complete medical history, perform a complete physical examination, and document findings in the patient record. Students will focus on communication, interviewing skills, and apperception of normal physical examination findings for each body system. Students are instructed in the interpersonal and communication skills necessary for the effective exchange of information and collaboration with patients, families, and other health care professionals. This course will also provide medical terminology and foundational principles related to patient evaluation that will be built upon in future courses.

**PAS526 Clinical Integration I** (2.5 credit hours) This is the first in a series of three courses that emphasize case-based learning and evidence based clinical practice as students utilize core clinical and medical science knowledge to solve patient cases. Using critical thinking and problem-solving abilities, students will review, and discuss patient cases then assimilate information to select appropriate physical examination and history components and to develop diagnostic workups, differential diagnosis, working diagnoses, and complete treatment plans. Through this course students will practice the ordering and interpreting laboratory and diagnostic studies in the evaluation of patient cases. This course will assist students in applying clinical medicine in a sufficient breadth and depth to be prepared for the clinical practice of medicine. Students will also be required to use interpersonal and communication skills to demonstrate the effective exchange information and the ability to collaborate with patients, families, and other health care professionals through written documentation and oral presentation of data. Learning objectives in this course align with the learning objectives for the different body system modules covered in the Essentials of Clinical Medicine course.

**PAS522 Essentials of Clinical Medicine I** (7.5 credit hours) This is the first course in a series of three courses where students will learn clinical medicine by comprehensively studying each body system in a modular format. Each systems-based module addresses the anatomy, pathophysiology, etiology, clinical presentation, abnormal physical diagnosis examination and findings, patient evaluation, diagnostic workup, clinical procedures, preventative care, diagnosis, differential diagnosis, and complete treatment plan (including pharmacotherapeutics, referrals, health maintenance, and patient education) for acute, chronic, emergent, genetic, oncologic, and surgical conditions involving that body system. Learning modules in this course include the hematologic and immunologic learning module, the ear, eyes, nose, and throat learning module, and the dermatologic learning module. Learning objectives in this course align with the learning objectives for the clinical integration course. Material is presented primarily in lecture, case studies, anatomy laboratory and case study sessions, physical diagnosis laboratory sessions, and clinical skill laboratory sessions. Students will be assessed primarily by multiple choice examinations, anatomy practicals, and by achieving baseline competency in

completing clinical skills needed to care for that body system. Pre-requisite: Matriculation into the LMU-Tampa PA Program.

## PA Program Tampa Semester 2 Course Descriptions

**SPAN502 Clinical Medicine Spanish Lab II** (1 credit hour) This course introduces students to the medical Spanish needed to communicate with patients in a clinical setting. Pronunciation, language structure, and vocabulary of medical terminology are all emphasized. Spanish medical topics in this course will be aligned with the topics of the different body system modules covered in the Essentials of Clinical Medicine II course.

**PAS509 Evidence Based Medicine** (1 credit hours) In this course, students will gain a working knowledge of research in the medical profession, will recognize the basic principles of applying evidence-based medicine to clinical practice, and will obtain the skills necessary to pursue a lifetime of learning through examination and evaluation of current medical literature. Students will be prepared to search, interpret, and evaluate the medical literature, to frame research questions, interpret basic biostatistical methods, to identify the limits of medical research, to understand types of sampling methods in research, and to use common databases to access medical literature. Students will also analyze medical research and evaluate the reliability of findings in the application of answering clinical questions.

**PAS529 Social and Cultural Aspects of Healthcare** (1 credit hour) This course will introduce students to the medical intervention skills needed to care for special populations. Course discussions will emphasize the provision of culturally competent medical care, advocacy for, and patient counselling to patients with consideration of disability, special healthcare needs, ethnicity, race, gender identity, religion, spirituality, sexual orientation, and social determinants of health. Students will receive training in cultural awareness and cultural humility and be exposed to methods used to overcome patient barriers to healthcare. Students will discuss how to interact professionally with patients and members of the healthcare team in a respectful, ethical, and culturally competent manner.

