



PHYSICIAN ASSISTANT PROGRAM

Saint Louis University Doisy College of Health Sciences
Department Clinical Health Sciences

Physician Assistant Course Catalog

Course Number	Course Name	Course Description
ANAT 5050	Human Gross Anatomy	ANAT 5050 - Human Gross Anatomy Credit(s): 6 Credits This course is a highly in-depth and clinically oriented study of the structure of the human body emphasizing anatomical concepts and relationships relevant to physician assistants. The course instructional format consists of a combined attribute of lecture and laboratory sessions. Cadaver dissection is required. Must be enrolled in the Physician Assistant Program in Doisy College Health Sciences.
BLS 5125	Introduction to Clinical Laboratory Medicine	BLS 5125 - Introduction to Clinical Laboratory Medicine Credit(s): 3 Credits The purpose of the course is to discuss the most common laboratory tests ordered, performed, and interpreted in the areas of Clinical Chemistry, Hematology, Immunology, Transfusion Medicine (Blood Bank), Hemostasis, Medical Microbiology, and Urinalysis. Discussions will include the purpose of each test, test ordering practices, relationship to disease pathophysiology, result interpretation, and how test results are included in diagnostic algorithms. Physician Assistant majors only. Restrictions: Enrollment limited to students in the Master of Medical Science program.
PAED 5010	Professional & Psychosocial Issues of Physician Assistant Practice	PAED 5010 - Professional & Psychosocial Issues of Physician Assistant Practice Credit(s): 3 Credits This course explores the PA profession and potential issues inherent in the PA health care provider role. It addresses the psychosocial dynamics of health care, personal biases that may impact the provision of patient care, and the fundamentals of health care delivery systems. It also explores the professional resources available to PAs, state and national PA

		organizations and their roles, as well as the various health professionals a PA may interact with as part of a team.
PAED 5040	Physiology	PAED 5040 - Physiology Credit(s): 4 Credits This is a comprehensive clinically-based human physiology course that covers all major systems of the human body. The course provides a depth and breadth of foundational knowledge that prepares students for further coursework examining pathophysiology, clinical manifestations of disease, and the diagnosis and treatment of patients.
PAED 5070	Principles of the Medical Interview	PAED 5070 - Principles of the Medical Interview Credit(s): 2 Credits This course focuses on the medical interview as a clinical skill. The various components of the medical history are presented as well as techniques for effective medical interviewing. Communication with patients and building rapport are examined as essential components. Students also learn medical documentation skills and are introduced to oral patient presentations. Fundamental medical terminology is explored as is the impact of medical genetics on the patient history.
PAED 5110	Dermatology Fundamentals	PAED 5110 - Dermatology Fundamentals Credit(s): 2 Credits This course encompasses the pathophysiologic basis of dermatologic disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal dermatologic anatomy and physiology, progresses through pathophysiology and the clinical features of disease both local and systemic, and focuses on patient evaluation, differential diagnosis, and treatment specific to dermatologic diseases.
PAED 5120	Hematology Fundamentals	PAED 5120 - Hematology Fundamentals Credit(s): 2 Credits This course encompasses the pathophysiologic basis of hematologic disorders and their clinical manifestations. It explores system-based medical history and physical exam as well

		as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal anatomy and physiology related to the hematologic system, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to hematologic diagnoses.
PAED 5130	Otorhinolaryngology and Ophthalmology Fundamentals	PAED 5130 - Otorhinolaryngology and Ophthalmology Fundamentals Credit(s): 3 Credits This course encompasses pathophysiology involving the head, eyes, ears, nose, and throat. It includes the clinical manifestations of disease and explores the system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to diagnoses of the head, eyes, ears, nose, and throat.
PAED 5150	Clinical Pharmacology I	PAED 5150 - Clinical Pharmacology I Credit(s): 2 Credits This is the first of two clinically-based pharmacology courses covering the fundamentals of system-based pharmacokinetics and pharmacodynamics with an emphasis on pharmacotherapy. It explores essential physiology and pathophysiology and focuses on appropriate medications for the treatment of various clinical conditions. There is an emphasis on the mechanism, absorption, metabolism, excretion, and toxicity of the major classes of drugs used in medicine, as well as pharmacotherapy for common medical problems.
PAED 5201	Clinical Pharmacology II A	PAED 5201 - Clinical Pharmacology II A Credit(s): 1 Credit This is a continuation of Clinical Pharmacology I and is a clinically-based pharmacology courses covering the fundamentals of system-based pharmacokinetics and pharmacodynamics with an emphasis on pharmacotherapy. It explores essential physiology and pathophysiology and focuses on appropriate medications for the treatment

