



## Doctor of Physical Therapy Courses 2022-2023

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### First Year – Fall Courses Block I

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**P T 510 - Applied Clinical Anatomy. 5 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Anatomy of the neuromusculoskeletal system and body cavities in relation to movement and function with clinical correlates. Course lab fee. Level: Graduate

**P T 529 - Clinical Biomechanics. 5 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. The principles of biomechanics as applied to the practice of physical therapy. Level: Graduate

### First Year – Fall Courses Block II

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**P T 503 - PT and Health Care System. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. An introduction to physical therapy and its relationship to the health care system. Topics include introduction to PT as a profession, teaching and learning, ethics, laws, and professional issues in physical therapy. Level: Graduate

**P T 516 - Movement System Examination & Evaluation. 5 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Principles of musculoskeletal examination and evaluation including posture, palpation, measurement of ROM and muscle performance, assessment of muscle length, and joint play. Level: Graduate

**P T 523 - Clinical Medicine I. 1 Credit.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Introduction to medical screening and the PT exam within the Patient/Client Management model. Level: Graduate

**P T 526 - Foundational Skills I. 3 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Basic skills of documentation, medical terminology, transfers, bed mobility, and gait assistive device use. Level: Graduate



## First Year – Spring Courses Block I

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### **P T 530 - Clinically Applied Exercise Physiology. 5 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or permission of instructor. Principles and applications of the physiological adaptations to acute and chronic exercise stresses and adaptations in the clinical environment. Exercise assessment/testing, prescription and progression of the exercise program is discussed. Level: Graduate

### **P T 532 - Foundational Skills II. 1 Credit.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Principles of soft tissue mobilization. Techniques covered include: superficial, petrissage, kneading, neuromuscular, friction massage and trigger point techniques. Instruction regarding indications, precautions, contraindications, draping, position, and privacy issues included. Level: Graduate

### **P T 536 - Neurosciences. 5 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or permission of instructor. Anatomy of the head and neck, and neuroanatomy of the human nervous system with emphasis on evaluation of central nervous system lesions and pathological conditions, clinical applications to physical therapy. Level: Graduate

### **P T 582 - Clinical Clerkship. 1 Credit.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. A mix of classroom and clinical experiences to introduce students to the expectations of professional practice. CR/NCR grading. Level: Graduate

## First Year – Spring Courses Block II

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### **P T 519 - Musculoskeletal Management I. 3 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or permission of instructor. Principles of musculoskeletal examination, evaluation, and intervention. The focus is application of anatomic and biomechanical principles when examining posture and movement patterns, and analysis of underlying neuromuscular impairments. Level: Graduate

### **P T 520 - Geriatric PT. 2 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or permission of instructor. Presentation of changes in adults as they progress through the lifespan. Includes the functional changes associated with aging, assessing, and managing fall risk, performance, and interpretation of functional outcome measures. Level: Graduate



**P T 527 - Physical & Electrophysical Agents. 3 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or permission of instructor. Physiology, indications, contraindications, and application of electrotherapy and physical agents. Theory and application of electrodiagnostic and electrotherapeutic procedures. Level: Graduate

**P T 560 - Clinical Reasoning I. 1 Credit.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Introduction to the clinical reasoning process in physical therapy. Level: Graduate

**P T 582 - Clinical Clerkship. 1 Credit.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. A mix of classroom and clinical experiences to introduce students to the expectations of professional practice. CR/NCR grading. Level: Graduate

### First Year – Summer Semester

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**P T 587 - Full-Time Clinical Experience I. 6 Credits.**

Offered summer. Prereq., enrolled in entry-level DPT program or permission of instructor. Eight weeks of full-time clinical experience with emphasis on developing patient evaluation and treatment skills. Only CR/NCR grading. Level: Graduate

### Second Year – Fall Courses Block I

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**P T 524 - Clinical Medicine II. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Introduction to pharmacology, medical management of selected orthopedic and hematological conditions. Level: Graduate

**P T 563 - Cardiopulmonary PT. 3 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. Physical therapy assessment and interventions for patients with cardiovascular and/or pulmonary disease. Includes cardiovascular and pulmonary pathology, pharmacology, and differential diagnosis. Level: Graduate

**P T 567 - Neurorehabilitation I. 4 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. Neurologic physical therapy assessment and intervention of adults. Principles of neuroplasticity, motor control, motor learning and application to physical therapy neurorehabilitation. Includes wheelchair seating, mobility assessment and prescription. Level: Graduate



**P T 576 - Clinical Reasoning II. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. This course will build on the foundations established in Clinical Reasoning I and utilize reflections from the first summer Clinical Experience. The principles of evidence-based practice (EBP), including the application of evidence and the creation of evidence (both quantitative and qualitative), limitations of EBP and its role in the changing health care environment, critical appraisal of the literature, statistical knowledge, and weighing evidence for clinical decision making will be discussed. Issues related to clinical and research ethics will also be discussed. Level: Graduate

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### Second Year – Fall Courses Block II

**P T 525 - Clinical Medicine III. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Pathophysiology, medical and pharmacological management of oncological, immunological diseases and organ transplantation. Level: Graduate

**P T 533 - Pelvic Health PT. 1 Credit.**

Offered autumn. Prereq., enrolled in entry-level DPT program or permission of instructor. Examination, screening, and treatment of pelvic health issues including genitourinary issues, obstetrics, incontinence, and pelvic pain. Level: Graduate

**P T 569 - Musculoskeletal Management II. 5 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. Principles of musculoskeletal examination, evaluation, and intervention for the hip, knee, ankle, foot, lumbar spine, and SI joint. Level: Graduate