**PAS527 Clinical Integration II** (5 credit hours) This is the second in a series of three courses that emphasize case-based learning and evidence based clinical practice as students utilize core clinical and medical science knowledge to solve patient cases. Using critical thinking and problem-solving abilities, students will review, and discuss patient cases then assimilate information to select appropriate physical examination and history components, and to develop diagnostic workups, differential diagnosis, working diagnoses, and complete treatment plans. Through this course students will practice the ordering and interpreting laboratory and diagnostic studies in the evaluation of patient cases. This course will assist students in applying clinical medicine in a sufficient breadth and depth to be prepared for the clinical practice of medicine. Students will also be required to use interpersonal and communication skills to demonstrate the effective exchange information and the ability to collaborate with patients, families, and other health care professionals through written documentation and oral presentation of data. Learning objectives in this course align with the learning objectives for the different body system modules covered in the Essentials of Clinical Medicine course.

**PAS523 Essentials of Clinical Medicine II** (12 credit hours) This is the second course in a series of three courses where students will learn clinical medicine by comprehensively studying each body system in a modular format. Each systems-based module addresses the anatomy, pathophysiology, etiology, clinical presentation, abnormal physical diagnosis examination and findings, patient evaluation, diagnostic workup, clinical procedures, preventative care, diagnosis, differential diagnosis, and complete treatment plan (including pharmacotherapeutics, referrals, health maintenance, and patient education) for acute, chronic, emergent, genetic, oncologic, and surgical conditions involving that body system. Learning modules in this course include the endocrine learning module, the renal learning module, the gastrointestinal and nutritional learning module, the cardiovascular learning module, and the rheumatologic learning module. Learning objectives in this course align with the learning objectives for the clinical integration course. Material is presented primarily in lecture, case studies, anatomy laboratory and case study sessions, physical diagnosis laboratory sessions, and clinical skill laboratory sessions. Students will be assessed primarily by multiple choice examinations, anatomy practicals, and by achieving baseline competency in completing clinical skills needed to care for that body system.

## PA Program Tampa Semester 3 Course Descriptions

**SPAN503 Clinical Medicine Spanish Lab III** (1 credit hour) This course introduces students to the medical Spanish needed to communicate with patients in a clinical setting. Pronunciation, language structure, and vocabulary of medical terminology are all emphasized. Spanish medical topics in this course will be aligned with the topics of the different body system modules covered in the Essentials of Clinical Medicine III course.

**PAS534 Interprofessional and Population Healthcare** (1.5 credit hours) This course prepares students to work collaboratively in interprofessional patient centered teams and to provide medical care to patients across the lifespan. Interprofessional collaboration topics include: the roles and responsibilities of various health care professionals, the team approach to patient centered care beyond the traditional physician-PA team approach, the application of team-based collaboration to patient care, and the PA relationship with the physician and other health care providers. Provision of medical care across the life span topics include prenatal, infant, children, adolescent, adult and elderly care. Students will also discuss palliative/end of life care, rehabilitation, death, dying, and loss. The course includes Interprofessional educational (IPE) team activities that allow students to collaborate with and make medical decisions within an interprofessional team.

**PAS538 Impacting Medically Underserved Populations** (0.5 credit hours) In this course, students will explore barriers to the healthcare of medically underserved populations and discuss how outreach and intervention projects can overcome those barriers. Students will research community initiatives to serve medically underserved patients and discover how they can become actively involved in impacting the lives of underserved patients. The course will provide opportunity for students to further develop medical outreach skills by participating in the development of a clinical outreach project. Students will also complete readings on topics relevant to outreach activities.

**PAS528 Clinical Integration III** (5 credit hours) This is the third in a series of three courses that emphasize case-based learning and evidence based clinical practice as students utilize core clinical and medical science knowledge to solve patient cases. Using critical thinking and problem-solving abilities, students will review, and discuss patient cases then assimilate information to select appropriate physical examination and history components, and to develop diagnostic workups, differential diagnosis, working diagnoses, and complete treatment plans. Through this course students will practice the ordering and interpreting laboratory and diagnostic studies in the evaluation of patient cases. This course will assist students in applying clinical medicine in a sufficient breadth and depth to be prepared for the clinical practice of medicine. Students will also be required to use interpersonal and communication skills to demonstrate the effective exchange information and the ability to collaborate with patients, families, and other health care professionals through written documentation and oral presentation of data. Learning objectives in this course align with the learning objectives for the different body system modules covered in the Essentials of Clinical Medicine course.

