

PHYSICAL THERAPY (PT)

PT 601 — Clinical Anatomy for Physical Therapists

This course provides a comprehensive consideration of human anatomy using a regional approach to the human body that is designed for the training of clinicians. The course will cover regional, gross, and clinical anatomy of the pectoral and pelvic girdles, upper and lower extremities, neck and spine, thoracic, abdominal, and pelvic cavities. The emphasis is on function, topography, diagnostic imaging correlations, and clinical applications. Surface anatomy is examined and palpation skills are introduced, as well as more in-depth analysis of the peripheral nervous system and musculoskeletal system as they relate to clinical skills utilized by physical therapists.

8 credits

In-Person

PT 602 — Clinical Kinesiology

This course addresses the study of human movement with an emphasis on functional anatomy, biomechanics, mechanisms of injury, and the relationship of these concepts to examination of the musculoskeletal system. This course includes detailed information about osteokinematics, arthrokinematics, and accessory joint movements as it relates to the spine and upper and lower extremities. Examination of gait and posture are addressed, and students will integrate spinal function with static and dynamic posture, as well as during ambulation.

4 credits

In-Person

PT 603 — Differential Diagnosis for PT

This course addresses pathological conditions and their impact on physical therapy management. The course explores physiological function as related to homeostasis in body systems and the healing of body tissues. The course is primarily system-based and emphasizes: screening for clinical signs and symptoms of select patient disorders/diseases, the impact of pathology on physical function, the role of diagnostic testing, imaging, and pharmacology on pathological conditions, and the implications of the condition for physical therapy management.

4 credits

In-Person

PT 603G — Differential Diagnosis for PT

This course lays the foundation for an understanding of pathological conditions and their impact on physical therapy management. It begins with an exploration of the physiological function as related to homeostasis in body systems and healing of body tissues. The course is primarily system-based and emphasizes screening for clinical signs and symptoms [presentation] of select patient disorders/diseases, the impact of pathology on physical function, and implications for physical therapy management. The course will also include an introduction in basic principles of pharmacology for physical therapists in preparation for systems-based pharmacology and diagnostic courses.

4 credits

In-Person

PT 604A — Clinical Neuroscience I

This course, the first in a series of two courses, sets the stage for understanding human movement, motor control, and motor learning theory by exploring neuroanatomical structures and organization of the central and peripheral nervous systems. Exploration begins with consideration of how information is transferred within the nervous system (e.g., synaptic transmission) through discovery of motor and somatosensory pathways and how the pathways interact to produce movement. Consideration is also given to mechanisms of pain transmission and modulation. Muscle tone, reflexes, and reactions in relation to normal and pathological nervous system function and dysfunction will be introduced.

3 credits

In-Person

PT 604B — Clinical Neuroscience II

This course, the second in the neuroscience series, builds on the concepts and principles addressed in the first course by exploring the impact of vision, hearing, and vestibular function on human movement. The course also addresses higher-level functions, language and communication, memory and learning, emotions, neuroplasticity, development of the CNS, pain regulation, nervous system adaptations to pain, and the ability of the CNS to recover after injury. Neuroplasticity, motor learning, and motor control are presented in relation to common physical therapy interventions based on current evidence. A variety of clinical disorders in the neuromuscular system will be introduced.

3 credits

In-Person

PT 605A — Foundations of Clinical Interventions I: Therex

This course explores evidenced-based and underlying physiological principles for developing and modifying exercise prescriptions that address range of motion, flexibility, strength, endurance, power, aerobic capacity, and balance in healthy and ill populations across the lifespan.

3 credits

In-Person

PT 605B — Foundations of Clinical Interventions II: Modalities

This course explores the underlying principles and clinical applications of thermal, electrical, and mechanical modalities. An emphasis will be placed on problem-solving and patient education when using these and safety with appropriate clinical application of thermal, electrical, and mechanical modalities. Tissue healing timelines, indications, and contraindications will be considered in the assessment and appropriate application of traditional and emerging modalities.

