PHYSICAL THERAPY COURSE DESCRIPTIONS

PT 801 Neurourologic Physical Therapy (3 credits)
This course includes a study of normal and abnormal structures and function of the neurologuscatal system and pathological alterations of structure and function, including diagnostic tests and measurements. Relevant tests and measures for determining impairment and differentiating the diagnosis based on the specificity and sensitivity of the assessment instrument(s) as related to patients with neuromuscular disorders are discussed. The use of evidence-based physical therapy interventions for neurologuscatal conditions are emphasized. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology in this area.

PT 802 Musculoskeletal Physical Therapy (3 credits)
This course includes a study of normal and abnormal structures and function of the musculoskeletal system and pathological alterations of structure and function, including diagnostic tests and measurements. This course discusses relevant tests and measures for determining impairment and differentiating the diagnosis based on the specificity and sensitivity of the assessment instrument(s) as related to patients with musculoskeletal disorders. The use of evidence-based physical therapy interventions for musculoskeletal conditions is emphasized. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology in this area, including comparing contemporary and traditional rehabilitation interventions with current medical-surgical management of patients.

PT 803 Cardiovascular and Pulmonary Physical Therapy (3 credits)
This course includes a study of normal and abnormal structures and function of the cardiovascular, pulmonary, and lymphatic systems. Pathological alterations of structure and function, including diagnostic tests and measurements are included. This course discusses relevant tests and measures for determining impairment and differentiating the diagnosis based on the specificity and sensitivity of the assessment instrument(s) as related to patients with cardiovascular and pulmonary disorders. The use of evidence-based physical therapy interventions for cardiovascular and pulmonary conditions is emphasized. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology in this area.

PT 804 Integumentary Physical Therapy (2 credits)
This course includes a study of normal and abnormal structures and function ofPathological alterations of structure and function, including diagnostic tests and measurements. This course discusses the use of evidence-based physical therapy interventions for integumentary conditions. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology.

PT 806 Pharmacology (3 credits)
This course covers the administration, physiologic response and adverse effects of drugs under normal and pathophysiologic conditions. Topics focus on the influence of drugs in rehabilitation patient/client management.

PT 807 Radiology and Imaging (2 credits)
This course includes the study of common diagnostic and therapeutic imaging studies. Students will become aware of the indications and implications of commonly used diagnostic imaging tests as they pertain to patient/client management.

PT 817 Professional Practice 1 (2 credits)
Current thinking on the role, responsibility, and accountability of the physical therapist, including application of ethical analysis and decision-making in physical therapist practice and the current healthcare environment are discussed.

PT 818 Professional Practice 2 (3 credits)
The doctoring profession and responsibilities of the professional to the profession, the public, and the healthcare community are discussed.

PT 819 Differential Diagnosis and Screening for Medical Conditions (3 credits)
This course discusses how to conduct a physical therapy interview and analyze the information to identify pertinent personal/family history, risk factors, systems, and relevant tests and measures. The student will learn how to conduct system reviews to identify anatomical and physiological status of the body systems and communication, affect, cognition, and learning styles. This course discusses the physical therapy interventions for gastrointestinal, hepatic, genitourinary, immunology, hematological, and endocrine systems conditions. Normal and abnormal structures and function of the gastrointestinal, hepatic, genitourinary, immunological, hematological, and endocrine systems and pathological alterations of structure and function including diagnostic tests and measurements are included.

PT 825 Extremity Manual Therapy (3 credits)
This course covers the theory and techniques of manual therapeutics as applied to the upper and lower extremities.

PT 826 Spinal Manual Therapy (3 credits)
This course covers the theory and application of evaluation and treatment techniques to spinal conditions. Included in this course will be evaluation and treatment of spinal dysfunctions, spinal manual therapeutics, and spinal stabilization exercises.

PT 828 Pediatric Physical Therapy (3 credits)
This course discusses relevant tests and measures for determining impairment and differentiating the diagnosis based on the specificity and sensitivity of the assessment instrument(s) as related to patients with pediatric disorders. The use of evidence-based physical therapy interventions for pediatric conditions will be emphasized. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology in this area.