**PAS524 Essentials of Clinical Medicine III** (12 credit hours) This is the third course in a series of three courses where students will learn clinical medicine by comprehensively studying each body system in a modular format. Each systems-based module addresses the anatomy, pathophysiology, etiology, clinical presentation, abnormal physical diagnosis examination and findings, patient evaluation, diagnostic workup, clinical procedures, preventative care, diagnosis, differential diagnosis, and complete treatment plan (including pharmacotherapeutics, referrals, health maintenance, and patient education) for acute, chronic, emergent, genetic, oncologic, and surgical conditions involving that body system. Learning modules in this course include the musculoskeletal learning module, the pulmonary learning module, the genitourinary and reproductive learning module, the neurologic learning module, and the psychiatric and behavioral learning module. Learning objectives in this course align with the learning objectives for the clinical integration course. Material is presented primarily in lecture, case studies, anatomy laboratory and case study sessions, physical diagnosis laboratory sessions, and clinical skill laboratory sessions. Students will be assessed primarily by multiple choice examinations, anatomy practicals, and by achieving baseline competency in completing clinical skills needed to care for that body system.

## PA Program Tampa Semester 4 Course Descriptions

**During Semester 4 Students will be enrolled in three of the required medical rotation courses in addition to taking:**

**PAS642 Transition to Clinical Practice (4 credit hours)** This course is designed to facilitate the student's transition from the didactic year to the clinical year. It reintroduces students to and tests for competency on a variety of clinical procedures and physical exams that will be utilized throughout clinical rotations. Review of knowledge gained during previous didactic year coursework will be applied to clinical scenarios. Students will be provided with an overview of administrative tasks and expectations required during the second year. Aspects of the business side of healthcare will be studied including coding and billing, documentation of care, health care delivery systems, and health policy. Clinical topics covered will include the navigation of hospital systems, provision of surgical (pre-intra/post operative) care, emergency department care, ambulatory care, rehabilitative care, and telemedicine. Medicolegal issues covered will include patient privacy, patient safety, prevention of medical errors, quality improvement, professional conduct, laws and regulations regarding professional practice and conduct, and risk management. The American Heart Association Basic Life Support Cardiopulmonary Resuscitation for Healthcare Providers and Advance Cardiac Life Support Courses are also included in this course.

**SPAN504 Medical Spanish I (1 Credit Hour)** This is a self-paced course that allows students to focus on applying medical Spanish to various patient clinical interaction scenarios. It emphasizes commonly used medical terminology and the language structure used to communicate with Spanish speaking patients in different clinical settings. It provides practice and assessment of the basic Spanish knowledge necessary for students to communicate with Spanish speaking patients as well as increasing the understanding of different aspects of Latino culture that impact patient care. Instruction is structured in self-paced learning modules organized by medical and clinical topics.

## PA Program Tampa Semester 5 Course Descriptions

**During Semester 5 Students will be enrolled in three of the required medical rotation courses in addition to taking:**

**PAS652 Midyear Clinical Evaluation (2.5 credit hours)** This course is designed to provide a midyear evaluation to the clinical year. It reintroduces students to and tests for competency on a variety of clinical skills that will be utilized throughout the remainder of clinical rotations. It also instructs on medicolegal issues including healthcare policy affecting PAs and PA certification and licensure. Students will have a midyear mock summative evaluation that includes simulated case scenarios and a written examination. Students will be led through the process of self-evaluation for weaknesses and strengths in order to best focus studies throughout the remainder of the year. Students will also present clinical cases and evidence-based research studies that they have completed through the first half of clinical rotations.

**PAS653 Service to Populations in Need (2.5 credit hours)** This course will allow students to further develop social and cultural communication skills through participation in a two-week volunteer experience serving underserved populations. Students will learn through guided questions and self-reflection about socioeconomic disparities, social determinants of health, and cultural sensitivity. Students will be required to interact in a professional, respectful, and culturally competent manner with all persons they encounter during their volunteer experiences. Students will be assessed by written assignments and mentor evaluations.

**SPAN505 Medical Spanish II (1 Credit Hour)** This is the second in the series of three self-paced courses that allow students to focus on applying medical Spanish to various patient clinical interaction scenarios. It emphasizes commonly used medical terminology and the language structure used to communicate with Spanish speaking patients in different clinical settings. It provides practice and assessment of the basic Spanish knowledge necessary for students to

communicate with Spanish speaking patients as well as increasing the understanding of different aspects of Latino culture that impact patient care. Instruction is structured in self-paced learning modules organized by medical and clinical topics.

