Doctor of Physical Therapy Coursework Details

**PT 7113 Gross Anatomy** - Study of the structure and function of the human limbs, spine, head and neck; regional description with emphasis on the muscular, skeletal, nervous, and vascular systems of the limbs and spine. Restricted to Doctor of Physical Therapy majors.

**PT 7123 Introduction to Research and Evidence Based Practice** - Provide learners with the prerequisite integrated knowledge and skills required to assimilate, prepare, and present research necessary for evidence based practice. Restricted to Doctor of Physical Therapy majors.

**PT 7141 Research I** - The first of three mentored research courses designed to culminate in a project suitable for presentation or publication. Students will work with an assigned faculty advisor and develop projects related to the faculty advisor’s area of knowledge and interest. Restricted to Doctor of Physical Therapy majors.

**PT 7213 Movement Science** - Anatomical and biomechanical analysis of normal and abnormal human motion, including posture and gait, and their implications for physical therapy. Restricted to Doctor of Physical Therapy majors.

**PT 7224 Neuroscience** - Analysis of the structure and function of the human nervous system for physical therapy majors. Restricted to Doctor of Physical Therapy majors.

**PT 7232 Introduction to Orthopedics and Imaging** - Introduction to the area of orthopedics including the indications, uses, limitations and advantages of radiological imaging techniques. Prerequisite: Restricted to Doctor of Physical Therapy majors.

**PT 7243 Integumentary** - Pathologies, impairments, functional limitations, and disabilities of individuals with integumentary system dysfunction; review of relevant anatomy, physiology and pathophysiology of the integumentary system; physical therapy management of individuals with compromised integumentary system. Restricted to Doctor of Physical Therapy majors.
PT 7251 Pharmacology for the Physical Therapist - Introduction to pharmacology and the effects of drug actions on the major body systems, including the mechanisms of therapeutic and adverse effects and problems of drug interactions. Prerequisite: Restricted to Doctor of Physical Therapy majors.

PT 7252 Psychosocial Issues in Physical Therapy - Physical therapists’ role in management of psychosocial issues affecting patient care including loss and grieving, self-concept, socio-cultural considerations, stress and coping, motivational issues and terminal illness. Restricted to Doctor of Physical Therapy majors.

PT 7314 Exercise Physiology - Provides learners with an integrated knowledge and application of physiological principles related to the provision of patient care in physical therapy. Topics include musculoskeletal, neurological, renal, and cardiopulmonary systems at rest and with acute/chronic exercise. Restricted to Doctor of Physical Therapy majors.

PT 7323 Imaging and Pharmacology - An overview of radiologic imagine and pharmacology in physical therapy practice, with the radiology portion covering the indications, uses, limitations and advantages of imaging techniques, and the pharmacology portion covering the pharmacokinetics and pharmacodynamics of various pharmacologic interventions.

PT 7343 Administration - This course addresses principles of health care administration, with an emphasis on the US healthcare system including acute, skilled nursing, home health, outpatient, and hospice care; legal and ethical issues, business basics, risk management and accreditation. Restricted to Doctor of Physical Therapy majors.

PT 7413 Pathophysiology and Differential Diagnosis - This course examines the influence of disease on different body systems. Content examines the effects of pathological and age-related changes on health and human movement. The course includes differential diagnosis and basic pharmacological principles for a variety of pathologies. Restricted to Doctor of Physical Therapy majors.

PT 7444 Cardiopulmonary - Addresses the physical therapy of management cardiopulmonary dysfunction, with emphasis on pathologies, impairments, functional limitations, and disabilities associated with the dysfunctions, and the development of a systematic approach to examination, evaluation, diagnosis, prognosis, and intervention. Restricted to Doctor of Physical Therapy majors.

PT 7511 Professional Issues I: Introduction to DPT Practice - Introduces the Guide to Physical Therapist Practice and the physical therapist examination process, clinical documentation, professional behaviors, leadership roles and legal regulations of the profession. Restricted to Doctor of Physical Therapy majors.
PT 7512 Professional Issues I: Introduction to DPT Practice - Explores contemporary issues in physical therapy. Special emphasis is placed on ethical and legal dilemmas faced by physical therapists working in the clinical environment. Restricted to tDPT majors.

PT 7521. Fundamentals of Patient Care - Introduction to fundamentals of physical therapy patient care including infection control, vital signs, passive range of motion, patient positioning, transfer training, wheelchair management, gait training, and documentation. Restricted to Doctor of Physical Therapy majors.

PT 7534 Clinical Procedures: Introductory Tests, Measures and Interventions - Tests and measures of range of motion, muscle performance, posture, gait & balance are introduced. The clinical intervention procedure introduced is therapeutic exercise covering basic principles and techniques of flexibility exercises; strength and power exercises; and aerobic exercises. Restricted to Doctor of Physical Therapy majors.

PT 7612 Methods of Instruction and Consultation - This course addresses the role of the therapist as educator, with emphasis on principles and methods of effective instruction, feedback, and consultation along with the various forms of educational and instructional technologies. Restricted to Doctor of Physical Therapy majors.

