

PHYSICAL THERAPY (PHYT)

PHYT 8800 Pathology 4 s.h.

Disease processes and trauma in humans from a structural and functional level; relationship between pathology and clinical signs and symptoms, etiology, differential diagnosis, prognosis, and treatment.

PHYT 8901 Clinical Decision Making 1 6 s.h.

Decision-making process for clinical management of uncomplicated cases in practice patterns. Emphasis on posture and movement assessment, safety, body mechanics, and monitoring physiological status.

Prereq.: Admission to DPT program.

PHYT 8902 Functional Anatomy 3 s.h.

Study of kinetics, kinematic variables, and mechanical properties of tissue; motion analysis: posture, gait and functional activities; environmental contexts and constraints, and life span applications.

Prereq.: Admission to DPT program.

PHYT 8903 Language, Culture, and Health 2 s.h.

Examination of cultural theory, language, and application to clinical interactions. Cultural assumptions and patterns of health-related activity related to disability, socioeconomic status, age, gender, ethnicity/race, sexual orientation, and religion.

Prereq.: Admission to DPT program.

PHYT 8904 Integrated Clinical Education Experience 6 s.h.

Initial clinical experience in examining, evaluating and treating basic patients/clients in four practice settings (acute care, outpatient, geriatric and rehab). Part-time, 12 week experience (3 weeks in each setting) under the supervision of a licensed physical therapist.

Prereq.: Admission to DPT program.

PHYT 8905 Clinical Decision Making 2 6 s.h.

Decision making process for clinical management of both routine and less common cases in practice patterns. Emphasis on outcomes research, personnel supervision, individualized and culturally-sensitive intervention, and program design.

Prereq.: Admission to DPT program.

PHYT 8906 Critical Inquiry 1 3 s.h.

Develop skills needed to create and answer clinical questions including: use of technology to obtain information: evaluation and application of the information for decision making. Examine the application of current literature to clinical decision making. Emphasis on written research communication methods: scientific writing, documentation and literature reviews. Examine the use of qualitative, quantitative and non-experimental research in health care that are used to inform physical therapy practices. Introduction of group research projects as a means of clinical inquiry.

PHYT 8907 Special Topics: Pediatrics 3 s.h.

Theories of human growth and development and application to typical and atypical motor development and illnesses or injuries of children. Clinical management of cases across the practice patterns with emphasis on family/caregiver participation, team approach, and setting-specific expectations.

Prereq.: Admission to DPT program.

PHYT 8908 Legal and Ethical Issues in Physical Therapy 2 s.h.

Foundation knowledge and skills necessary for legal and ethical practice of physical therapy. Emphasis on legal principles and concepts; contract, business, and educational law; ethical theory and ethical decision-making approaches; and professional code of ethics.

Prereq.: Admission to the DPT program.

PHYT 8909 Clinical Decision Making 3 6 s.h.

Evaluation of decision-making process for clinical management of complex and complicated cases. Emphasis on reimbursement, professional development, interprofessional activities, and program evaluation.

Prereq.: Admission to DPT program.

PHYT 8910 Critical Inquiry 2 2 s.h.

Analysis of literature based on historical and state of the art theories and methods. Evaluate research on selected physical therapy topics. Introduction to research ethics, IRB process and funding. Participation in faculty led, group research projects.

PHYT 8911 Special Topics: Geriatrics 2 s.h.

Theories of life span development and human aging with application to systems development and dysfunction. Emphasis on prevention, well elderly, and illnesses/injuries common to the elderly. Clinical management of cases, considering functional goals; cognition; pharmacology; and reimbursement issues.

Prereq.: Admission to DPT program.

PHYT 8913 Management and Leadership in Physical Therapy 2 s.h.

Theories of resource planning, management strategies for utilizing resources (human, information, fiscal, and space/equipment) for health care delivery, and clinical management issues in various physical therapy settings.

Prereq.: Admission to DPT program.

PHYT 8914 Clinical Education 2 4 s.h.

Second clinical experience in evaluating and treating a diverse caseload of illness/injury prevention, posture and movement dysfunction, and specialty practice. Includes supervision of support personnel, interprofessional evaluation and treatment, and administrative tasks. Six week full-time experience. Grading is S/U.

Prereq.: Admission to the DPT program.

PHYT 8916 Critical Inquiry 3 2 s.h.

Peer review of formally-presented case reports. Each student will then revise the report and design a clinically-related project based on the findings of the case report. The proposed projects will be presented to an interprofessional audience of faculty and area clinicians for assessment and feedback. Emphasis will be given to formal research proposals, clinical applications and resources for project implementation.

PHYT 8918 Professional Issues 2 s.h.

Discussion of professional topics related to entry-level practice, such as leadership, interagency and interprofessional collaboration, future trends and technologies, and opportunities for professional growth.

Prereq.: Admission to DPT program.

PHYT 8919 Clinical Education 3 6 s.h.

