

PHYT - PHYSICAL THERAPY (PHYT)

PHYT 701 - Human Musculoskeletal and Gross Anatomy (5 Credits)

Intensive study and analysis of the morphologic, functional and imaging anatomy of the human body. Emphasis on the relationship of form and function as a basis for understanding of human movement.

PHYT 702 - Musculoskeletal and Gross Anatomy Dissection (3 Credits)

In depth, hands on study and analysis of the major gross anatomical structures, their relationships to each other and the clinical importance through cadaveric dissection.

PHYT 720 - Fundamentals of Physical Therapy (4 Credits)

An overview of the profession and basic skills needed by the physical therapist related to patient evaluation and management.

PHYT 721 - Health Promotion & Wellness in Physical Therapy (2 Credits)

Presents the role of the physical therapist in health promotion and wellness for patients/clients and the community.

PHYT 731 - Mechanisms of Motor Skill Performance (3 Credits)

A study of theories and mechanisms involved in human movement. Focus is on analysis of principles and systems of gross motor control and learning.

PHYT 740 - Professional Issues in Physical Therapy (2 Credits)

PHYT 740 is designed to allow you to enhance patient interaction through the development of professional communication skills, to explore professional ethics and the APTA Core Values, and to foster a professional identity.

PHYT 741 - Clinical Documentation in Physical Therapy (1 Credit)

Enhance patient interaction through the development of professional communication skills, to develop appropriate documentation skills, and to foster a professional identity.

PHYT 750 - Orthopedic Physical Therapy I (4 Credits)

Fundamental principles of physical therapy examination and evaluation for people with orthopedic disorders with an emphasis on lumbar spine and lower extremities.

PHYT 751 - Orthopedic Physical Therapy II (3 Credits)

Fundamental principles of physical therapy examination and evaluation for people with orthopedic disorders with an emphasis on thoracic and cervical spine and upper extremities.

PHYT 752 - Orthopedic Integration in Physical Therapy (4 Credits)

An advanced course to enhance physical therapy students' knowledge of orthopedic examination tests and manual therapy interventions. Emphasis will be placed on diagnostic accuracy of special tests (sensitivity, specificity, likelihood ratios, reliability and validity), interpretation of the results, proper execution, and integration of manual techniques into clinical practice.

PHYT 753 - Research Proposal Development (1 Credit)

Fundamentals of developing a research proposal.

PHYT 754 - Manual Therapy I (3 Credits)

Joint and soft tissue mobilization and manipulation techniques.

PHYT 755 - Manual Therapy II (3 Credits)

Techniques will include spinal mobilization, mobilization with movement, manipulation, muscle energy, taping, soft tissue mobilization and integration of techniques into clinical practice.

PHYT 756 - Integumentary Physical Therapy (2 Credits)

Physical therapy management of patients with integumentary disorders.

PHYT 757 - Pharmacology for the Physical Therapist (2 Credits)

Management of the physical therapy patient on selected medications.

PHYT 758 - Patient Education in Physical Therapy (1 Credit)

Role of the physical therapist in professional and patient education.

PHYT 759 - Therapeutic Exercise (2 Credits)

Therapeutic exercise for the orthopedic patient: selection of techniques, rate of progression and modification.

PHYT 760 - Orthotics and Prosthetics (2 Credits)

Management of patients with amputations, prosthetics, and orthotics.

PHYT 761 - Pain Mechanisms and Treatment (2 Credits)

This course will address the theoretical models for understanding the basis for pain. Pain assessment and physical therapy pain management will be addressed. Emphasis will be placed on the development of clinical decision-making and problem solving.

PHYT 763 - Biophysical Agents in Physical Therapy (1 Credit)

This course studies theoretical and practical applications for safe, effective use of biophysical agents commonly used in physical therapy settings using evidence based practice.

PHYT 764 - Cultural Competence in Health Care (3 Credits)

Cultural competencies necessary for the delivery of health care to patients of diverse ethno-cultural heritages.

PHYT 765 - Geriatric Physical Therapy (2 Credits)

Fundamental principles for assessment, treatment and overall foundations of geriatric physical therapy based upon the best available evidence.

PHYT 766 - Essentials of Cardiopulmonary Physical Therapy (3 Credits)

Physical therapy management of patients/clients with acute and chronic cardiac and/or pulmonary dysfunction.

