Tennessee State University
Physical Therapy Department
Modifications to Graduate Catalog

DPT PROFESSIONAL CURRICULUM

YEAR 1

Semester 1	***Summer***	
PHTH 5360	Gross Anatomy	6.0
PHTH 5380	Introduction to Physical Therapy	1.0
PHTH 5330	Psychosocial Behavioral Issues	2.0
		09 Credits
Semester 2	***Fall***	
PHTH 5470	Applied Physiology	3.0
PHTH 5490	Pathology	3.0
PHTH 5460	Biomechanics & Movement Science I	3.0
PHTH 5440	Human Development across the life span	2.0
PHTH 5421	Tests & Measurements	2.0
PHTH 5450	Patient Care Principles	2.0
		15 credits
Semester 3	***Spring***	
PHTH 5540	Clinical Medicine I	2.0
PHTH 5550	Therapeutic Exercise	3.0
PHTH 5560	Biomechanics & Movement Science II	3.0
PHTH 5570	Neuroscience/Neuropathology	3.0
PHTH 5580	Physical Agents	3.0
PHTH 5590	Research I	1.0
		15 Credits

YEAR 2

Semester 4	***Summer***	
PHTH 6340	Electrotherapeutics	2.0
PHTH 6350	Clinical Medicine II	3.0
PHTH 6360	Clinical Education I	3.0
PHTH 6390	Research II	1.0
		9 Credits
Semester 5	***Fall***	
PHTH 6420	Principles of Education	2.0
PHTH 6440	Cardiopulmonary	3.0
PHTH 6460	Orthopedics I	4.0
PHTH 6470	Neurological PT I	4.0
PHTH 6490	Research III	2.0
		15 Credits

Semester 6	***Spring***	
PHTH 6530	Psychosocial Behavioral Issues II	2.0
PHTH 6540	Prosthetics & Orthotics	3.0
PHTH 6560	Orthopedics II	4.0
PHTH 6570	Neurological PT II	4.0
PHTH 6590	Research IV	2.0
		15 Credits

YEAR 3

Semester 7	***Summer***	
PHTH 7320	Administration & Management	2.0
PHTH 7350	Clinical Education II	4.0
PHTH 7360	Advanced Clinical Topics I	2.0
		8 Credits

Semester 8	***Fall***	
PHTH 7410	Clinical Integration Seminar	2.0
PHTH 7454	Clinical Education III	6.0
PHTH 7460	Advanced Clinical Topics II	2.0
PHTH 7470	Health and Wellness	3.0
PHTH 7490	Research V	1.0
		14 Credits

Semester 9	***Spring***	
PHTH 7554	Clinical Education IV	5.0
PHTH 7564	Clinical Education V	5.0
PHTH 7570	DPT Clinical Case Conference	2.0
PHTH 7580	DPT Professional Issues	1.0
		13 Credits
	Total Credits:	**113**

COURSE DESCRIPTIONS – TSU PT Department

PHTH 5360 Gross Anatomy (6) The purpose of this course is to provide the students with an understanding of gross structures of the human body with emphasis on musculoskeletal and neurovascular structures. Each topic of the course will be discussed from three aspects of conceptual overview, regional anatomy and surface anatomy. Content sequence of the course is anatomy of the back, thorax, upper limb, pelvis, lower limb, head and neck. Prerequisites: Student must be officially admitted into the Physical Therapy program and/or have prior consent of the instructor

PHTH 5380 Intro to Physical Therapy (1) This course is designed to introduce the student to the profession of Physical Therapy including the Tennessee State Practice Act, characteristics of professions, history of the physical therapy profession, standards for professional conduct, the APTA's Code of Ethics, and the Guide for Professional Conduct. Students will also be introduced to HIPAA, the Generic Abilities, and the concept of active learning and problem solving. Prerequisites: Student must be officially admitted into the Physical Therapy program and/or have prior consent of the instructor.

PHTH 5330 Psychosocial Behavioral Issues (2) An introductory and basic course in a series of two psychosocial classes addresses a variety of psychological and social issues. The introduction of and continuing development of cultural awareness/sensitivity as a part of developing cultural competence will be threaded throughout the course. There will be a review of psychological disorders that impact the practice of physical therapy. Students will learn the art of problem solving and critical thinking. Students are required to participate in service learning activities to enhance their ability to become culturally sensitive as they prepare to work in a multicultural and ever changing world. Prerequisites: Student must be officially admitted into the Physical Therapy program and/or have prior consent of the instructor.

