DEPARTMENT OF PHYSICAL THERAPY

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Accreditation
The Doctor of Physical Therapy Program at Western Kentucky University is accredited by:
The Commission on Accreditation in Physical Therapy Education (CAPTE)
(http://www.capteonline.org)
1111 North Fairfax Street
Alexandria, Virginia 22314
(703) 706-3245
accreditation@apta.org

Degree(s)
- Physical Therapy (DPT) (http://catalog.wku.edu/graduate/health-human-services/physical-therapy/doctor-physical-therapy)

Faculty
Professor
Harvey Wallmann, DSc (Physical Therapy), Loma Linda University, 2000

Associate Professor
Kurt R. Neelly, PhD (Education), University of Kansas Medical Center, 2002
Elizabeth S. Norris, PhD (Health Sciences), Seton Hall University, 2003
Sonia N. Young, EdD (Educational Leadership), University of the Cumberlands, 2013

Assistant Professor
David L. Bell, DPT, University of Kentucky, 2012
Sonya C. Dick, DPT (Physical Therapy), College of Saint Scholastica, 2016
Karen E. Furgal, DPT (Physical Therapy), SUNY at Stony Brook, 2008
William R. Vanwye, DPT (Entry Level Physical Therapy), University of Indianapolis, 2006

Physical Therapy Courses

DPT 700 Orientation to Physical Therapy 1 Hour
Provide the student with an orientation to the physical therapy profession including specific clinical education policies and procedures and clinical placement.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 705 Topics in Physical Therapy 1 Hour
Forum to disseminate information to students on contemporary professional issues in physical therapy.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 711 Principles of Physical Assessment I 1 Hour
Introduction to basic patient assessment skills, including surface palpation and vital signs.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 712 Principles of Physical Assessment II 2 Hours
Additional patient assessment skills, including manual muscle testing, reflex testing, sensory testing, and abdominal quadrant screening.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 713 Principles of Physical Assessment III 2 Hours
Additional patient assessment skills, including goniometry, posture, anthropometric measures, with an introduction to patient history and documentation in SOAP note format.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 715 Patient Care Techniques 3 Hours
Performance and application of positioning skills, bed mobility, transfers, and gait training techniques (including assistive devices) across the continuum of care.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 720 Gross Human Anatomy I 2 Hours
The study of gross human anatomy, including muscle, tendon, ligament, and vascular supply of the upper and lower extremities.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 721 Gross Human Anatomy I Lab 1 Hour
Gross human anatomy cadaver lab with supervised dissection and exploration of muscle, tendon, ligament, and nerve innervation of the upper and lower extremities.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 722 Gross Human Anatomy II 2 Hours
The study of gross human anatomy, including muscle, tendon, ligament, innervation and vascular supply of the head, neck, trunk, pelvic, thoracic, and abdominal regions.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 723 Gross Human Anatomy II Lab 1 Hour
Gross human anatomy cadaver lab with dissection of muscle, tendon, ligament, innervation, and vascular supply of head, neck, trunk, pelvic, thoracic, and abdominal regions.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 724 Pathophysiology 4 Hours
Fundamentals of physiology and pathology related to diseases causing abnormal movement patterns or capabilities. Processes and diseases most frequently encountered in physical therapy practice emphasized.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 725 Orthopaedic Foundations 3 Hours
Principles of orthopaedic physical therapy including biomechanics, applied anatomy, and osteokinematic and arthokinematic concepts. Musculoskeletal system investigation from histological, structural, and functional perspectives.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

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DPT 727 Health Promotion and Wellness in Physical Therapy  2 Hours
This course will create a forum to prepare students for clinical competencies regarding health promotion/wellness as it relates to physical therapy.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; fall 2016; fall 2017

DPT 728 Clinical Exercise Physiology  2 Hours
Overview of the physiologic responses of the human body to exercise and training in normal and patient populations.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 729 Pharmacology in Physical Therapy  2 Hours
Actions and effects of pharmaceutical agents commonly encountered in physical therapy clinical practice.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 736 Neuroanatomy  3 Hours
Anatomy of the central and peripheral nervous systems, emphasizing structure and functional relationships in normal and pathological states.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 737 Neurophysiology  3 Hours
The study of human motor and sensory neurophysiology, cognitive and learning neuropsychology, neuropathophysiology, and neuroplasticity.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 738 Motor Control  2 Hours
This course will prepare students to understand and apply motor control principles as it relates to physical therapy.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 740 Physical Modalities  3 Hours
The clinical application of soft tissue techniques, thermal agents, intermittent compression, continuous motion, electrical stimulation, and mechanical traction.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; fall 2016; fall 2017

DPT 742 Diagnostic Testing and Imaging  2 Hours
Presentation of diagnostic tests and interpretation of results as it applies to physical therapy evaluation, intervention, planning and treatment.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 745 Integumentary System  2 Hours
Clinical practice of wound care including assessment tools, dressings, and treatment approaches.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 746 Orthopaedic Assessment  4 Hours
Evaluation and assessment of upper and lower extremity orthopaedic dysfunctions.
Prerequisite(s): DPT 726; Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 747 Women’s Health in Physical Therapy  2 Hours
Discussion of physical therapy management of musculoskeletal, integumentary, cardiopulmonary, and genitourinary pathologies common to women.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; summer 2016; fall 2017

DPT 748 Prosthetics and Orthotics  2 Hours
Design, fabrication and fitting, and management of individuals requiring prosthetic and orthotic devices.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2015; spring 2016; spring 2017

DPT 749 Neurological Assessment  1 Hour
Physical therapy examination, evaluation, and assessment of individuals with neurologically-based movement disorders.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2017