PT 830 Geriatrics (2 credits)
This course discusses relevant tests and measures for determining impairment and differentiating the diagnosis based on the specificity and sensitivity of the assessment instrument(s) as related to patients with geriatric disorders. The use of evidence-based physical therapy interventions for geriatric conditions will be emphasized. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving technology in this area.

PT 831 Gender Healthcare in Physical Therapy (2 credits)
This course discusses relevant literature and current management approaches for conditions with gender-specific characteristics. Topics will focus on analyzing and comparing contemporary and traditional interventions and the impact of evolving knowledge in this area.
PT 838 Terminal Project (3 credits)
A professional is judged by their contribution to the profession and the communities they serve. The terminal project provides each graduate an opportunity to demonstrate his/her knowledge and skills in an applied or research project.

HEALTH PROFESSIONS COURSE DESCRIPTIONS (Multi-Disciplinary Courses)

HP 800 Medical Informatics (1 credit, pass/fail)
This course includes an introduction to the use of technology in healthcare as well as use of the distance learning technologies used in course offerings.

HP 808 Statistics (3 credits)
Basic statistics including central tendency, probability, percentile ranks, confidence intervals, and interpretation of results are covered in this course.

HP 809 Quantitative Research Methods and Designs (3 credits)
This course includes discussion on basic quantitative methods and designs, including concepts of reliability and validity, interpretation of inferential statistics related to research designs, correlational statistics & designs, intraclass correlation coefficients, and critical appraisal of the literature.

HP 811 Evidence-Based Practice in Physical Therapy 1 (2 credits)
Evidence-based clinical decision making skills are covered in this course, including locating and accessing sources of evidence, and evaluating levels of evidence, applying evidence to clinical practice, and integrating evidence, patient values and preferences and clinical experiences. This course is designed to provide the professional with knowledge and skills in critical inquiry, including review and analysis of articles and writings in professional and medical journals and books. Literature review and data collection methods for professional literature will be included.

HP 812 Evidence-Based Practice 2 (3 credits)
Outcome measures relating to functional disability, general health status, and patient/client satisfaction used to assess and guide rehabilitation management are studied in this course. The importance of key measurement properties (reliability, validity, responsiveness) of outcome measurement tools and strategies to assess and select appropriate scales for clinical practice will be studied. Application of outcome data to clinical and management decisions will be emphasized.

HP 813 Educational Theory and Practices (2 credits)
Teaching and learning theory, including discussions of teaching and learning as it applies to patients, clinical experiences, and formal educational settings are discussed. Evaluation and program development of educational components of practice are covered.

HP 814 Issues in Diverse Populations and Settings (2 credits)
Communication and cultural competencies, including principles of professional communication of cultural competencies, conflict resolution, negotiation skills, networking, and awareness of cultural differences are studied in this course. Students will study practice settings and patient/client groups from diverse populations, rural, and urban settings for their impact on healthcare.

HP 815 Health and Wellness (2 credits)
This course includes discussion on the theories of health and wellness, including motivational theory, locus of control, public health initiatives, and psycho-social, spiritual, and cultural considerations. Health risks, screening, and assessment considering epidemiological principles are emphasized. Risk reduction strategies for primary and secondary prevention, including programs for special populations are covered.

HP 834 Delivery Systems, Legislation and Regulation (2 credits)
This course includes discussion of delivery systems, legislation, and regulation, including measuring access to and outcomes of different healthcare delivery models, public health policy, political systems, reimbursement models, ethical issues, and advocacy to improve healthcare policy. Corporate/legal and regulatory factors, including liability, risk management, and regulation (state practice acts and various accrediting agencies such as JCAHO and CARF).

HP 835 Reimbursement Systems, Issues, and Strategies (2 credits)
This course includes a review of different reimbursement systems in healthcare to include Medicare, Medicaid, fee-for-service, capitation, workers compensation and contractual care. Issues in reimbursement and strategies for overcoming challenges of reimbursement in rehabilitation will be covered.

HP 836 Business Planning (2 credits)
This course includes discussions on business planning, including strategic planning, financial management, personnel management, and physical resource management as it relates to the healthcare industry.

HP 837 Communication Skills in Business Management, Marketing, and Public Relations (2 credits)
This course includes discussions of communication skills in business management, including networking, advocacy, conflict management, negotiations, and consultation. Use of technology is emphasized.