		<p>of various clinical conditions. There is an emphasis on the mechanism, absorption, metabolism, excretion, and toxicity of the major classes of drugs used in medicine, as well as pharmacotherapy for common medical problems.</p> <p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5202	Clinical Pharmacology II B	<p>PAED 5202 - Clinical Pharmacology II B Credit(s): 1 Credit</p> <p>This is a continuation of Clinical Pharmacology IA and is a clinically-based pharmacology courses covering the fundamentals of system-based pharmacokinetics and pharmacodynamics with an emphasis on pharmacotherapy. It explores essential physiology and pathophysiology and focuses on appropriate medications for the treatment of various clinical conditions. There is an emphasis on the mechanism, absorption, metabolism, excretion, and toxicity of the major classes of drugs used in medicine, as well as pharmacotherapy for common medical problems.</p> <p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5211	Pulmonary Fundamentals I	<p>PAED 5211 - Pulmonary Fundamentals I Credit(s): 2 Credits</p> <p>This course encompasses the pathophysiologic basis of pulmonary disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal pulmonary/respiratory anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to pulmonary diagnoses. Course content continues in Pulmonary Fundamentals II.</p> <p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5212	Pulmonary Fundamentals II	<p>PAED 5212 - Pulmonary Fundamentals II Credit(s): 1 Credit</p>

		<p>This course is a continuation of Pulmonary Fundamentals I. It encompasses the pathophysiologic basis of pulmonary disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal pulmonary/respiratory anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to pulmonary diagnoses.</p> <p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5221	Cardiovascular Fundamentals I	<p>PAED 5221 - Cardiovascular Fundamentals I Credit(s): 2 Credits</p> <p>This course encompasses the pathophysiologic basis of cardiovascular disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal cardiovascular anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to cardiovascular diagnoses. Course content continues in Cardiovascular Fundamentals II.</p> <p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5222	Cardiovascular Fundamentals II	<p>PAED 5222 - Cardiovascular Fundamentals II Credit(s): 2 Credits</p> <p>This course is a continuation of Cardiovascular Fundamentals I. It encompasses the pathophysiologic basis of cardiovascular disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal cardiovascular anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to cardiovascular diagnoses.</p>

		<p>Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5231	Gastroenterology Fundamentals I	<p>PAED 5231 - Gastroenterology Fundamentals I Credit(s): 1 Credit The Gastrointestinal/Nutrition (GIN) course provides an integrated approach to understanding the pathophysiologic basis of gastrointestinal, hepatic and nutritional disorders as well as the pharmacological rationale for their therapy. At the same time, students are introduced to the clinical approach to these disorders, including physical examination, clinical, laboratory, and radiographic findings. Restrictions: Enrollment limited to students in a Master of Medical Science degree.</p>
PAED 5240	Nephrology and Genitourinary Fundamentals	<p>PAED 5240 - Nephrology and Genitourinary Fundamentals Credit(s): 3 Credits This course encompasses the pathophysiologic basis of genitourinary and renal disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal genitourinary and renal anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to genitourinary and renal diagnoses.</p>
PAED 5250	Endocrinology Fundamentals	<p>PAED 5250 - Endocrinology Fundamentals Credit(s): 3 Credits This course encompasses the pathophysiologic basis of endocrine disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal endocrine anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to endocrine diagnoses.</p>