PHTH 5470 Applied Physiology (3) This course will provide the students with an in-depth understanding of the human physiological systems at the system, cellular, and molecular levels. A large emphasis is placed on the acute and chronic responses of the physiological systems to change the environment, stress, disease, and aging as well as on the biochemistry of various control systems. Prerequisites: Students must have passed all of the 1st semester courses and/or have prior consent of the instructor

PHTH 5490 Pathology (3) The fundamental issues in health and disease, including some of the basic terminology and concepts used in pathology will be introduced. The focus will be on relating normal physiology of specific organ systems to signs and symptoms "clinical red flags" that indicate disease. The implications pathological conditions pose for the Physical Therapist and conditions frequently found during therapy sessions that need to be referred for further medical evaluation will be discussed. Prerequisites: Students must have passed all of the 1st semester courses and/or have prior consent of the instructor.

PHTH 5460 Biomechanics and Movement Science I (3) This course provides an introduction to the basic concepts of biomechanics and kinesiology as it relates to the normal human body. The focus in this class is on the anatomical and biomechanical properties of bone, cartilage, tendon, ligaments, and joints. The specific joint and tissue structures, and functions that will be analyzed include: the shoulder, elbow, wrist, and hand, as well as the head facial muscle, and TMJ. Students will discuss and analyze the differences among the culturally diverse populations and across the lifespan. Students will also be introduced to common pathological conditions that affect the movement and biomechanics of the above mentioned anatomical regions. Prerequisites: Students must have passed all of the 1st semester courses and/or have prior consent of the instructor.

PHTH 5440 Human Development Across the Lifespan (2) - The study of human growth and development throughout the life span focuses on normal development especially as it relates to functional movement. The course starts with a review of genetics and developmental theories. The life span, starting with prenatal development and ending with aging is addressed in relationship to the psychological-sociocultural domains. The relationship between motor development, motor learning, and motor control is addressed. A review of the development of the body systems are reviewed so that the relationship can be established in relationship to function. The importance of wellness and prevention is discussed as students are let to recognize the importance of maintaining good health and preventing disease. Prerequisites: Students must have passed all of the 1st semester courses and/or have prior consent of the instructor

PHTH 5421 Tests and Measurement (2) This course will introduce the students to the concepts of palpation, limb length and girth measurement, manual muscle testing, and goniometry. The basic concepts of joint mobilization and observational posture and gait analysis will be covered. Prerequisites: Students must have passed all of the 1st semester courses and/or have prior consent of the instructor

PHTH 5450 Patient Care Principles (2) Students will be introduced to the basic skills involved in patient transfers, bed mobility, patient positioning, body mechanics, and taking and interpreting vital signs, The teaching of how to use assistive devices (Tilt Table, Parallel bars, Walkers, canes, crutches) will be covered. One-third of the course time will be laboratory/psycho-motor experience. Students will show proficiency in the performance of these basic physical therapy skills. The course also covers documentation using the SOAP format and functional outcome reporting. The use of a medical chart, abbreviations, and medical terminology will be emphasized. Prerequisites: Students must have passed all of the 1st semester course and/or have prior consent of the instructor

PHTH 5540. Clinical Medicine I. (2) This course introduces students to principles and methods of medical screening in physical therapy practice and to diagnostic imaging, laboratory testing and other medical diagnostic procedures. A basic format for orthopedic and neuromuscular medical screening and differential diagnosis in physical therapy is presented and the role of the physical therapist as it interfaces with the role of the physician is emphasized. Basic concepts of pharmacology are also covered including classes of drugs, indications, therapeutic effects, side effects and implications for physical therapy practice. Strategies to effectively and appropriately communicate with health care colleagues and patients regarding medical diagnostic information and medical status are introduced. Prerequisites: Must have completed 2nd semester of professional program and/or permission of instructor

PHTH 5550 Therapeutic Exercises (4) This course is designed to introduce students to therapeutic techniques as a tool for restoring and improving the musculoskeletal status of a patient. It will provide a foundation of appropriate exercise principles, and techniques used for joints, muscles, and soft tissue conditions. There will be an emphasis on the identification of patient problems through skillful evaluation, and the establishment of a plan to meet these goals. The laboratory component is designed to go along with the didactic coursework. It will introduce students to the hands on

experience of using therapeutic exercise as a tool for restoring and improving the musculoskeletal status of a patient. It will provide a foundation of appropriate exercise techniques used for joints, muscles, and soft tissue conditions. Prerequisites: Completion of the 2nd semester of the professional program and/or permission of the instructor