Continuation of clinical experience in evaluating and treating a diverse caseload illness/injury prevention, posture and movement dysfunction, and specialty practice. Includes supervision of personnel, inter professional practice, administrative tasks, and effective time management. Nine week, full-time experience. Grading is S/U.

Prereq.: Admission to DPT.

PHYT 8920 Clinical Education 4 12 s.h.

Final clinical experience in evaluating and treating a diverse caseload of illness/injury prevention, posture and movement dysfunction, and specialty practice. Collaborative client-oriented practice, professional conduct, and professional development. Fifteen weeks of full-time experience. Grading is S/U. 12 s.h..

Prereq.: Admission to DPT program.

PHYT 8921 Independent Study 1-6 s.h.

Individual study and projects under faculty supervision. May be repeated for a total of six semester hours.

Prereq.: Admission to DPT program, and permission of instructor and department chair.

PHYT 8922 Research 1-6 s.h.

Research under the supervision of a graduate faculty member. May be repeated for a total of six semester hours.

Prereq.: Admission to DPT program, and permission of instructor and department chair.

PHYT 8923 Community Applications 3 s.h.

Community-based project that encompasses the aspects of advocacy, collaboration, social responsibility, consultation and leadership, marketing/PR, and fiscal management.

Prereq.: Admission to the DPT Program.

PHYT 8924 Histology 1 s.h.

The study of the histological basis of human tissue. Emphasis on the relationship between microscopic structure of tissue types and organ function.

Prereq.: Admission to DPT program.

PHYT 8925 Applied Neuroscience for Physical Therapists 4 s.h.

Introduction to the anatomy and physiology of the human central and peripheral nervous systems. Interaction and relationships between the various structures are described in order to understand movement, sensation and higher cortical functions. Structure is related to function through clinical case examples with an emphasis on the importance for physical therapy assessment and intervention.

Prereq.: Admission to DPT program.

PHYT 8926 Imaging and Lifespan Pathology for PT 2 s.h.

Imaging principles, methods and findings to illustrate the relationship to treatment options and plans of care. Case-based examples illustrate the implications for physical therapy practice and referral. Common pathology highly relevant to physical therapy throughout the lifespan are discussed. Introduction to common scenarios for differential diagnosis.

Prereq.: Admission to DPT program.

PHYT 8928 Healthcare Delivery 1 s.h.

Global study of the delivery of healthcare in a broad-spectrum view. Emphasis is on the societal, economic, legal/ethical and cultural factors that influence healthcare. Multidisciplinary aspects are considered.

Prereq.: Admission to DPT program.

PHYT 8929 Clinical Decision Making 3: Advanced Cases 3 s.h.

In-depth analysis of patient/client cases which includes pharmacology influences and diversity aspects. Differential diagnosis skills will be further developed in respect to each case. Evidence-based practice will be emphasized.

Prereq.: Admission to DPT program.

PHYT 8930 Clinical Decision Making 4: Advanced Cases 2 s.h.

In-depth analysis of patient/client cases which includes pharmacology influences and diversity aspects. Differential diagnosis skills will be further developed in respect to each case. Evidence-based practice will be emphasized.

Prereq.: Admission to DPT program.

PHYT 8932 Pharmacology for PTs 1 s.h.

The study of pharmacologic principles, classifications and common pharmaceutical agents.

Prereq.: Admission to DPT program.

PHYT 8933 Clinical Foundation Skills 1 3 s.h.

Theories of professionalism in Physical Therapy practice including APTA/OPTA membership and benefits, fiscal responsibility, core values, professionalism, and healthcare compliance will be discussed. Basic patient assessment as it relates to anatomic principles will be taught and practiced and their clinical relevance will be reinforced.

Prereq.: Admission to DPT program.

PHYT 8934 Clinical Foundation Skills 2 2 s.h.

This course is a continuation of PHYT 8933. Theories of professionalism in Physical Therapy practice including patient and professional advocacy, communication skills, safety, and healthcare compliance will be discussed. Basic patient assessment as it relates to anatomic principles will be taught and practiced and their clinical relevance will be reinforced.

Prereq.: Admission to DPT program.

PHYT 8938 Special Topics in Physical Therapy 1-5 s.h.

Special interest physical therapy topics selected by the faculty which reflect current trends and issues in physical therapy practice. May be repeated as desired.

Prereq.: Admission to the DPT program.

PHYT 8944 Clinical Decision Making 4-Part 1 3 s.h.

Topics that integrate practice patterns (musculoskeletal, neuromuscular, cardiopulmonary, and integumentary) such as multiple trauma, burns, amputations, and critical care. Also includes complex cases within routine diagnoses, due to severity, chronicity or comorbidity. Emphasis on outcomes studies.

Prereq.: Admission to DPT.

PHYT 8945 Clinical Decision Making 4-Part 2 3 s.h.

Topics that integrate practice patterns (musculoskeletal, neuromuscular, cardiopulmonary, and integumentary) such as multiple trauma, burns, amputations, and critical care. Also includes complex cases within routine diagnoses, due to severity, chronicity or comorbidity. Emphasis on outcomes studies.

Prereq.: Admission to DPT.