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### Second Year – Spring Courses Block I

**P T 531 - Prosthetics. 1 Credits.**

Offered spring. Prereq. enrolled in entry-level DPT program or permission of instructor. Information pertinent to pathology, examination, and evaluation of patients with amputations and conditions requiring prosthetics. The basic components of the course include types of devices, fitting, exercise programs, gait analysis and gait training. An overview of upper extremity prosthetics will be provided. Level: Graduate

**P T 573 - Musculoskeletal Management III. 6 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Principles of musculoskeletal examination, evaluation, and intervention for the shoulder, elbow, wrist, hand, temporomandibular joint (TMJ), thoracic and cervical spine. Level: Graduate



**P T 583 - Integrated Clinical Experience I. 2 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. An integrated, part-time clinical experience with emphasis on patient evaluation, treatment, and professional development. Only CR/NCR grading. Level: Graduate

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## Second Year – Spring Courses Block II

**P T 565 - Pediatric Physical Therapy. 2 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Normal development throughout childhood. Physical therapy examination, evaluation, and intervention of children with neuromotor and musculoskeletal dysfunction including physical therapy for children in school systems. Level: Graduate

**P T 568 - Neurorehabilitation II. 3 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Neurologic physical therapy assessment and intervention of adults. Principles of neuroplasticity, motor control, motor learning and application to physical therapy neurorehabilitation. Includes assessment and treatment of vestibular system and conditions. Level: Graduate

**P T 572 - Practice & Administration. 4 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Practice management and operations. Includes strategic planning, human resource management, regulatory compliance/risk management, quality improvement, clinical coding, billing instruction, and career development. Level: Graduate

**P T 583 - Integrated Clinical Experience I. 2 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. An integrated, part-time clinical experience with emphasis on patient evaluation, treatment, and professional development. Only CR/NCR grading. Level: Graduate

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## Second Year – Summer Semester

**P T 589 - Full-Time Clinical Experience II. 6 Credits.**

Offered summer. Prereq., enrolled in entry-level DPT program or permission of instructor. Eight weeks of full-time clinical experience with emphasis on learning about administrative issues, problem solving, time management, and communication skills. Continuation of development of patient treatment and evaluation skills. Only CR/NCR grading. Level: Graduate



## Third Year – Fall Courses Block I

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### **P T 584 - Integrated Clinical Experience II. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. An integrated, part-time clinical experience with emphasis on patient evaluation, treatment, and professional development. CR/NCR grading. Level: Graduate

### **P T 626 - Clinical Medicine IV. 2 Credits.**

Offered autumn. Prereqs., enrolled in entry-level DPT program or consent of instructor. Course will focus on the role of the physical therapist in a Direct Access environment. Pathology, differential screening, pharmacotherapeutics, evaluation and management of gastrointestinal, endocrine/metabolic, and hepatobiliary disease. Level: Graduate

### **P T 627 - Prevention & Wellness Education. 3 Credits.**

Offered autumn. Prereqs., enrolled in entry-level DPT program or consent of instructor. Principles of public health and epidemiology as they relate to health prevention and wellness with an emphasis on clinical application and face-to-face patient interaction in the physical therapy setting. Level: Graduate

### **P T 629 - Clinical Medicine V. 2 Credits.**

Offered autumn. Prereqs., enrolled in entry-level DPT program or consent of instructor. Course will focus on evaluation, differential screening, pharmacology, and management of integumentary disorders. Includes wound assessment and treatment. Level: Graduate.

### **P T 679 - Trends & Scholarly Activity. 1-6 Credits.**

(R-6) Offered autumn and spring. Prereqs., enrolled in entry-level DPT program or consent of instructor. Students are required to complete at least 6 credits during their 2nd and 3rd years. Seminar sections that focus on advanced clinical topics in physical therapy and/or engagement in research with an individual faculty advisor. Traditional or CR/NCR grading as determined by instructor. Level: Graduate

## Third Year – Fall Courses Block II

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### **P T 584 - Integrated Clinical Experience II. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. An integrated, part-time clinical experience with emphasis on patient evaluation, treatment, and professional development. CR/NCR grading. Level: Graduate



**P T 570 - Psychosocial Aspects of Health and Wellness. 2 Credits.**

Offered autumn. Prereq., enrolled in entry-level DPT program or consent of instructor. Psychosocial aspects of health and wellness including social/societal determinants for people from diverse backgrounds throughout the lifespan. Level: Graduate

**P T 676 - Clinical Reasoning III. 3 Credits.**

Offered autumn. Prereqs., enrolled in entry-level DPT program or consent of instructor. Course addresses critical appraisal of complex research designs and clinical reasoning related to the provision of evidence-informed care. Level: Graduate

**P T 679 - Trends & Scholarly Activity. 1-6 Credits.**

(R-6) Offered autumn and spring. Prereqs., enrolled in entry-level DPT program or consent of instructor. Students are required to complete at least 6 credits during their 2nd and 3rd years. Seminar sections that focus on advanced clinical topics in physical therapy and/or engagement in research with an individual faculty advisor. Traditional or CR/NCR grading as determined by instructor. Level: Graduate

### Third Year – Spring Semester

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**P T 680 - Clinical Internship. 11 Credits.**

Offered spring. Prereq., enrolled in entry-level DPT program or consent of instructor. Final summative experience is a 15-week clinical internship. Includes writing and presentation of case study or special project. CR/NCR grading. Level: Graduate