PHTH 5560 - Biomechanics and Movement Science II. (3) This course starts with a review of the basic concepts of biomechanics and movement of the human body. Students will be exposed to lecture and hands on practical experience in this class. Focus in this section is on these specific anatomical regions: back (lumbar), lower extremity (hip, knee, ankle, foot). Students will be introduced to common pathological conditions associated with the above anatomical regions. An introduction to the neuromuscular control pathway associated with biomechanical movement is also included in this course. Prerequisites: Completion of the 2nd semester of the professional program and/or permission of the instructor

PHTH 5570 Neuroscience/Neuropathology (3) This course is designed to provide the students with a working knowledge of the development, structure, function, and pathology of the nervous system via lectures, lab, and group discussions. The structure of the central nervous system (CNS), peripheral nervous system (PNS), and autonomic nervous system (ANS) will be studied as each relates to clinical neurology. This course will involve an analysis of the function of different components of the nervous system and how such function is altered or modified by injury, pathology, and aging. The content of the course is reinforced in the neuroscience laboratory component. A section on neuropathology will also be presented. Prerequisites: Completion of 2nd semester of professional program and/or permission of the instructor

PHTH 5580 Physical Agents (3) This course covers the use of physical modalities in the treatment of selected pathologies. The effects of physical principles and biophysical effects of physical therapy modalities will be covered. Indications, contraindications, and precautions for the use of physical therapy modalities will be stressed. Modalities covered include: ultrasound, phonophoresis, diathermy, moist heat, cryotherapy, hyperbaric oxygen, hydrotherapy, massage, ultraviolet, light therapy, paraffin wax, mechanical compression, and pressure garments. In addition, wound care management in relation to tissue repair, wound debridement and dressings, sterile techniques, pressure garments, and universal precautions will be addressed. Laboratory sessions are included with the course, and covers the practical guidelines and clinical parameters in the administration of the physical therapy physical agents.
Prerequisites: Completion of 2nd semester of professional program and/or permission of the instructor

PHTH 5590 Research (1) This course is the first in a series of five that leads to a final research project that fulfills the required writing and presentation of that project to the faculty. This course provides a basic exploration of the fundamentals necessary for scientific inquiry. Topics include: literature review, formation of a research hypothesis, rules of measurement, research methodology, use of human subjects, reliability, validity, sampling methods, threats to internal validity, introduction to general statistical designs. The course also presents the students with the views that physical therapy is

in need of scientific – evidence based research. First, the students will be introduced to research fundamentals including not only general research theory but also research in physical therapy, theory in physical therapy research and research ethics. Second, students will learn how to critically read and evaluate the literature. Third, this course will provide students with skills needed to conduct a literature search off- and on-line databases. Fourth, the students will learn how to develop an answerable research question and how to evaluate research problems. Finally, the students will learn about plagiarism, how to properly cite references, and understand the importance of protecting one's intellectual property. Prerequisites: Completion of 2nd semester of professional program and/or permission of the instructor

PHTH 6340 Electrotherapeutics (2) This course includes the theory of electrophysiology of the neuromuscular system and testing, interpretation, and the application of electrotherapeutic procedures (including galvanic tetanus ratio test, reaction of generation test, strength-duration curve and chronaxie test, facial nerve excitability test, repetitive stimulation tests, nerve conduction velocity testing, electromyographic evaluation, and biofeedback). The use of electrotherapeutic modalities for the treatment of neuromuscular, orthopedic, and integumentary disorders will be discussed and practiced. Laboratory experience is a major component of this course. The course is divided into four areas. The first area highlights the basics concepts of electricity and how these concepts are applied therapeutically. The second area focuses on the physiological effects of electricity as it applies to motor response, pain modulation, and tissue repair. The third area addresses the specific modalities used in electrotherapy, including: galvanic stimulation [including low and high volt stimulation] and iontophoresis; transcutaneous electrical nerve stimulation, microcurrent electrical nerve stimulation, Russian stimulation and interferential current; and biofeedback. The fourth area highlights basic electrophysiological testing, including: chronaxie, strength duration, reaction of degeneration, nerve conduction velocity, and basic EMG interpretation. Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor

PHTH 6350 Clinical Medicine II (3) This course continues where clinical Medicine I left off, covering the principles and methods of clinical screening in physical therapy practice and to diagnostic imaging, laboratory testing and other medical diagnostic procedures. A progressive format for orthopedic, neuromuscular, and cardiovascular medical screening and the utilization of algorithms for the differential diagnosis in physical therapy is presented and the role of the physical therapist as it interfaces with the role of the physician is emphasized. This course will include differential diagnosis for pediatrics, and multicultural implication of various diagnostic conditions. Continuation of important concepts of pharmacology will be stressed, including classes of drugs, indications, therapeutic effects, side effects, and implications for physical therapy practice. Decision making skills related to physical therapy evaluation and therapeutic intervention will be emphasized throughout the course. The class will continue to cover various strategies to effectively and appropriately communicate with health care colleagues, patients, the medical community, and third party payers regarding medical diagnostic information and medical status. Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor

PHTH 6360 Clinical Education I (3) This course allows for the first formal exposure to clinical practice settings for 5 weeks in a clinical facility. It gives the student the opportunity to observe physical therapy evaluation and treatment of patients, as well as providing an opportunity to practice clinical skills learned during the first year of the program. The student will be assigned to a clinical facility for a five week period. Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor completion of required health records; attainment of malpractice insurance; completion of criminal background check; CPR Certification at the health care provider level; and evidence of health insurance to cover the student through the duration of the clinical education period.

PHTH 6390 Research II (1) This course is the second in a series of five courses designed to help the student to understand how research applies to the profession of physical therapy. The objective of the course is to help the student develop the skills needed to design and implement an Evidence-Based Practice research project. Students will ultimately develop a publishable research manuscript and present it to peers at a university, local, state/regional, or national meeting. Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor

PHTH 6420 Principles of Education (2) This course is designed to present educational principles as they apply to the practice of physical therapy in an academic as well as in a clinical setting. Theories of learning and learning styles are discussed. The role of the physical therapist as a teacher will be presented. Strategies to enhance patient and family education are presented.. Students develop and evaluate educational presentations that are appropriate for patient care givers, health care professionals, industry or other community group. The necessity of becoming life long learners is emphasized. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6440 Cardiopulmonary (3) This is a combined lecture and laboratory course addressing physical therapy clinical practices applied to the management of individuals with cardiopulmonary system dysfunction. The course reviews the relevant anatomy and physiology of the cardiopulmonary system and presents the clinical pathophysiology of the cardiac and pulmonary systems to comprehensively address the physical therapy management of individuals with compromised cardiopulmonary health status. Specific diagnostic tests and procedures used in cardiopulmonary care are covered as well as the medical, surgical, and rehabilitative management of patients with primary and secondary cardiopulmonary dysfunction. During the conduct of the laboratory course, students develop a systematic approach not only to the classification of pathology, impairments, functional limitations, and disability of individuals with cardiopulmonary problems, but also to the examination, evaluation, diagnosis, prognosis, and intervention of these individuals. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6460 Orthopedics (4) This course begins with the hypothesis-oriented algorithm described by Echternach and Rothstein, which will form the framework the students will use to aid in clinical decision making. The procedures covered include spinal traction, peripheral joint mobilization, myofacial manipulation taping and special tests. The anatomical regions covered are the TMJ, the cervical spine, the thoracic spine and ribs, the shoulder, the elbow, and the wrist and hand. Posture and fractures are also covered. The laboratory procedures will be taught throughout the course. The orthopedic procedures covered include: spinal traction, peripheral joint mobilization, myofacial manipulation, taping and special tests. The anatomical regions covered are TMJ, the cervical spine, the thoracic spine and ribs, the shoulder, the elbow, and the wrist and hand. Posture is also covered. Prerequisites: Successful completion of all prior required coursework and/or with instructor's permission.