3 credits

In-Person

PT 606 — Medical Terminology

This course focuses on the study of advanced medical vocabulary, prefixes, suffixes, word roots, abbreviations, and symbols using a systems approach. This course provides a study of words that pertain to body systems, anatomic structures, medical processes and procedures, and a variety of diseases. Emphasis is placed on spelling, definition, usage, and pronunciation.

1 credits

OnLine

PT 611A — Physical Therapy Exam I

This course focuses on developing basic examination knowledge and skills that physical therapists use to gather data and make decisions about diagnoses and prognoses to support the development of a plan of care. Knowledge and skills include developing a plan of care, obtaining a medical history, conducting a systems review, specific tests and measures including vital sign testing, tone/motor control and coordination, sensory integrity and peripheral reflexes, muscle strength, range of motion, muscle length, postural assessment, palpation, patient management, such as positioning and draping, and documentation.

5 credits

In-Person

PT 611B — Physical Therapy Exam II

This course continues examination and evaluation with added emphasis on functional ability and performance for patients. The course introduces medical monitoring devices, aseptic technique, and the use of universal precautions required for safe clinical practice in all settings. Relevant health status and contributing medical conditions are explored in relation to functional mobility and locomotion. The primary emphasis of examination includes assessment of balance and postural control for basic ADLs and function, bed mobility, wheelchair mobility, transfers, and gait, general progression of functional mobility training, and continued development of documentation skills. Educational/instructional methods are addressed, allowing for exploration of optimal teaching approaches that enhance patient adherence and retention of learning and optimize patient function in the clinical setting.

5 credits

In-Person

PT 612 — Cardio and Pulmonary Management

This course focuses on management of patients with cardiovascular and pulmonary dysfunction including comprehensive examination, evaluation and therapeutic interventions for cardiovascular/pulmonary patients. Physical therapy management for patients who are acutely ill with cardiac, pulmonary, or vascular disease and their progression through the continuum of care is addressed and medical, surgical and rehabilitative interventions are presented. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for cardiopulmonary conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

5 credits

In-Person

PT 612G — Cardio and Pulmonary Management

This course focuses on management of patients with cardiovascular and pulmonary dysfunction. The major emphasis is on comprehensive examination, evaluation and therapeutic interventions for cardiovascular/pulmonary patients, including those with integumentary, musculoskeletal and neuromuscular disorders. Physical therapy management for patients who are acutely ill with cardiac, pulmonary, or vascular disease and their progression through the continuum of care is also addressed. Pathologies presented are dealt with from the perspective of medical, surgical and rehabilitative interventions. Clinical pharmacology will be addressed and emphasize the impact of drugs used for cardiopulmonary conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the medical diagnosis. This course strengthens physical therapists clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, physician interaction, and skills for appropriate imaging referral.

5 credits

In-Person

PT 613 — Integumentary Management

This course examines the physical therapy management of patients with integumentary system disorders, wounds and burns. The pathophysiology of integumentary disorders across the lifespan is addressed in addition to the comprehensive physical therapy management of patients with related acute, sub-acute, and chronic integumentary diseases that require skilled and intermediate levels of medical care. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for integumentary conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

3 credits

In-Person

PT 613G — Integumentary Management

This course examines the physical therapy management of patients with integumentary system disorders, wounds and burns. The pathophysiology of integumentary disorders across the lifespan is addressed in addition to the comprehensive physical therapy management of patients with related acute, sub-acute, and chronic integumentary diseases that require skilled and intermediate levels of medical care. Clinical pharmacology is addressed and emphasizes the impact of drugs used for integumentary conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests discussed include lab values, imaging, and other studies related to the medical diagnosis. This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, physician interaction, and skills for appropriate imaging referral.

3 credits

In-Person

PT 614 — Intro to Pharmacology, Diagnostic Tests and Imaging

This course addresses clinical pharmacology, medical diagnostic tests, and imaging techniques with emphasis on primary drug classes and the physiologic basis of their action, examination of the beneficial and adverse effects of prescribed medication and the impact on rehabilitation, the relationship of lab values and other studies related to the medical diagnosis, and interpretation and application of specialized medical imaging information as it relates to the rehabilitation patient. This content will be integrated and expanded upon in the systems courses throughout the physical therapy curriculum.

