Marshall University Graduate College
Plan of Study – School of Physical Therapy
Class of 2029
Doctor of Physical Therapy Degree

Course No.	Hrs.	Year	Term	Semester	Course Title	Grade	Completion Date	Course Coordinator
PT 700	5	1	Summer	1	Gross Anatomy for Physical Therapy			Dauber
PT 710	3	1	Summer	1	Clinical Skills I			Davis
PT 750	2	1	Summer	1	Foundations of Physical Therapy Practice			Simpson
PT 761	2	1	Summer	1	Evidence-Based Practice I			Sodhi
	12							
PT 701	4	1	Fall	2	Neuroanatomy			Chiu
PT 711	3	1	Fall	2	Kinesiology and Biomechanics in PT			Liang
PT 720	3	1	Fall	2	Advanced Clinical Physiology			Bose
PT 731	3	1	Fall	2	Clinical Skills II			Walters
PT 741	2	1	Fall	2	Medical Pathology in PT I – General			Bose
PT 751	2	1	Fall	2	Legal/Cultural Issues in PT			Simpson
	17							
PT 712	3	1	Spring	3	Motor Control and Development in PT			Liang
PT 732	3	1	Spring	3	Therapeutic Exercise			Profitt
PT 742	2	1	Spring	3	Medical Pathology in PT II –MSK			Johnson
PT 744	3	1	Spring	3	Medical Pathology in PT III- Neuro			Chiu
PT 763	2	1	Spring	3	Evidence-Based Practice II			Sodhi
PT 781	3	1	Spring	3	Orthopedics in PT I			Johnson
PT 790	1	1	Spring	3	Integrated Clinical Education in PT I			Walters
PT 745	1	1	Spring	3	Imaging in Physical Therapy			Simpson
	18							
PT 713	2	2	Summer	4	Outcome Measures in PT			Peek
PT 747	2	2	Summer	4	Pharmacology in Physical Therapy			Bose
PT 771	1	2	Summer	4	Clin Application Sem & Experiences I			Peek
PT 782	4	2	Summer	4	Orthopaedics in PT II			Profitt
PT 733	1	2	Summer	4	Therapeutic Modalities			Johnson
PT 734	1	2	Summer	4	Clinical Skills III			Walters
PT 748	1	2	Summer	4	Pain Science			Davis
	12							
PT 702	1	2	Fall	5	Neuroevaluation			Stephens
PT 721	3	2	Fall	5	Applied Exercise Physiology			Shepherd
PT 754	1	2	Fall	5	Healthcare Delivery Systems			Simpson
PT 764	1	2	Fall	5	Evidence-Based Practice III-Capstone			All Faculty
PT 772	1	2	Fall	5	Clin Application Sem & Experiences II			Profitt
PT 758	1	2	Fall	5	PM & BC in PT			Prather
PT 791	4	2	Fall	5	Clinical Internship I			Walters
	12							
PT 704	4	2	Spring	6	Neurorehabilitation			Prather
PT 755	1	2	Spring	6	Service-Learning Practicum			Simpson
PT 765	1	2	Spring	6	Evidence-Based Practice IV-Capstone			All Faculty
PT 773	1	2	Spring	6	Clin Application Sem & Experiences III			Johnson
PT 783	4	2	Spring	6	Cardio-Pulmonary Physical Therapy			Bose
PT 786	3	2	Spring	6	Pediatrics & Geriatrics in PT			Walters/Lawhon
	14							

Course No.	Hrs.	Year	Term	Semester	Course Title	Grade	Completion Date	Course Coordinator
PT 756	3	3	Summer	7	Administration in PT			Simpson
PT 766	1	3	Summer	7	Evidence-Based Practice V –Capstone			All Faculty
PT 774	1	3	Summer	7	Clin Application Sem & Experiences IV			Stephens
PT 784	2	3	Summer	7	Integumentary			Stephens
PT 787	2	3	Summer	7	Prosthetics & Orthotics			Profitt
PT 799	1	3	Summer	7	Integration & Review			Davis
	10							
PT 788	1	3	Fall	8	Special Topics in Physical Therapy			Profitt
PT 714	1	3	Fall	8	Movement Integration			Johnson
PT 789	2	3	Fall	8	Orthopaedics III (Primary Care PT)			Dauber
PT 794	1	3	Fall	8	Integrated Clinical Experiences in PT II			Stephens
PT 792	6	3	Fall	8	Clinical Internship II			Walters/Prather
	11							
PT 767	1	3	Spring	9	Evidence-Based Practice VI- Capstone			All Faculty
PT 785	2	3	Spring	9	Health Promotion and Nutrition (Distance)			Walters
PT 793	6	3	Spring	9	Clinical Internship III			Prather
	9							

