

Courses Acceptable for DPT Degree Program (in the School of Exercise and Nutritional Sciences)

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 (3)

One lecture and six hours of laboratory.

Prerequisite: Doctor of Physical Therapy 700, 725, and admission to the DPT program

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: Doctor of Physical Therapy.

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

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

Prerequisite: Admission to the DPT program.

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

DPT 760 Neurosciences (4)

Prerequisites: Doctor of Physical Therapy 725 and 750.

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

DPT 780 Therapeutic Modalities (3)

Two lectures and six hours of laboratory.

Prerequisite: Admission to the DPT program.

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

DPT 782 Therapeutic Exercise (4)

Two lectures and six hours of laboratory.

Prerequisites: Doctor of Physical Therapy 710, 725, 750, 780, 881

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

DPT 801 Clerkship (3) Cr/NC

Prerequisites: Successful completion of all coursework up to Doctor of Physical Therapy 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: Doctor of Physical Therapy 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: Doctor of Physical Therapy 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: Doctor of Physical Therapy 801.

Examination, diagnosis, and management of lower and upper extremities, and spinal musculoskeletal disorders.

DPT 821 Musculoskeletal Therapeutics II (4)

Three lectures and three hours of laboratory.

Prerequisite: Doctor of Physical Therapy 820.

Clinical principles and concepts for management of orthopedic, sports, and industrial injuries.

DPT 822 Interventions in Musculoskeletal Therapeutics (3)

Two lectures and three hours of laboratory.

Prerequisite: Doctor of Physical Therapy 821.

Analysis of interventions used to treat clients with dysfunctions of the musculoskeletal system. Evaluation and treatment of running injuries. Issues related to pelvic health in female and male populations.

DPT 830 Cardiopulmonary Therapeutics (4)

Three lectures and three hours of laboratory.

Prerequisite: Doctor of Physical Therapy 801.

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: Doctor of Physical Therapy 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: Doctor of Physical Therapy 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: Doctor of Physical Therapy 836.

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

DPT 857 Prosthetics and Orthotics (2)

Prerequisite: Doctor of Physical Therapy 820.

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

DPT 868 Physical Therapy Organization and Administration (2)

Prerequisite: Doctor of Physical Therapy 801.

Designing, equipping, and staffing a physical therapy department and office. Budget development, cost accounting, supervisory functions, evaluation techniques, methods of quality assurance. Business strategies and skills for private practice setting.

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

One lecture and three hours of laboratory.

Prerequisite: Doctor of Physical Therapy 830.

Contemporary medical interventions for physical therapy practice.

DPT 878 Psychosocial Aspects of Rehabilitation (3)

Prerequisite: Admission to the DPT program.

Adjustment to physical disability and terminal illness; ethical decision-making.

DPT 880 Differential Diagnosis in Physical Therapy (3)

Prerequisites: Doctor of Physical Therapy 710, 725, 750.

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: Admission to the DPT program.

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

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

Prerequisite: Doctor of Physical Therapy 881.

Use of evidence in current physical therapy practice.

DPT 885 Evidence-Based Practice III: Case Presentations (3)

Prerequisite: Doctor of Physical Therapy 801.

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

DPT 886 Functional Neuro-Biomechanical Relationships (4)

Prerequisite: Admission to the DPT program.

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

DPT 887 Professional Development in Physical Therapy (3)

Prerequisite: Admission to the DPT program.

Professional physical therapy at individual and societal levels.

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

Prerequisite: Doctor of Physical Therapy 881 and 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 889 Doctoral Project (2-2) Cr/NC

Prerequisites: Admission to the DPT program and completion of all prior DPT coursework.

Final paper or project on an in-depth clinical or research problem related to the physical therapy profession, presented to a professional audience.

DPT 895 Clinical Internship (10-10) Cr/NC

Prerequisite: Successful completion of all DPT coursework.

Clinical internship in physical therapy.

DPT 897 Doctoral Research (1) Cr/NC

Prerequisite: Admission to the DPT program.

Investigation to the general field of the doctoral project. Maximum credit two units applicable to the doctoral degree.