3 credits

Hybrid

PT 615G — Clinical Interventions I

This course requires students to integrate foundational knowledge and skills for determining and implementing appropriate physical therapy interventions that address impairments in body structure/function, activity restrictions, and participation across the lifespan and continuum of care. The primary focus is on integrating functional training, and therapeutic exercise pertinent for individuals with advanced integumentary disorders, cardiovascular and pulmonary dysfunction. Principles of biophysical and electrical agent will also be presented and emphasis will be on application of these modalities for individuals w/ integumentary and cardiopulmonary disorders.

3 credits

In-Person

PT 621A — Principles of Evidenced-Based Practice

This course provides the foundation for the first and second steps of evidence-based practice (EBP): Ask and Acquire. Strategies for asking clinical questions and searching for evidence are addressed.

2 credits

In-Person

PT 621B — Components of Evidenced-Based Practice: Design & Statistics

This course provides the foundation for the third step of EBP, Appraise, by exploring various research designs and addressing analyses based on statistical description and inference. Principles of subject selection, sample size determination, and internal and external validity are addressed. Research designs are discussed in terms of the hierarchy of evidence. Common tests for significance are explored in terms of how the tests are performed and interpreted, as well as the appropriateness of specific tests based on the research question and design utilized.

3 credits

In-Person

PT 631 — Professional Engagement I: Introduction

This is the first in a three-course sequence in which students explore the responsibilities, principles, and values of the physical therapy profession. The history and future of the profession, scope of physical therapy practice, standards of care, core values, jurisprudence, and code of ethics will be discussed. The American Physical Therapy Association (APTA) Code of Ethics, Core Values, and Professional Behaviors will serve as the foundation for learning objectives related to communication, service delivery, and documentation in various patient care settings for diverse populations across the lifespan. The biopsychosocial model of healthcare is explored with an emphasis on providing holistic care to address the physical, emotional, social, and spiritual needs of patients/families. The governance of the recognized professional organization, the APTA, and the APTA-GA are examined and discussed in detail.

2 credits

In-Person

PT 631A — Professional Engagement I, Introduction

This is the first in a four-course sequence in which the knowledge, skills, and values in the physical therapy profession is explored. Students will explore the history and future of the profession, while being introduced to the scope of physical therapy practice, standards of care, core values, jurisprudence and code of ethics. The APTA Code of Ethics and Core Values documents related to the delivery of culturally competent physical therapy services, legal and ethical standards of practice will serve as the foundation for expectation of professional behaviors in communication and practice documentation within various patient care settings. Governance of the recognized professional organization, the American Physical Therapy Association, will also be explored and discussed in detail.

2 credits

In-Person

PT 631AG — Professional Engagement I, Introduction

This is the first in a four-course sequence in which the knowledge, skills, and values in the physical therapy profession is explored. Students will explore the history and future of the profession, while being introduced to the scope of physical therapy practice, standards of care, core values, jurisprudence and code of ethics. The APTA Code of Ethics and Core Values documents related to the delivery of culturally competent physical therapy services, legal and ethical standards of practice will serve as the foundation for expectation of professional behaviors in communication and practice documentation within various patient care settings.

Governance of the recognized professional organization, the American Physical Therapy Association, will also be explored and discussed in detail.

2 credits

In-Person

PT 631B — Professional Engagement II, Health Systems Interdisciplinary Collaboration

This course is designed to expose students to the tenets of the United States healthcare system, current physical therapy practice settings, and other key components of various healthcare delivery models, such as patient-centered medical homes and accountable care organizations. Students will investigate issues related to health disparities that exist as a consequence of race/ethnicity, age, or socioeconomic status and will be prepared to recognize the need for interprofessional collaboration and patient-centered practice to improve the effectiveness of healthcare and quality of life and health for those in need of social services. Through active interdisciplinary seminar discussion, students will address methods for implementing culturally competent care, improving health literacy, and addressing issues related to access to health systems.