TOTAL HOURS 115

School of Physical Therapy: DPT Course Descriptions

Semester	#	Credits	Course Title	Course Description
Year 1 Summer I 1	PT 700	5	Gross Anatomy for Physical Therapy	Lecture and laboratory focusing on anatomical structure and function of the human body. Cadaveric dissection provides practical experiences allowing students to develop working images of the body and its function.
	PT 710	3	Clinical Skills I	Lecture and laboratory introducing students to basic histology of connective, nervous, epithelial and muscle tissue utilized in human movement, palpation, goniometry and manual muscle testing.
	PT 750	2	Foundations of PT Practice	Introduces students to medical terminology, historical foundations, and contemporary practice of physical therapy, traditional and emerging roles and responsibilities and professional behaviors of the physical therapist and issues of self-awareness and communications.
	PT 761	2	Evidence-Based Practice I	Decision making, diagnosis, and hypothesis development, utilization of information sources, and principles, concepts, and skills required to critically analyze and conduct clinical research in physical therapy.
Year 1 Fall I 2	PT 701	4	Neuroanatomy	Normal and abnormal structure and function of central, peripheral and autonomic systems, neurodevelopment, and neural mechanisms mediating motor control and pain with emphasis on clinical relevance to physical therapy.
	PT 711	3	Kinesiology & Biomechanics in PT	Biomechanical terminology and principles, muscle actions, joint mechanics, joint segments and whole-body movement pattern analysis, and mastery of human movement observational analysis skills necessary for differential diagnosis of movement dysfunction.
	PT 720	3	Advanced Clinical Physiology	Reviews normal human cellular- and organ-level physiology, histology, and function, and introduces related topics of pathophysiology including: clinical signs and symptoms, clinical laboratory science, medical management and pharmacological issues.
	PT 731	3	Clinical Skills II	Theory/practice of essential physical therapy skills, including clinical decision making, interview, postural and functional assessment, safe patient handling techniques of positioning, bed mobility, transfers, and use of assistive devices.
	PT 741	2	Medical Pathology in PT I-General	Pathological conditions, and medical and surgical considerations for treatment of genetic, gastrointestinal renal, endocrine and metabolic, immune, hematologic, and infectious disorders in patients treated by physical therapists.
	PT 751	2	Legal-Cultural Issues in PT	Development of cultural competence, analysis, and practice of communications skills including documentation, professionalism, group dynamics and leadership to assume roles of practitioner, instructor, supervisor, and leader.

Year 1 Spring I 3	PT 712	3	Motor Control and Development in PT	Reviews maturation of movement systems, lifespan motor skills development, and contemporary theories of motor control and learning to build evidence-based foundations for evaluation and management of movement dysfunction.
	PT 732	3	Therapeutic Exercise	Lecture and laboratory introduction to the science, principles, and techniques of therapeutic exercise including range of motion, flexibility, motor control, strength, coordination, and balance for patient treatment across the life-span.
	PT 742	2	Medical Pathology in PT II-Musculoskeletal	Pathological conditions, and medical and surgical considerations for treatment of musculoskeletal disorders in patients treated by physical therapists.
	PT 744	3	Medical Pathlogy in PT III-Neuro	This course reviews the functional neuroanatomy and neuropathology correlated with select neuropathological conditions or injury, focusing on etiology, epidemiology, medical/surgical considerations, neural substrates of cognitive, perceptual, and sensorimotor function in patients treated by physical therapists.
	PT 763	2	Evidence-Based Practice II	Students are guided through the process of a Systematic Literature Review development on a topic selected by the student and their Faculty Research Advisor and learn to apply principles of research to the clinical decision-making process and to make recommendations for practice.
	PT 781	3	Orthopedics in PT I	The basic principles of orthopedic medicine including an overview of etiology, diagnosis, and surgical management will be covered. Physical Therapy examination, evaluation, diagnosis, and treatment of extremities and spine will be emphasized.
	PT 790	1	Integrated Clinical Experiences in PT I	Supervised clinical experiences and seminar sessions designed to provide exposure to the clinical practice of physical therapy, focused on psychomotor and affective behaviors, while applying previously acquired didactic information.
	PT 745	1	Imaging in Physical Therapy	Students will gain an understanding of the use of medical imaging by physical therapists. Plain film and advanced imaging modalities are covered. Clinical decision making is emphasized.