PAED 5300	Evidence-Based Medicine	<p>PAED 5300 - Evidence-Based Medicine Credit(s): 2 Credits</p> <p>This course introduces the concepts of evidence-based medicine using a patient-oriented approach. It examines tools and techniques for effective and in-depth medical database searches using reputable resources. It also explores clinical questions within a well-built framework and evaluation of articles related to therapy, diagnosis, and prognosis. Basic statistics are reviewed to assist in the assessment of publications and research studies, and exercises are designed to critically review the relevance and validity, including the statistical significance, of results.</p>
PAED 5310	Orthopedics and Rheumatology Fundamentals	<p>PAED 5310 - Orthopedics and Rheumatology Fundamentals Credit(s): 3 Credits</p> <p>This course encompasses the pathophysiologic basis of musculoskeletal disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal musculoskeletal anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to rheumatologic and orthopedic diagnoses.</p>
PAED 5320	Neurology Fundamentals	<p>PAED 5320 - Neurology Fundamentals Credit(s): 3 Credits</p> <p>This course encompasses the pathophysiologic basis of neurological disorders and their clinical manifestations. It explores system-based medical history and physical exam as well as the complexities of patient assessment, treatment, and management. Within this it also addresses appropriate laboratory tests, imaging, and other diagnostics to be ordered and interpreted. Content includes normal neurologic anatomy and physiology, progresses through pathophysiology and the clinical features of disease, and focuses on patient evaluation, differential diagnosis, and treatment specific to neurology diagnoses.</p>
PAED 5330	Essentials of Surgery	<p>PAED 5330 - Essentials of Surgery Credit(s): 2 Credits</p>

		<p>This course focuses on didactic preparation for the required surgery clerkship. It explores the clinical discipline of surgery, the fundamentals of surgical disease, and the care of patients and families affected by this. Pathophysiology, clinical manifestations, and appropriate management of patients with major and minor surgical conditions are emphasized. It examines basic operating room etiquette, surgical techniques, and surgical procedures. The course covers medical/surgical history and physical exam, appropriate laboratory tests, imaging, and other diagnostics, differential diagnosis, pre- and post-operative management, skills for assisting in the operating room, and treatment used in the surgical patient.</p>
PAED 5340	Essentials of Emergency Medicine	<p>PAED 5340 - Essentials of Emergency Medicine Credit(s): 2 Credits</p> <p>This course focuses on didactic preparation for the required emergency medicine clerkship. It explores the clinical discipline of emergency medicine, the fundamentals of acute, urgent, and emergent patient care and those affected by this. Pathophysiology, clinical manifestations, and appropriate patient management are emphasized. It covers patient history and physical exam, emergency patient evaluation, appropriate laboratory tests, imaging, and other diagnostics, differential diagnosis, and treatment used in patients in the acute/urgent/emergent setting.</p>
PAED 5360	Essentials of Pediatrics	<p>PAED 5360 - Essentials of Pediatrics Credit(s): 2 Credits</p> <p>This course focuses on didactic preparation for the required pediatric clerkship. It explores the clinical discipline of pediatrics, the fundamentals of pediatric disease, and the care of patients and families affected by this. The physical and psychological fundamentals of normal growth and development are emphasized as well as pathophysiology, clinical manifestations, and appropriate management of the pediatric patient. It covers patient history and physical exam, appropriate laboratory tests, imaging, and other diagnostics, differential diagnosis, pediatric health maintenance, immunization schedules, anticipatory guidance, and treatment used in the pediatric population.</p>
PAED 5370	Essentials of Behavioral Medicine	<p>PAED 5370 - Essentials of Behavioral Medicine Credit(s): 2 Credits</p>

		<p>This course focuses on didactic preparation for the required behavioral health/psychiatry clerkship. It explores the clinical discipline of psychiatry, the fundamentals of psychology, behavioral health, and mental illness, and the care of patients and families affected by this. The effect of society on behavior is explored as well as pathophysiology, clinical manifestations, and appropriate management of the psychiatric/behavioral health patient. It covers patient history and physical exam, mental health evaluation, appropriate laboratory tests, imaging, and other diagnostics, differential diagnosis, and treatment used in the behavioral health/psychiatric population.</p>
PAED 5380	Essentials of Obstetrics and Gynecology	<p>PAED 5380 - Essentials of Obstetrics and Gynecology Credit(s): 2 Credits</p> <p>" This course focuses on didactic preparation for the required obstetrics/gynecology/women's health clerkship. It explores the clinical discipline of obstetrics and gynecology, the fundamentals of obstetrical and gynecological disease, and the care of patients and families affected by this. Normal physiology and women's wellness and health maintenance are explored along with pathophysiology, clinical manifestations, and appropriate women's health patient management. It covers patient history and physical exam, appropriate laboratory tests, imaging, and other diagnostics, differential diagnosis, and labor and delivery basics.</p>
PAED 5400	Clinical: Internal Medicine	<p>PAED 5400 - Clinical: Internal Medicine Credit(s): 4 Credits</p> <p>This clerkship involves active participation in patient care in outpatient and/or inpatient adult internal medicine. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in internal medicine. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the internal medicine team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
PAED 5420	Clinical: Family Medicine	<p>PAED 5420 - Clinical: Family Medicine Credit(s): 4 Credits</p>