PT 7623 Electrotherapy and Physical Agents - Introduction to the theory and applications of thermal modalities and electrotherapy to human tissue. Indications, contraindications, and precautions for thermal modalities, and electrotherapy are covered. Clinical decision making and appropriate applications of the modalities are emphasized. Restricted to Doctor of Physical Therapy majors.

PT 7733 Clinical Education I - One of a series of supervised clinical education courses, which provides students an opportunity to integrate previously learned academic coursework into actual clinical practice, culminating with entry level performance at conclusion of all clinical education courses. Restricted to Doctor of Physical Therapy majors.

PT 7832 Clinical Education II - One of a series of supervised clinical education courses, which provides students an opportunity to integrate academic coursework into clinical practice in inter-professional and non-traditional settings. Restricted to Doctor of Physical Therapy majors.

PT 8143 Neuromuscular I - Theoretical foundations of neuromuscular rehabilitation including normal and abnormal movement, neuroplasticity, motor control, and motor learning. Basic treatment principles are introduced. Restricted to Doctor of Physical Therapy majors.
**PT 8151 Research II** - The second of three mentored research courses designed to culminate in a project suitable for presentation or publication. Students will continue developing projects related to the faculty advisor’s area of knowledge and interest. Restricted to Doctor of Physical Therapy majors.

**PT 8163 Clinical Education III** - One of a series of supervised clinical education courses, which provides students an opportunity to integrate previously learned academic coursework into actual clinical practice, culminating with entry level performance at conclusion of all clinical education courses. Restricted to Doctor of Physical Therapy majors.

**PT 818V Independent Study and Culminating Experience** - This is an independent study that is designed to meet the individual needs of the student. The course work is designed on an individual basis. Restricted to Doctor of Physical Therapy majors.

**PT 8245 Musculoskeletal I** - Management of musculoskeletal cases of the upper and lower extremities incorporating anatomy, biomechanics, pathology, clinical diagnosis, and intervention. Emphasis is on clinical decision making in all patient-therapist interaction. Education, prevention, ergonomics, pain management, and conditioning also covered. Restricted to Doctor of Physical Therapy majors.

**PT 8255 Musculoskeletal II** - Management of musculoskeletal cases of the spine and TMJ incorporating anatomy, biomechanics, pathology, clinical diagnosis, and intervention. Emphasis is on clinical decision making in all patient-therapist interaction. Education, prevention, ergonomics, pain management, and conditioning also covered. Restricted to Doctor of Physical Therapy majors.

**PT 8263 Clinical Education IV** - One of a series of supervised clinical education courses, which provides students an opportunity to integrate previously learned academic coursework into actual clinical practice, culminating with entry level performance at conclusion of all clinical education courses. Restricted to Doctor of Physical Therapy majors.

**PT 8272 Professional Issues II** - Exploration of the roles of physical therapist in clinical practice and ethical and legal dilemmas faced by physical therapists; design of a professional development plan. Restricted to Doctor of Physical Therapy majors.

**PT 8352 Health and Wellness** - This course covers wellness, fitness, prevention and health promotion from an interdisciplinary perspective. Students will be introduced to concepts of wellness that include physical, social, environmental, emotional, intellectual and spiritual components. Restricted to Doctor of Physical Therapy majors.
PT 8571 Research III- The final research course designed to culminate in a project suitable for presentation or publication. Restricted to Doctor of Physical Therapy majors.

PT 8573 Special Topics in Physical Therapy- This course provides the opportunity for students to gain knowledge and skills in advanced and specialty areas of physical therapy practice. Restricted to Doctor of Physical Therapy majors.

PT 8585 Clinical Education V- One of a series of supervised clinical education courses, which provides students an opportunity to integrate previously learned academic coursework into actual clinical practice, culminating with entry level performance at conclusion of all clinical education courses. Restricted to Doctor of Physical Therapy majors.

PT 8653 Neuromuscular II- Examination, assessment and treatment planning for pediatric population with a broad spectrum of neurological conditions, including cerebral palsy, genetic disorder, etc. Restricted to Doctor of Physical Therapy majors.

PT 8674 Musculoskeletal III- The terminal course in Musculoskeletal sequence. Intended to offer the student an opportunity to engage in an intensive and comprehensive emersion into the management of the patient with musculoskeletal dysfunction leading to effective clinical practice. Restricted to Doctor of Physical Therapy majors.

PT 8685 Clinical Education VI- One of a series of supervised clinical education courses, which provides students an opportunity to integrate previously learned academic coursework into actual clinical practice, culminating with entry level performance at conclusion of all clinical education courses. Restricted to Doctor of Physical Therapy majors.

PT 8754 Neuromuscular III- Management of neuromuscular conditions associated with upper motor neuron pathology. Focus will include physical therapy examination, evaluation, diagnosis, prognosis and treatment planning/strategies. Restricted to Doctor of Physical Therapy majors.

PT 8773 Neuromuscular IV- Management of neuromuscular conditions associated with lower motor neuron pathology. Focus will include physical therapy examination, evaluation, diagnosis, prognosis and treatment planning/strategies. Restricted to Doctor of Physical Therapy majors.

PT 8872 Clinical Decision- Making models for clinical reasoning and decision making; factors influencing clinical decisions; management of complex patient problems. Restricted to Doctor of Physical Therapy majors.