Year 2 Summer II 4	PT 713	2	Outcome Measures in PT	Assessment of constraints to normal movement, application of standardized tools for assessment of movement dysfunction, examination of statistical data (population-specific reliability, validity, sensitivity, specificity, odds ratios) of said tools.
	PT 747	2	Pharmacology in Physical Therapy	Examination of the effects of commonly used prescription, over the counter and homeopathic drugs. Focus on method of action, indications, contraindications, side effects and impact on physical therapy patients.
	PT 771	1	Clinical Application Seminar and Experiences I	Application of knowledge and skills through small group discussion and simulation, focusing on non-ambulatory settings, basic orthopaedic conditions in ambulatory setting, telehealth, and integration of outcome measures.
	PT 782	4	Orthopaedics in PT II	Advanced concepts of musculoskeletal examination, evaluation, diagnosis and treatment of the extremities and spine will be covered. An evidence-informed/clinical reasoning-based manual therapy approach will be used including mobilization and manipulation.
	PT 733	1	Therapeutic Modalities	Physiological effects and the clinical application of therapeutic modalities (biophysical agents) in physical therapy practice.
	PT 734	1	Clinical Skills III	Comprehensive patient/client management approach for conditions in acute care involving clinical decision-making, effective communication, safety, patient management, discharge planning, and introduction to equipment, lines & tubes, lab values, and medications.
	PT 748	1	Pain Science	A study of the multidimensional nature of pain using a biopsychosocial approach that includes contemporary pain science theories, concepts and principles, and the holistic assessment and management of pain in physical therapy practice.

Year 2 Fall II 5	PT 702	1	Neuroevaluation	Comprehensive screening, exam and evaluation of patients with neurological dysfunction with focus on selection and interpretation of examination components in order to discern underlying pathophysiology reflective of neurological dysfunction.
	PT 721	3	Applied Exercise Physiology	Physiological effects of exercise and training in heathy individuals and individuals with pathological dysfunction.
	PT 754	1	Healthcare Delivery Systems	Micro and macro principles of healthcare delivery systems, sites, and organizations and pro bono services. Legalities of appropriate documentation for third-party payers and federal insurance programs are addressed.
	PT 764	1	Evidence-Based Practice III-Capstone	Continuation of Evidence-Based Practice II where students receive continued guidance in the completion of the faculty-led capstone project begun in EBP II. Presentation of capstone required before graduation.
	PT 772	1	Clinical Application Seminar and Experiences II	Application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and pseudo-clinical setting. Focus on management of moderately complex neuromusculoskeletal dysfunction in a variety of settings.
	PT 758	1	Patient Motivation & Behavior Change in PT	Introduction to patient motivation and behavioral change in physical therapy practice. Emphasis on practical strategies to promote healthy patient/client change leading to improved human movement and overall health.
	PT 791	4	Clinical Internship I	Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in clinical settings. Competence is expected in areas of the material presented to date in the curriculum.