		<p>This clerkship involves active participation in primary care across the lifespan in outpatient/ambulatory family practice settings. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes, and therapeutics in family medicine. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the primary care team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
PAED 5510	Clinical: Surgery	<p>PAED 5510 - Clinical: General Surgery Credit(s): 4 Credits</p> <p>This clerkship involves active participation in general surgery to include pre-operative, operative, and post-operative patient care. It is a hands-on experience that emphasizes surgical skills, patient history, physical exam, assessment, and plan within a framework of disease processes, and therapeutics in surgery. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the surgical team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
PAED 5600	Clinical: Pediatrics	<p>PAED 5600 - Clinical: Pediatrics Credit(s): 3 Credits</p> <p>This clerkship involves active participation in patient care in pediatrics to include newborn assessment, well-baby/child care, pediatric health maintenance and parent counseling. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in pediatric medicine. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the pediatric team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>

<p>PAED 5700</p>	<p>Clinical: Behavioral Medicine</p>	<p>PAED 5700 - Clinical: Behavioral Medicine Credit(s): 3 Credits This clerkship involves active participation in patient care in an outpatient and/or inpatient psychiatric/behavioral medicine setting. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in psychiatry/behavioral health. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the behavioral medicine/psychiatric team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
<p>PAED 5750</p>	<p>Clinical: Obstetrics, Gynecology and Women's Health</p>	<p>PAED 5750 - Clinical: Obstetrics, Gynecology and Women's Health Credit(s): 3 Credits This clerkship involves active participation in patient care in obstetrics/gynecology/women's health to include prenatal, postpartum, and general gynecologic care. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in women's health. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the ob/gyn team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
<p>PAED 5800</p>	<p>Clinical: Emergency Medicine</p>	<p>PAED 5800 - Clinical: Emergency Medicine Credit(s): 4 Credits This clerkship involves active participation in patient care in emergency medicine with an emphasis on precise and timely diagnosis and emergency management. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes, potential trauma, and therapeutics in emergency medicine. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the emergency medicine team. It further explores medical</p>

		documentation, oral patient presentation, and all aspects of patient management and treatment.
PAED 5860	Clinical: Evidence-Based Medicine Clerkship	<p>PAED 5860 - Clinical: Evidence-Based Medicine Clerkship Credit(s): 4 Credits</p> <p>This clerkship involves active participation in patient care in a clinical discipline of the student's choice as well as a critical review of the medical literature based on a clinical question appropriate to the patient population of the practice. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in the chosen specialty. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the health care team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
PAED 5930	Clinical: Elective	<p>PAED 5930 - Clinical: Elective Credit(s): 4 Credits</p> <p>This clerkship involves active participation in patient care in a clinical discipline of the student's choice as well as preparation for a grand rounds presentation. It is a hands-on experience that emphasizes patient history, physical exam, assessment, and plan within a framework of disease processes and therapeutics in the chosen specialty. It includes determination of which labs, imaging, and diagnostics to order, interpreting those results, and understanding their impact on the differential diagnosis. The focus is on effective and meaningful patient interaction, and functioning as an essential part of the health care team. It further explores medical documentation, oral patient presentation, and all aspects of patient management and treatment.</p>
PAED 6000	Graduate Seminar (taken over two semesters)	<p>PAED 6000 - Graduate Seminar Credit(s): 1 Credit (Repeatable for credit)</p> <p>This course further explores national certification, state licensure, the job search, employment issues, and other topics related to preparation for the transition from student to health care provider. It encompasses the summative evaluation and it examines potential issues and requirements of practice as a PA in any specialty or setting.</p>

