

POST PROFESSIONAL MASTERS OF SCIENCE IN REHABILITATION COURSE DESCRIPTIONS 2016-2017:

AHCJ 519 Graduate Wholeness Portfolio (1)

Student develops portfolio that demonstrates the graduate student's ability to meet the goals set by the School of Allied Health Professions.

AHCJ 545 Legal and Ethical (3)

History and structures of federal and state governments, including torts, contracts, administrative law, criminal law, and reporting issues. Legal and critical issues in patient confidentiality and release of patient information. The impact of technology on the collection and dissemination of patient information. Medical legal liability issues, including corporate compliance.

AHRM 571 Statistics and Research for Health Professionals I (3)

Present statistical methods relative to research design for health professionals, with introduction to SPSS statistical package for computer data analysis. Discusses philosophical approaches to scientific inquiry, range of research designs, roles of variables, and ethics. Critical analysis of scientific literature related to an identified professional practice area, which results in an evidence-based practice paper.

AHRM 572 Statistics and Research for Health Professionals II (3)

Advanced conceptual frameworks, data analyses, and techniques in quantitative and qualitative research. Emphasizes process for obtaining and using evidence-based research. Data analysis of a small data set in order to answer a research question and write a formal results section complete with appropriate tables and graphs.

PTGR 500 Integrative Approach to Early Rehabilitation (3)

Advanced study in acute and skilled nursing facility rehabilitation as it applies to the early physical therapy rehabilitation process. Emphasis will be placed on cardiopulmonary coding systems, evaluations for acute rehabilitation including spinal cord injury and cardiovascular accident patients. Effective tools and physical therapy advances in evidence based practice will be emphasized.

PTGR 501 Advanced Specialty Tracks (3)

Presentation of the newest clinical treatment application over the spectrum of the patient population in the field of Orthopaedic physical therapy.

PTGR 503 Medical Documentation and Billing (3)

Expands on basic principles of medical documentation and communication. Emphasizes expanded skills needed in the clinical setting, including but not limited to the following: Documentation following Medicare guidelines and the Guide to Physical Therapy Practice, justification of care using measureable objective data, home health episodic payment, billing and reimbursement, workers compensation, interdisciplinary communication, medical dictation, and electronic medical records and documentation as they relate to physical therapy.

PTGR 505 *Orthopaedic Intervention (3)*

An advanced study of the management of orthopaedic and neurological disorders of the extremities. This is a clinical course designed to strengthen your knowledge and application of mobilization techniques to the joints and nerves of the periphery through lecture, laboratory sessions, case studies, and/or cadaveric specimen guided study (as available).

PTGR 506 *Soft-tissue Mobilization (3)*

This course is designed to develop a fundamental clinical-reasoning process for management of soft tissue impairments through the following avenues: identification and analysis of common patterns of postural and movement imbalances, ascertaining location of movement restrictions in the soft tissue, developing a treatment strategy to correct musculoskeletal imbalances and effectively implementing an appropriate treatment program utilizing soft tissue techniques. Emphasis will be placed on kinesiology, clinical patterns and clinical implications of muscle flexibility or motor control deficits of the muscles in concert with recognizing and demonstrating proper body mechanics/movement fundamentals during the performance of manual therapy procedures. Efficacy of treatment will be accurately determined through specific reassessment of subjective and objective data.

PTGR 507 *Advanced Pediatric Clinical Practice (3)*

Physical therapy management of the pediatric patient. Emphasizes observation and analysis of typical development, common movement dysfunctions, and evidenced-based interventions and treatment techniques for the developmentally delayed child.

PTGR 508 *Topics in Neuro Rehabilitation (3)*

Presents evidence-based physical therapy treatment applications topics for neurologically impaired patients throughout their lives. The course integrates evaluation and treatment of acquired brain injury, cerebral palsy, spinal cord injury, spina bifida, diabetic neuropathies and amputations. Emphasizes the role of the physical therapist in designing treatment plans, integrating family training and maximizing independence using the International Classification of Functioning, Disability and Health (ICF) model. Teaches integration of various treatment philosophies and techniques and how they apply to patients as they age and navigate the health system.

PTGR 509 *Function-Based Rehabilitation (3)*

This course covers current physical therapy trends relevant to adult neurological rehabilitation. Areas of emphasis include PNF and NDT, Neurological and orthopaedic rehabilitation strategies are integrated. Students will be exposed to material through a combination of lecture, discussion, presentation, and laboratory sessions.

PTGR 510 *Neurologic Upper Extremity Management (3)*

An evidence-based course that covers the functional implications of neurological pathologies and emphasizes current clinical management of the upper extremity. Topics include spasticity, soft tissue and joint mobilization, constraint-induced movement therapy, and proprioceptive neuromuscular facilitation.

PTGR 573 *Pathokinesiology of Gait* (3)

Advanced observational analysis of normal and abnormal human locomotion, with comparison of pathological differences.

PTGR 690 *Research Rotations* (2)

Involves students in the research and discovery culture of the university and clinical settings through observation of and/or participation in ongoing faculty research and grant projects, as well as graduate student research projects. Includes research data-collection equipment, mentorship, dissertation defenses, research finding presentations, and/or pilot studies that students design for this practicum experience.

RELR 575 *Art and Science of Whole Person Care*(3)

A study of the relationship of the physical, mental, relational and spiritual dimensions of whole person care in the giving of health care.