2 credits

In-Person

PT 632G — Teaching and Learning

Basic educational principles of teaching and learning as applied to physical therapy practice and with respect to learning styles across diverse populations are explored in this course. A variety of instructional strategies will be utilized to prepare students to teach patients, family members, peers, and other health professionals. Implementation of current technology for effective education will be introduced.

2 credits

In-Person

PT 646 — Integrated Clinical Experience II

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 647 — Integrated Clinical Experience III

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 648 — Integrated Clinical Experience IV

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 649 — Integrated Clinical Experience V

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 711A — Musculoskeletal Management I

This course is the first in a two-part series focused on the management of patients with conditions affecting the musculoskeletal system. Emphasis is placed on pathological, medical, and surgical considerations, as well as physical therapy examination and intervention related to the upper quarter. Conditions addressed include trauma, degenerative changes, and overuse syndromes encountered in daily activities, recreation, sports, and work-related tasks. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for musculoskeletal conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

6 credits

In-Person

PT 711AG — Musculoskeletal Management I

This course is the first of a two-course sequence addressing the management of patients with problems of the musculoskeletal system. This course emphasizes the pathological, medical and surgical considerations, and physical therapy examination and intervention associated with the upper quarter in relation to trauma, degenerative changes, and overuse syndromes in daily activity, recreation, sports, and industry. Clinical pharmacology will be addressed and emphasize the impact of drugs used for musculoskeletal conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the medical diagnosis. This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, physician interaction, and skills for appropriate imaging referral.

6 credits

In-Person

PT 711B — Musculoskeletal Management II

This course is the second in a two-part series focused on the management of patients with conditions affecting the musculoskeletal system. Emphasis is placed on pathological, medical, and surgical considerations, as well as physical therapy examination and intervention related to the lower quarter. Conditions addressed include trauma, degenerative changes, and overuse syndromes encountered in daily activities, recreation, sports, and work-related tasks. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for musculoskeletal conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

6 credits

In-Person

PT 712AG — Pharmacology and Diagnostics, Musculoskeletal Disorders

This course addresses clinical pharmacology and medical diagnostic tests for patients with musculoskeletal disorders. The emphasis in pharmacology is on the impact of drugs used to treat these conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the medical diagnosis of musculoskeletal dysfunction. The impact of drugs based on age, gender, race, etc. will be addressed, as well as testing for conditions across the lifespan.

2 credits

In-Person

PT 712BG — Pharmacology and Diagnostics, Neuromuscular Disorders

This course addresses clinical pharmacology and medical diagnostic tests for patients with neuromuscular dysfunction. The emphasis in pharmacology is on the impact of drugs used to treat these conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the diagnosis of neurological disorders. The impact of drugs based on age, gender, race, etc. will be addressed, as well as testing for conditions across the lifespan.

2 credits

In-Person

PT 713 — Assistive Technology: P&O

This course focuses on the design and function of assistive technology to include 'specialty' wheelchairs, orthotics, prosthetics, and other technology designed to improve function. Students will explore various types of adaptive devices available and relate biomechanical principles and research evidence to recommend and effectively use assistive technology. The relationship between normal and pathologic gait in individuals who use orthotic and prosthetic devices will also be addressed. Comprehensive physical therapy management, which includes all elements of the patient/client management model will be emphasized for patients with amputation/lower limb loss.

3 credits

In-Person

PT 714AG — Clinical Interventions II

This course requires students to integrate foundational knowledge and skills for determining and implementing appropriate physical therapy interventions that address impairments in body structure/function, activity restrictions, and participation across the lifespan and continuum of care. Students will learn to implement functional activities progression, therapeutic exercise and proprioceptive neuromuscular facilitation, theory and application of dry needling, soft tissue mobilization, and the use of biophysical and electrical agents pertinent for patients with musculoskeletal disorders.

2 credits

In-Person

PT 714BG — Clinical Interventions III

This course requires students to integrate foundational knowledge and skills for determining and implementing appropriate physical therapy interventions to address impairments in body structure/function, activity restrictions, and participation across the lifespan and continuum of care for patients. Students will learn to implement therapeutic exercise and/or functional activities progression for patients with various body system impairments from acute injury to return to prior level of function across the lifespan. Therapeutic exercises, aquatic therapy, therapeutic activities, neuromuscular re-education exercises, and plyometrics will be addressed in detail across multiple patient populations.