Year 2 Spring II 6	PT 704	4	Neurorehabilitation	Theoretical basis and clinical application of neurophysiological approaches to treatment utilizing motor control, sensorimotor development, and integration principles, including discussion and practice of current methods of evaluation and intervention.
	PT 755	1	Service-Learning Practicum	Allows participation in service-learning programs developed in Professional Practice III, emphasizing advocacy for the health needs of the region, as well as coordination with community agencies.
	PT 765	1	Evidence-Based Practice IV-Capstone	Continuation of Evidence-Based Practice III where students receive continued guidance in the completion of the faculty-led capstone project begun in EBP II. Presentation of capstone required before graduation.
	PT 773	1	Clinical Application Seminar and Experiences III	Application of knowledge and skills learned in the curriculum through small group discussion, simulation, and intra-/interprofessional collaboration with a focus on cardiopulmonary and neurologic dysfunctions.
	PT 783	4	Cardio-Pulmonary Physical Therapy	An overview of cardiovascular and pulmonary systems pathologies, medical diagnosis and management and physical therapy diagnosis, examination, assessment and management of related physiological and movement dysfunctions.
	PT 786	3	Pediatrics & Geriatrics in Physical Therapy	Principles of evaluation and treatment in the areas of pediatrics and geriatrics. Emphasis placed on biopsychosocial aspects of developmental disabilities, coordination of care and complexities of multi-system and multi-organ disease.

Year 3 Summer III 7	PT 756	3	Administration in Physical Therapy	Emphasis on administration of clinical practice in multiple settings. Information about licensure, attainment and retention of employment, professional organization membership, residency and fellowship programs, and specialization.
	PT 766	1	Evidence-Based Practice V- Capstone	Continuation of Evidence-Based Practice IV where students receive continued guidance in the completion of the faculty-led capstone project begun in EBP II. Presentation of capstone required before graduation.
	PT 774	1	Clinical Application Seminar and Experiences IV	Continued application of information and clinical skills learned in concurrent and prior DPT coursework in a small group discussion and simulatedclinical setting- Focus on neurological, integumentary dysfunctions, and prosthetic & orthotic prescription.
	PT 784	2	Integumentary	Review of structure, function, and applied pathophysiology of integumentary and lymphatic systems. Includes examination and management of common integumentary and lymphatic impairments focusing on prevention, restoration, and optimizing independence.
	PT 787	2	Prosthetics & Orthotics	Principles of evaluation and management of patients with amputation and/or neuromuscular disorders to maximize functional independence. Focus on prosthetic and orthotic prescription, components, fabrication, fit, and use during functional activities.
	PT 799	1	Integration & Review	Integration and review of clinical physical therapy principles and concepts in preparation for the National Physical Therapy Board Examination.

Year 3 Fall III 8	PT 788	1	Special Topics in Physical Therapy	Principles of physical therapy management of select patient populations including bariatrics, women's health, oncology, and selected progressive and chronic diseases.
	PT 714	1	Movement Integration	This course prepares students to integrate knowledge of the movement system with synthesis of pathology and patient specific movement patterns. Identification and treatment of movement impairments will be emphasized.
	PT 789	2	Orthopaedics III (Primary Care PT)	Advanced diagnosis and management approaches for complex orthopedic, and sports PT populations will be covered. Differential diagnosis of upper and lower quarter pathology, along with specialized treatments unique to this population will be emphasized.
	PT 794	1	Integrated Clinical Experiences in Physical Therapy II	Faculty supervised clinical experiences in a student-directed pro bono physical therapy clinic with complementary activities related to clinical practice, serving the community, and strengthening clinical partnerships.
	PT 792	6	Clinical Internship II	Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in various clinical settings. Competence is expected in areas of the material presented to date in the curriculum.

Year 3 Spring III 9	PT 767	1	Evidence-Based Practice VI- Capstone	Continuation of Evidence-Based Practice V where students receive continued guidance in the completion of the faculty-led capstone project begun in EBP II culminating with presentation of completed capstone.
	PT 785	2	Health Promotion and Nutrition (Distance)	Development and maintenance of healthy lifestyles for patients and clients. Focus on disease prevention, nutritional needs, and the benefits of exercise as well as managing individuals with injury or disease.
	PT 793	6	Clinical Internship III	Supervised clinical education experience emphasizing continued development and reinforcement of clinical skills in various clinical settings. Competence is expected in areas of the material presented to date in the curriculum.