### **PA Program Tampa Semester 6 Course Descriptions**

**During Semester 6 Students will be enrolled in three of the required medical rotation courses in addition to taking:**

**PAS662 Clinical Conference/ Clinical Practice Final Evaluation (4 credit hours)** The end of clinical year conference provides PANCE preparation instruction as well as a summative evaluation of the student. Students will be introduced to skills needed to promote provider wellness and to recognize and prevent provider impairment and burnout. The course consists of lectures, assessments, and student presentations. It is designed to gauge the student's readiness for the Physician Assistant National Certifying Examination (PANCE), as well as clinical practice. Students will also be instructed on leadership opportunities in the PA profession, credentialing, compliance with laws and regulations regarding professional practice, PA licensure and certification, and conduct, and current policy issues that affect PA practice. Graded components include individual performance during a primary care-based standardized patient examination, documentation of the encounter, and a comprehensive summative exam. A series of summative program evaluations will verify that each student has met program competency in: clinical and technical skills, clinical reasoning and problem-solving skills, interpersonal skills, medical knowledge, and professional behaviors. The course concludes with the submission of capstone coursework representing the scholarly work students have engaged in throughout their time in the PA program.

**SPAN506 Medical Spanish III (1 Credit Hour)** This is the third in a series of three self-paced courses that allow students to focus on applying medical Spanish to various patient clinical interaction scenarios. It emphasizes commonly used medical terminology and the language structure used to communicate with Spanish speaking patients in different clinical settings. It provides practice and assessment of the basic Spanish knowledge necessary for students to communicate with Spanish speaking patients as well as increasing the understanding of different aspects of Latino culture that impact patient care. Instruction is structured in self-paced learning modules organized by medical and clinical topics.

### **PA Program Tampa Clinical Year Capstone Course Descriptions**

**PAS663 Evidence Based Medical Practice and Professional Development (3 credit hours)** In this course, students will apply evidence-based medicine to clinical practice and will obtain the skills necessary to pursue a lifetime of learning through examination and evaluation of current medical literature. Students will search, interpret, and evaluate the medical literature, to answer clinical questions encountered upon rotations and apply their findings to individualized patient care. The course will involve the application of the most current medical knowledge to the prevention, diagnostic evaluation, and treatment of patients. The course will also help students develop the skills needed to attain self-awareness and the ability to self-critique their own clinical skills and abilities to set goals for continuous improvement and ongoing professional development.

## PA Program Tampa Clinical Rotation Course Descriptions

1. **PAS623 Primary Care I Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for acute and chronic conditions and preventative care in the primary care setting. Students will evaluate and assist with the oversight of patients' medical needs and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
2. **PAS624 Primary Care II/ Selective Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for acute and chronic conditions and preventative care in various primary care and selective specialty settings. Students will evaluate and assist with the oversight of patients' medical needs and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
3. **PAS627 Family Medicine Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for acute and chronic conditions and for preventative care in family medicine settings. Students will actively participate in the delivery of primary care services to the whole family, to meet the medical needs of newborns, children, adults, and seniors. Students will also evaluate and assist in the longitudinal management of patients with chronic conditions and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
4. **PAS628 Internal Medicine Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to seeking care for acute and chronic conditions and for preventative care in outpatient and/or inpatient internal medicine settings. Students will evaluate and assist in the longitudinal management of patients with multiple chronic conditions and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
5. **PAS629 Surgery Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for surgical conditions in various surgical settings. Students will participate in preoperative, intra-operative, and post-operative patient care and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
6. **PAS632 Women's Health Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for acute and chronic gynecologic conditions, prenatal care, and for preventative women's health care. Students will evaluate and assist in the longitudinal management of patients with gynecological conditions and have the opportunity to apply the knowledge and skills they learned during the Didactic phase of the Program to patient encounters.
7. **PAS633 Pediatric Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provide students with exposure to infants, children, and adolescents brought in for the care of acute and chronic conditions and preventative care in the outpatient pediatric clinical setting. Students will have the opportunity to apply knowledge and skills learned during the Didactic phase of the Program to patient encounters and develop Graduate Competencies.
8. **PAS626 Behavioral Medicine Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for behavioral and mental health conditions. Students will have the opportunity to apply knowledge and skills learned during the Didactic phase of the Program to patient encounters and develop Graduate Competencies.
9. **PAS634 Emergency Medicine Clinical Rotation (4 credit hours)** This 4-week supervised clinical practice experience under the supervision of a clinical preceptor provides students with exposure to patients seeking care for acute and emergent conditions in the emergency department setting. Students will have the opportunity to apply knowledge and skills learned during the Didactic phase of the Program to patient encounters and develop Graduate Competencies.