2 credits

In-Person

PT 714CG — Clinical Interventions IV

This course requires students to integrate foundational knowledge and skills for determining and implementing appropriate physical therapy interventions that address impairments in body structure/function, activity restrictions, and participation across the lifespan and continuum of care for patients with neurological health conditions and other special populations in physical therapy. Students will learn to implement functional activities progression, therapeutic exercise, manual interventions, and biophysical agents on patients with neurologic disorders and special populations. Interventions will also include as appropriate proprioceptive neuromuscular facilitation, body-weight support, constraint-induced therapy, and functional electrical stimulation

1, 2 credits

In-Person

PT 714G — Clinical Interventions II

This course requires students to integrate foundational knowledge and skills for determining and implementing appropriate physical therapy interventions that address impairments in body structure/function, activity restrictions, and participation across the lifespan and continuum of care. The primary focus is on functional training, (gait training, bed mobility, etc.) and therapeutic exercise pertinent for individuals with advanced integumentary disorders, cardiovascular, and pulmonary dysfunction. Principles of biophysical and electrical agent will also be presented and emphasis will be on application of these modalities for individuals with integumentary and cardiopulmonary disorders.

2 credits

In-Person

PT 715A — Neuromuscular Management I

This course is the first of a two-course sequence addressing the management of patients with neuromuscular disorders with primary emphasis on birth to adolescence. This course focuses on the pathological, medical and surgical considerations, and physical therapy management for patients with congenital and developmental abnormalities, and acquired neuromuscular disorders. Clinical pharmacology will be addressed and emphasize the impact of drugs used for neuromuscular conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the medical diagnosis. This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, physician interaction, and skills for appropriate imaging referral.

6 credits

In-Person

PT 715B — Neuromuscular Management II

This course is the second of a two-course sequence addressing the management of patients with neuromuscular disorders. This course focuses on the pathological, medical and surgical considerations, and physical therapy management for patients with neurological disorders after adolescence throughout adulthood. Contemporary concepts of motor control, as well as more traditional neurodevelopmental approaches, are explored. Clinical pharmacology will be addressed and emphasize the impact of drugs used for neuromuscular conditions on physical therapy patient management, including recognition of adverse reactions. Diagnostic tests will include lab values, imaging, and other studies related to the medical diagnosis. This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, physician interaction, and skills for appropriate imaging referral.

6 credits

In-Person

PT 716 — Complex Multi System Disorders

This course integrates knowledge and skills learned throughout the curriculum with application to physical therapy management of patients with complex multi-systems pathologies. Clinical manifestations of disease are correlated with pathology and pathophysiology, the impact of complex health conditions on prognosis for case-scenarios is addressed, and the consequences of multi-system involvement on functional ability and participation in life is presented. The course explores all aspects of healthcare management, including diagnostic & pharmacological management of problems, and the need for interprofessional collaboration and patient-centered care to enhance quality of life.

5 credits

In-Person

PT 716G – Complex Multi System Disorders

This course offers students' the opportunity to advance and integrate knowledge and skills learned throughout the curriculum with application to physical therapy management of patients with complex multi-systems pathologies. Clinical manifestations of disease will be correlated with pathology and pathophysiology, and emphasizes the impact of complex health conditions on prognosis for case-scenarios addressed, and the consequences of multi-system involvement on functional ability and participation in life. Students will be required to explore all aspects of healthcare management, including diagnostic & pharmacological management of problems, and the need for interprofessional collaboration and patient-centered care to enhance quality of life.