PHYT 770 - Acute Care Physical Therapy (3 Credits)

Cognitive and motor skills required in the management of the acute care physical therapy patient.

PHYT 775 - Introduction to Examination, Evaluation, and Intervention I (1 Credit)

Fundamental theory and practical implications of examination for the clinical physical therapy patient.

PHYT 776 - Introduction to Examination, Evaluation, and Intervention II (1 Credit)

Fundamental theory and practical implications of examination, evaluation and intervention for the clinical physical therapy patient with special emphasis on therapeutic exercise for lumbar and lower extremity.

PHYT 777 - Special Topics in Physical Therapy (1-3 Credits)

A study of selected issues in the field of physical therapy. Course content varies by title. May be repeated for credit as topics vary for a maximum of 6 credit hours total.

PHYT 782 - Functional Anatomy (4 Credits)

Biomechanical principles underlying motor control and selected techniques used to quantify human movement.

PHYT 785 - Seminar in Physical Therapy (1 Credit)

Critical review of professional literature pertaining to clinical practice in physical therapy. Repeatable for credit.

PHYT 786 - Research Seminar in Physical Therapy (1 Credit)

Presentation and discussion of current research topics in physical therapy.

PHYT 787 - Seminar and Research in Physical Therapy (1 Credit)

Presentation of physical therapy research, article reviews, and clinical in-services. This course deals with the scientific research process with direct application to the discipline of Physical Therapy.

PHYT 788 - Evidence-Based Practice in Physical Therapy (2 Credits)

Research design and analysis techniques necessary for applying evidence-based practice to the clinical physical therapy setting.

PHYT 790 - Independent Study (1-3 Credits)

Topics to be approved by advisor and graduate director. Pass/fail grading.

PHYT 806 - Differential Diagnosis and Clinical Reasoning for Physical Therapists (2 Credits)

Students will gain knowledge and expertise to competently screen for systemic diseases, interpret clinical findings and differentially diagnose movement related impairments from medical conditions that can mimic symptoms of neuromusculoskeletal problems. Emphasis will be placed on Skills necessary to identify patient/client problems that require referral to another health professional.

PHYT 807 - Neuroplasticity and Genetics in Physical Therapy (1 Credit)

A study of neuroplasticity and genetics in relation to motor rehabilitation. Focus is on the analysis and application of key constructs in the design and implementation of rehabilitation interventions in individuals with neurologic diagnoses.

PHYT 808 - Neuro Repair - Rehabilitation (3 Credits)

Examination of neural repair and rehabilitation from a clinical perspective.

PHYT 809 - Neuromuscular Assessment and Treatment I (3 Credits)

Neurological conditions and interventions commonly used in physical therapy practice.

PHYT 810 - Neuromuscular Assessment and Treatment II (4 Credits)

Neurological conditions and interventions commonly used in physical therapy practice.

PHYT 811 - Pediatric Physical Therapy (3 Credits)

Assessment and evaluation of selected pediatric conditions.

PHYT 815 - Management of Physical Therapy Practice (2 Credits)

Theory and application of management supervision and leadership skills necessary for the practice of physical therapy.

PHYT 850 - Clinical Experience in Physical Therapy I (6 Credits)

A 320 hour clinical education experience to develop physical therapy management skills of orthopedic patients.

PHYT 851 - Clinical Experience in Physical Therapy II (6 Credits)

A 320-hour clinical education experience to develop physical therapy management skills of acute care patients.

PHYT 852 - Clinical Experience in Physical Therapy III (9 Credits)

Supervised clinical experience in a physical therapy setting.

PHYT 853 - Clinical Experience in Physical Therapy IV (9 Credits)

Supervised clinical experience in a physical therapy setting.

PHYT 860 - Clinical Experience in Physical Therapy IVa (1 Credit)

An 80 hour clinical education experience to demonstrate professional behaviors while safely managing a partial caseload.

PHYT 861 - Clinical Experience in Physical Therapy IVb (5 Credits)

A 400 hour clinical education experience to develop physical therapy management skills in a setting preferred by the student.

Prerequisites: PHYT 860.

PHYT 899 - Dissertation Preparation (1-12 Credits)

Prerequisites: consent of instructor.