

## **Courses Acceptable for DPT Degree Program (School Physical Therapy)**

### **DPT 700 Foundations of Physical Therapy Evaluation I (3)**

One lecture and six hours of laboratory.

Prerequisite: Admission to the DPT program.

Psychomotor skills in observation and evaluation of movement.

### **DPT 710 Foundations of Physical Therapy Evaluation II (4)**

Two lectures and six hours of laboratory.

Prerequisite: DPT 700.

Problem solving and psychomotor skills to perform general physical examination. Concepts, procedures, and techniques required to provide safe and effective patient care.

### **DPT 725 Clinical Anatomy I (4)**

Three lectures and three hours of laboratory.

Prerequisite: Admission to the DPT program.

Applied anatomy of upper and lower extremities of the human body; joint anatomy and mechanics, anatomical structures to produce articular movement to include muscles, arterial, peripheral nervous systems, and articular and extremity movement patterns.

### **DPT 726 Clinical Anatomy II (4)**

Three lectures and three hours of laboratory.

Prerequisite: DPT 725.

Axial portion of the human body; biomechanics of the spinal column to include head and neck, thorax, related viscera, and abdomino-pelvic region.

### **DPT 740 Professional Skills Development Series I (1)**

Prerequisite: Admission to the DPT program.

Professional skills development for the novice clinician in physical therapy practice.

### **DPT 741 Professional Skills Development Series II (1)**

Three hours of laboratory.

Prerequisite: DPT 740.

Advanced professional skills development for the novice clinician in physical therapy practice.

### **DPT 742 Professional Skills Development Series III (1)**

Three hours of laboratory.

Prerequisite: DPT 741.

Advanced professional skills development for the intermediate clinician in physical therapy practice.

### **DPT 743 Professional Skills Development Series IV (1)**

Three hours of laboratory.

Prerequisite: DPT 742

This is the fourth course in a five-course series that progressively builds upon the clinical skills and mindsets critical for clinical success as autonomous DPT practitioners. This series focuses on leadership, professionalism, clinical reasoning, communication, teamwork, and educating others.

### **DPT 744 Professional Skills Development Series V (1)**

Three hours of laboratory.

Prerequisite: DPT 743.

This is the fourth course in a five-course series that progressively builds upon the clinical skills and mindsets critical for clinical success as autonomous DPT practitioners. This series focuses

on leadership, professionalism, clinical reasoning, communication, teamwork, and educating others.

#### **DPT 750 Concepts in Physiology, Pathophysiology, and Pharmacology (4)**

Prerequisite: DPT 710 and DPT 725.

Normal physiology, diseases, disorders, and injuries. Pathological processes, specific organ system pathology, multisystem pathology, and pharmacological concepts.

#### **DPT 760 Neurosciences (4)**

Prerequisites: DPT 725 and DPT 750.

Anatomy and physiology of central nervous system; substrates and processes of movement.

#### **DPT 780 Therapeutic Modalities (3)**

One lecture and six hours of laboratory. Prerequisite: DPT 700, DPT 710, DPT 725 and DPT 726.

Anatomy, physiology, pathology, mutability of human biological tissues in the rehabilitation process.

#### **DPT 782 Therapeutic Exercise (3)**

One lecture and six hours of laboratory.

Prerequisites: DPT 700, DPT 710, DPT 725, DPT 726.

Therapeutic exercise as it applies to clinical practice of physical therapy.

#### **DPT 784 Advanced Therapeutic Exercise (2)**

One lecture and three hours of laboratory.

Prerequisites: DPT 782.

Advanced principles of therapeutic exercise and its application to physical therapy clinical practice.

#### **DPT 801 Initial Clinical Experience (3) Cr/NC**

Prerequisites: Successful completion of all coursework up to DPT 801 Clerkship.

Cognitive, psychomotor, and affective skills of physical therapy practice in a clinical setting.

#### **DPT 802 Life Cycle I (2) <Geriatric Physical Therapy>**

Prerequisite: DPT 801.

Age-related changes from young adulthood to senescence; analysis of resultant functional limitations

#### **DPT 803 Life Cycle II (2) <Pediatric Physical Therapy Part I>**

Prerequisite: DPT 802.

Normal and delayed maturation processes from conception through adulthood; nervous, cardiovascular, and musculoskeletal systems.

#### **DPT 820 Musculoskeletal Therapeutics I (4)**

Two lectures and six hours of laboratory.

Prerequisite: DPT 801.

Clinical concepts and principles for the diagnosis, examination, and management of musculoskeletal disorders involving the cranio-cervical region, thoracic region, and upper extremities.

#### **DPT 821 Musculoskeletal Therapeutics II (4)**

Two lectures and six hours of laboratory.