4 credits

In-Person

PT 717A – NeuroRehabilitation I

This course is the first of a two-course sequence addressing the management of patients with neuromuscular disorders. This course focuses on the pathological, medical and surgical considerations, and physical therapy management for patients with neurological disorders after adolescence throughout adulthood. Contemporary concepts of motor control, as well as more traditional neurodevelopmental approaches, are explored. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for neuromuscular conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

6 credits

In-Person

PT 717B – NeuroRehabilitation II

This course is the second of a two-course sequence addressing the management of patients with neuromuscular disorders with primary emphasis on birth to adolescence. This course focuses on the pathological, medical and surgical considerations, and physical therapy management for patients with congenital and developmental abnormalities, and acquired neuromuscular disorders. The course also includes clinical pharmacology, with a focus on the implications of commonly prescribed medications for neuromuscular conditions and their impact on physical therapy management, including recognition of potential adverse effects. Diagnostic testing relevant to medical diagnosis, including laboratory values, imaging, and other studies will be considered. Through this course, students will further develop clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, collaboration with other healthcare providers, and appropriate referral.

5 credits

In-Person

PT 731 – Professional Engagement II, Healthcare and Practice Management

The second course in this series is designed to advance student's knowledge of the policy, legal and ethical aspects of physical therapy practice management including marketing/budgeting, supervision of staff, personnel development, quality improvement, and federal guidelines concerning the Americans with Disabilities Act within the scope of practice of physical therapy. The business aspects of healthcare, application and documentation of processes for reimbursement are investigated within current physical therapy practice settings. Social responsibility and advocacy for legislative change to state and federal regulations related to the provision of health care services are discussed. This course addresses health literacy and community partnerships; issues related to cost, access and quality of healthcare; health disparities in varied populations across the lifespan; recognizing the need for interprofessional collaboration; and patient-centered practice to improve effectiveness of healthcare and quality of life.

3 credits

In-Person

PT 731G – Psychosocial Aspects of Health Management

Psychosocial aspects of health management essential for recognizing and responding to reactions of patients, family, and therapists to behavioral and mental illness, cognitive and physical disorders, and catastrophic illness are the focus of this course. Students will explore constructs of 'identity [self]' related to 'healthy' human development and wellness across the lifespan. Values, moral and ethical belief systems of various groups of people—across age, race, culture, sexual orientation, and socioeconomic status – will be examined with respect to influences on physical, psychosocial, and cultural aspects of an individual's growth and development. The role and responsibilities of physical therapists, health care team members, and advocacy groups in facilitating adjustment to illness and disability are discussed.

3 credits

In-Person

PT 732G – Professional Engagement III, Practice Management Policy and Ethics

The third course in this series is designed to advance student's knowledge of policy, legal and ethical aspects of physical therapy practice management including: marketing/ budgeting, supervision of staff, personnel development, quality improvement and federal guidelines concerning the Americans with Disabilities Act within the scope of practice of physical therapy. The business aspects of healthcare, application and documentation of processes for reimbursement will be investigated. Social responsibility and advocacy for legislative change to state and federal regulations related to the provision of health care services will be discussed.

2 credits

In-Person

PT 733G — Professional Engagement IV, Lifelong Commitment

In this final course in the series, students will formulate a 'professional development plan' for continued professional engagement in physical therapy and other health care organizations. Students will assess their professional growth since entry into the program and will complete program outcomes surveys and other requirements for graduation. Mechanisms for seeking out community resources, mentors, networking in professional organizations and ways to foster the student's future role of becoming a clinical instructor will be emphasized. Developing skills needed to successfully secure licensure as a PT and preparation for National Physical Therapy Examination will be completed.

1 credits

OnLine

PT 741 — Clinical Experience I

This 8-week clinical experience is the first in a three-part clinical practice series and follows successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to apply foundational knowledge and skills learned in the program. The experience will take place in a variety of settings reflective of current physical therapy practice. Students will practice under the direct supervision of a licensed practicing clinician.

8 credits

In-Person

PT 741G — Clinical Experience I

This 8-week clinical experience is the first in a three-part clinical practice series and follows successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to apply foundational knowledge and skills learned in the program. The experience will take place in a variety of settings reflective of current physical therapy practice. Students will practice under the direct supervision of a licensed practicing clinician.