DPT 751 Supervised Clinical Education I  4 Hours
This full-time first clinical education experience provides students the opportunity to actively engage in experiential learning and develop introductory clinical competence. Students are responsible for transportation to and from off-campus experiences.
Prerequisite(s): Open only to DPT students in good standing.
Grade Mode: Pass/Fail
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 752 Supervised Clinical Education II  5 Hours
This full-time second clinical education experience provides students additional opportunities for experiential learning and further development of clinical competence. Students are responsible for transportation to and from off-campus experiences.
Prerequisite(s): DPT 751; Open only to DPT students in good standing.
Grade Mode: Pass/Fail
Recent Term(s) Offered: summer 2015; summer 2016; summer 2017

DPT 753 Supervised Clinical Education III  7 Hours
The third full-time clinical education experience provides students opportunities for refinement of their professional behaviors and examination skills, and development of intervention techniques. Students are responsible for transportation to and from off-campus experiences.
Prerequisite(s): DPT 752; Open only to DPT students in good standing.
Grade Mode: Pass/Fail
Recent Term(s) Offered: fall 2015; fall 2016; fall 2017

DPT 754 Supervised Clinical Education IV  9 Hours
The fourth full-time clinical education experience provides students the opportunity to further develop skills and display clinical competence as an autonomous physical therapist. Students are responsible for transportation to and from off-campus experiences.
Prerequisite(s): DPT 753; Open only to DPT students in good standing.
Grade Mode: Pass/Fail
Recent Term(s) Offered: spring 2016; spring 2017

DPT 760 Professional Issues  2 Hours
Professional issues pertinent to physical therapy, including state and national associations, state and federal laws, standards of practice, and code of ethics.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: spring 2015; spring 2016; spring 2017

DPT 761 Physical Therapy Management and Administration I  1 Hour
Foundational concepts of business principles for doctor of physical therapy students with an emphasis on leadership, administration, management, and professionalism.
Prerequisite(s): Open only to DPT students in good standing.
Recent Term(s) Offered: summer 2017
DPT 762  Physical Therapy Management and Administration II  3 Hours  
General principles of organization and administration that impact the ethical and legal aspects of physical therapy practice.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2015; spring 2016; spring 2017

DPT 770  Orthopaedic Rehabilitation  4 Hours  
Manual therapy, exercise techniques, intervention, and progressions for individuals with orthopaedic pathologies and dysfunctions.  
**Prerequisite(s):** DPT 746; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** fall 2015; fall 2016; fall 2017

DPT 771  Neurological Rehabilitation  4 Hours  
Emphasis on hands-on skill development, clinical reasoning, and critical analysis for treating individuals with neurologically-based movement disorders.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** fall 2015; fall 2016; fall 2017

DPT 772  Cardiopulmonary Rehabilitation  3 Hours  
Evaluation and treatment of patients with cardiopulmonary disease and dysfunction, emphasizing the response of cardiac, circulatory and pulmonary systems to exercise.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** summer 2015; summer 2016; summer 2017

DPT 774  Spine Assessment and Intervention  3 Hours  
Spine assessment and treatment, including mobilizations, special tests, and exercise progressions, in patients with spine dysfunction.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2015; spring 2016; spring 2017

DPT 775  Screening for Referral  4 Hours  
A systems-based approach to differential screening and diagnosis to determine if further medical referral is necessary.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** fall 2015; fall 2016; fall 2017

DPT 777  Geriatric Physical Therapy  1 Hour  
This course will explore the physical and psycho-behavioral aspects of aging. Students will review typical physiologic response to aging and the effects of these changes on the function of older clients being treated in various physical therapy settings. A problem-solving approach to management of older patients with varied degree of medical complexity in multiple settings will be emphasized.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** None

DPT 779  Pediatric Physical Therapy  3 Hours  
Examination of the factors affecting normal and pathologic development in infants and children to age 21. Additionally, treatment techniques appropriate to these populations will be covered.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2015; spring 2016; spring 2017

DPT 781  Research in Physical Therapy I  3 Hours  
An introduction to clinical research in physical therapy, dealing with research design and methodology, as well as the development of a research project topic.  
**Prerequisite(s):** Open only to DPT students in good standing.  
**Recent Term(s) Offered:** fall 2015; fall 2016; fall 2017

DPT 782  Research in Physical Therapy II  3 Hours  
Further development of the research topic, critical review of clinically relevant research literature, IRB submission, and the initiation of data collection.  
**Prerequisite(s):** DPT 781; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2015; spring 2016; spring 2017

DPT 783  Research in Physical Therapy III  3 Hours  
Use of SPSS for physical therapy related data analysis, including descriptive statistics, statistical inference, analysis of differences, and analysis of relationships.  
**Prerequisite(s):** DPT 782; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** summer 2015; summer 2016; summer 2017

DPT 784  Research in Physical Therapy IV  1 Hour  
Continuation of the Research track in Physical Therapy. Emphasis placed on data collection and application of applied research statistics.  
**Prerequisite(s):** DPT 783; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2015; spring 2016; spring 2017

DPT 785  Research in Physical Therapy V  1 Hour  
Continuation of the Research track in Physical Therapy, with emphasis on research project completion and preliminary presentation to research advisor.  
**Prerequisite(s):** DPT 784; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** fall 2015; fall 2016; fall 2017

DPT 790  Physical Therapy Seminar  1 Hour  
Completion of research project with dissemination of results in manuscript form and formal presentation to faculty and area clinicians.  
**Prerequisite(s):** DPT 785; Open only to DPT students in good standing.  
**Recent Term(s) Offered:** spring 2016; spring 2017