Prerequisite: DPT 820.

Clinical principles and concepts for the diagnosis, examination, and management of musculoskeletal disorders involving the lumbosacral region and lower extremities.

**DPT 822 Interventions in Musculoskeletal Therapeutics (3)**

Two lectures and three hours of laboratory.

Prerequisite: DPT 821.

Analysis of interventions used to treat clients with dysfunctions of the musculoskeletal system.

**DPT 830 Cardiopulmonary Therapeutics (4)**

Three lectures and three hours of laboratory.

Prerequisite: DPT 750.

Electrocardiography, exercise testing, and exercise prescription for patient populations suffering from acute or chronic illness.

**DPT 835 Neurophysiological Therapeutics I (4)**

Three lectures and three hours of laboratory.

Prerequisite: DPT 801.

Neurological deficits in adults and children secondary to upper motor-neuron dysfunction.

**DPT 836 Neurophysiological Therapeutics II (3)**

Two lectures and three hours of laboratory.

Prerequisite: DPT 835.

Scientific theory pertaining to composite impairments of neurologic patients, with application of motor-control theory to neurorehabilitation.

**DPT 837 Interventions in Neuromuscular Therapeutics (3) <Pediatric Physical Therapy Part II>**

One lecture and six hours of laboratory.

Prerequisite: DPT 836.

Interventions used to treat clients with dysfunctions of the neuromuscular system.

**DPT 857 Prosthetics and Orthotics (2)**

Prerequisite: DPT 886.

Design, fabrication, and fitting of orthotic and prosthetic devices.

**DPT 868 Physical Therapy Organization and Administration (3)**

Prerequisite: DPT 801.

Designing, equipping, and staffing a physical therapy practice or department. Budget development, cost accounting, supervisory functions, evaluation techniques, and quality assurance. Business strategies and skills for practice setting. Local, national, economic, and political pressures on delivery of physical therapy services.

**DPT 875 Medical Therapeutics in Physical Therapy Practice (3) <Acute Care Physical Therapy>**

One lecture and three hours of laboratory.

Prerequisite: DPT 801.

Contemporary medical interventions for physical therapy practice.

**DPT 878 Psychosocial Aspects of Rehabilitation (3)**

Prerequisite: DPT 801.

Adjustment to physical disability and terminal illness. Development of communication and ethical decision-making skills.

**DPT 880 Differential Diagnosis in Physical Therapy (3)**

Two lectures and three hours of laboratory.

Prerequisites: DPT 710, DPT 725, DPT 750, DPT 830, DPT 875.

Musculoskeletal conditions, medical pathological problems, and/or co-morbidities affecting clinical decision-making.

**DPT 881 Evidence-Based Practice I: Principles and Clinical Applications (3)**

Prerequisite: DPT 700 and DPT 725.

Preparation as a consumer of the professional literature in physical therapy.

**DPT 882 Evidence-Based Practice II: Research Applications (3)**

Prerequisite: DPT 881.

Use of evidence in current physical therapy practice.

**DPT 885 Seminar in Case Presentations (1)**

Prerequisite: DPT 888.

Patient case and analysis of evidence from clinical interactions between student and client.

**DPT 886 Functional Neuro-Biomechanical Relationships (4)**

Prerequisite: DPT 801.

Structures of the musculoskeletal system and individual functional regions. Forces sustained in normal and pathological conditions.

**DPT 887 Professional Development in Physical Therapy (2)**

Prerequisite: DPT 801.

Professional physical therapy at individual and societal levels.

**DPT 888 Evidence-Based Practice IV: Advanced Clinical Reasoning (3)**

Prerequisite: DPT 882 and DPT 885.

Integrate evidence, patient values, and clinical expertise to critically analyze clinical decision making for complex patient cases across a broad range of practice settings.

**DPT 889A Doctoral Project Part I (3) Cr/NC**

Prerequisites: DPT 801, DPT 885, DPT 888

Literature search and appraisal and instructor- and peer-facilitated online discussions. The culmination of this research component of the DPT program is the completion of the Doctoral Project.

**DPT 889B Doctoral Project Part II (3) Cr/NC**

Prerequisites: DPT 889A.

DPT 889B is the final course of the Doctoral Project series and requires students to integrate evidence, patient values, and clinical expertise with the ICF model of clinical reasoning for actual patient cases. Students must write and submit a scientific abstract based on their clinical case and must orally present and defend their patient case during a poster presentation.

**DPT 895A Clinical Internship (1-10) Cr/NC**

Prerequisite: Successful completion of all DPT coursework.

Clinical internship in physical therapy.

**DPT 895B Terminal Clinical Internship (1-10) Cr/NC**

Prerequisite: Successful completion of all DPT coursework.

Clinical internship in physical therapy.