8 credits

In-Person

PT 742 — Integrated Clinical Experience II

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 742AG — Clinical Experience II

This 10-week clinical experience is the second in a three-part clinical practice series and follows successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to advance their clinical application of knowledge and skills learned in the first two years of the program. The experience will take place in a variety of settings where the student will practice under the direct supervision of a licensed practicing clinician. Students are expected to achieve a minimum "Global Rating" level of 4 on a scale of 0-10 and demonstrate Professional Behavior standards at a minimum of 'always (100%)' on the Clinical Internship Evaluation Tool by the end of this experience.

13 credits

In-Person

PT 742BG — Clinical Experience III

This 13-week clinical internship is sequential to Clinical Internship II where placement will continue either within the same setting or in a new setting for adequate exposure to a variety of physical therapy clinical and community practice settings. This internship is designed for students to gain greater proficiency and synthesis of clinical skills and clinical reasoning learned across all years of the DPT program. Under the direct supervision by qualified physical therapists, students will demonstrate the ability to make sound clinical decisions for management of patient problems in a moderately paced environment.

13 credits

In-Person

PT 742G — Clinical Experience II

This 10-week clinical experience is the second in a three-part clinical practice series and follows successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to advance their clinical application of knowledge and skills learned in the first two years of the program. The experience will take place in a variety of settings where the student will practice under the direct supervision of a licensed practicing clinician. Students are expected to achieve a minimum "Global Rating" level of 4 on a scale of 0-10 and demonstrate Professional Behavior standards at a minimum of 'always (100%)' on the Clinical Internship Evaluation Tool by the end of this experience.

10 credits

Lecture

PT 743 — Integrated Clinical Experience III

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 743G — Clinical Experience III

This 14-week clinical experience is sequential to Clinical Internship III where placement will either continue within a similar or new setting for adequate exposure to a variety of physical therapy clinical and community practice settings. This experience is designed for students to gain greater proficiency and synthesis of clinical skills and clinical reasoning learned across all years of the DPT program. Under the direct supervision by qualified physical therapists, students will demonstrate the ability to make sound clinical decisions for management of patient problems in a moderately paced environment. Students are expected to achieve a minimum "Global Rating" level of 5 on a scale of 0-10 and demonstrate Professional Behavior standards at a minimum of 'always (100%)' on the Clinical Internship Evaluation Tool by the conclusion of this experience.

14 credits

In-Person

PT 744 — Integrated Clinical Experience IV

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 745 — Integrated Clinical Experience V

This course provides students with the opportunity to apply knowledge gained through previously completed coursework and to develop clinical reasoning skills and professional communication. Students will participate in multiple clinical simulation experiences and/or clinical observations, allowing repeated opportunities to practice patient examination and evaluation, establish a plan of care, make intervention decisions, and document patient care.

1 credits

In-Person

PT 831 — Professional Engagement III, Lifelong Learning

The final course in the series presents the development of a plan for continued professional engagement in physical therapy and other healthcare organizations, assessment of professional growth, life-long learning strategies, mechanisms for seeking out community resources and mentors, networking in professional organizations, and ways to become a clinical instructor. Preparation for the National Physical Therapy Examination and developing skills needed to attain PT licensure will be emphasized.

1 credits

OnLine

PT 841 — Clinical Experience I

This 7-week clinical experience is the first in a three-part clinical practice series and follows the successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to apply foundational knowledge and skills learned in the program. The experience will take place in a variety of settings reflective of current physical therapy practice. Students will practice under the direct supervision of a licensed practicing clinician.

7 credits

In-Person

PT 842 — Clinical Experience II

This 8-week clinical experience is the second in a three-part clinical practice series and follows the successful completion of all prior course work. The clinical placement is designed to provide students with an opportunity to advance their clinical knowledge and skills learned in the program. The experience will take place in a variety of settings reflective of current physical therapy practice. Students will practice under the direct supervision of a licensed practicing clinician.

8 credits

In-Person

PT 843 — Clinical Experience III

This 15-week clinical experience is the third in a three-part clinical practice series and follows the successful completion of all prior coursework. The clinical placement is designed to provide students with an opportunity to gain proficiency and synthesis of clinical skills and clinical reasoning learned in the program. The experience will take place in a variety of settings reflective of current physical therapy practice. Students will practice under the direct supervision of a licensed practicing clinician.

15 credits

In-Person

PT 981EG — Advanced Prosthetic Rehabilitation Training

This elective course is designed to enhance knowledge of prosthetic design and to discover a broad scope of exercises to promote optimal gait function for adults living with lower limb amputation. Implementation of appropriate outcome measures for quality of life and functional ability will be discussed. Current and clinically useful approaches to prosthetic design/fit, and advances in rehabilitation management using a holistic philosophy for optimizing health and wellness will be emphasized. Intervention strategies focusing on improved balance, prosthetic gait, fall risk/fall recovery, and running will be taught through hands-on interaction with individuals with lower limb amputation.

2 credits

In-Person

PT 982EG — Directed Study, PT Research

This elective course is designed for students to focus on preparing a completed research study [or component of] for poster, platform, or publication under the guidance of a faculty advisor.

2 credits

In-Person

PT 986EG — Special Topics in Anatomy

This elective course is an advanced laboratory course designed to challenge students with an in-depth understanding of clinical human anatomy. Students are expected to create an anatomical teaching aid that may include an advanced model, prosected specimen, game, or open education resource (OER). Alternatively, students may investigate an anatomical variation that was noted in PT601G. The artifact created by students must fulfill one of the stated Course Learning Objectives (CLOs). Essentially, students will create a project that may satisfy requirements for publication as a manuscript or open education resource (OER), or that may serve as a teaching model for future courses.

2 credits

In-Person

PT 987EG — Special Topics in Pediatrics

This course is designed for students to expand their knowledge of pediatric physical therapy and integrate the best available evidence into practice. To build on information presented in core pediatric courses, students will explore advanced assessment tools and practice gathering accurate and reliable data to help guide critical clinical decision-making. Students will participate in complex gait and orthotic assessments and have opportunities to fabricate simple orthoses for pediatric clients. A primary objective of this elective is for students to select intervention activities that engage and motivate children of all ages. Effective collaboration with families and health providers will be emphasized throughout the course.

2 credits

In-Person

PT 988EG – Advanced Musculoskeletal Topic

This course will cover topics in musculoskeletal physical therapy beyond those covered in MSK I and II, including pain neuroscience, the mechanisms of manual therapy, clinical decision-making, and advanced manual therapy skills.

2 credits

In-Person

PT 989EG – Education and Teaching

This course is designed for students to explore and participate in physical therapy education through teaching as an assistant in Physical Therapy Examination I &/or II, or Clinical Anatomy for Physical Therapists. Students will fulfill potential demonstrating instructional skills in areas such as designing lesson plans, creating objectives for learning modules, developing and implementing teaching and learning modules, and gauging the effectiveness of those modules.

2 credits

In-Person

PT 990EG – Sports Rehabilitation & Training

This course focuses on physical therapist management of patients/clients with sports-related musculoskeletal impairments and functional limitations. Knowledge of anatomy, biomechanics, exercise, and rehabilitation principles is applied along with clinical reasoning processes to this patient population.

2 credits

In-Person

PT 991EG – Spanish for Physical Therapy

This elective course is designed as a medical Spanish beginner level course to provide the DPT student with basic tools to develop sufficient speaking and listening skills to complete a physical therapy evaluation of the patient, safely treat the patient, and provide the Spanish-speaking patient with the necessary education. This is a hybrid course which requires the student to work asynchronously online for 50% of the course work and attend either synchronous online classes or face to face on campus class 50% of the time.

2 credits

In-Person

PT 992EG – Musculoskeletal Ultrasound Imaging

The course covers musculoskeletal ultrasound imaging physics, principles, patient safety, indications, knobology/presets, and artifact identification. Fundamentals of musculoskeletal ultrasound imaging of the peripheral joints (e.g. shoulder, elbow, wrist, hand, hip, knee, ankle and foot) practiced with images acquired for an eportfolio Applications of ultrasound imaging in healthcare practice and research are discussed and demonstrated.

2 credits

In-Person