PHTH 6470 Neurological PT I (3) This course is the first of two courses that provides in-depth exploration of the assessment and intervention procedures used with people who have various neurological pathologies across the lifespan, primarily focusing on pathologies during adulthood. The course will examine the theoretical basis for evaluation and treatment of neurologic disorders. The students will apply knowledge of basic anatomy, neuroscience, physiology, and pathology of the human nervous system to the evaluation and treatment planning of the person with neurologic dysfunction. Case based teaching and learning methods will be used to introduce various pathologies and will be used as a basis for discussion and problem solving relative to the evaluation, goal planning, and planning of treatment for the various neurologic pathologies. Textbook reading will be supplemented with research articles to discuss recent advances in diagnosis and treatment. Historical perspectives will be explored with emphasis on current theories of motor learning/control and skill acquisition. Neurologic evaluation and treatment techniques will be taught and practiced, as well as specific assessment techniques for mobility, balance, and gait. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6490 Research III (2) This course is the third in a series of five courses designed to help the student to understand how research applies to the profession of physical therapy. The objective of these courses is to help the student develop the skills needed to design and implement an Evidence Based Practice research project. Students will ultimately develop a publishable research manuscript and present it to peers at a university, local, state/regional, or national meeting. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6530 Psychosocial Behavioral Issues II (2) The learning experience revolves around professional and ethical issues. Personal Assessment in preparation to become a practicing professional with social responsibilities will be included. Non-traditional approaches in health and healing will be discussed. The relevant threads of culture and diversity will be included through out the course content. Prerequisites: Successful completion of all prior required course work and/or permission of the instructor.

PHTH 6540 Prosthetics and Orthotics (2) An introductory course that introduces students to various prosthetic and orthotic devices used by patients with various conditions, which necessitate their use. The course is divided into two broad areas,

namely: Prosthetic Assessment and Management, and Orthotics Management and Assessment. Both portions address the physical therapist's role in prosthetic and orthotic management, including prescription, maintenance, and training. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6560 Orthopedics II (4) This course begins with a review of the hypothesis-oriented algorithm described by Echternach and Rothstein, which will form the framework the students will use to aid in clinical decision making. The anatomical regions covered are the TMJ, the cervical spine, the thoracic spine and ribs, lumbar spine and Sacroiliac jt. Posture and orthopedic spine pathology are also covered. Laboratory procedures will be taught throughout the course. The orthopedic procedures covered include: spinal traction, spinal mobilization, myofacial manipulation, special tests and therapeutic exercise. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6570 Neurologic Physical Therapy II (4) The second of two courses that provides in-depth exploration of the examination and intervention procedures used with clients with various neurological pathologies. This course focuses on the neurological problems present from birth or acquired in childhood or late in life. Course Focus: This course is the second of two courses that provides in-depth exploration of the assessment and intervention procedures used with people who have various neurological pathologies across the lifespan. The course will examine the theoretical basis for evaluation and treatment of people with neurological disorders. The students will apply knowledge of basic anatomy, neuroscience, physiology, and pathology of the human nervous system to the evaluation and treatment planning of the person with neurological dysfunction. Case based teaching and learning methods will be used to introduce various pathologies and will be used as a basis for discussion and problem solving relative to the evaluation, goal planning, and planning of treatment for the various neurological pathologies. Textbook reading will be supplemented with research articles to discuss recent advances in diagnosis and treatment. Historical perspectives will be explored with emphasis on current theories of motor learning/control and skill acquisition. Neurologic evaluation and treatment techniques will be taught and practiced, as well as specific assessment techniques for mobility, balance, and gait. The pediatric component will address tests and measures utilized by physical therapists when working with infants and children, as well as treatment interventions. Although the focus will be on neurological conditions, the course will also include various diagnostic conditions from other physiological systems. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 6590 Research IV (2) This course is the fourth in a series of five courses designed to help the student to understand how research applies to the profession of physical therapy. The objective of these courses is to help the student develop the skills needed to design and implement an Evidence Based Practice research project. Students will ultimately develop a publishable research manuscript and present it to peers at a university, local, state/regional, or national meeting. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 7320 Administration/Management (2) This course covers management principles as they apply to the practice of physical therapy. Students will analyze the impact of organizational design, leadership styles, as well as legal, social, economic, and ethical issues. Emphasis will be placed on fiscal operation, personnel and risk management, strategic planning, quality assessment, and role of the physical therapists as a consultant. The structure and function of the health care system in the United States is presented, emphasizing the impact of the different systems on physical therapy. Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor.

PHTH 7350 Clinical Education II (4) This course provides a hands on experience for the student in selected clinical environments. This course will allow the student an opportunity to practice the clinical skills learned during the professional component of the program. The student will be assigned by the ACCE to a clinical facility for seven weeks. The student will be supervised by a licensed physical therapist. The student will be evaluated on their clinical performance using the APTA's *Clinical Performance Instrument.* The student will be expected to cooperate and collaborate with their Clinical Instructor(s) in fulfilling the requirements of the clinical education experience. The student will evaluate their performance in the clinical setting and compare this evaluation with that of the Clinical Instructor.
Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor; completion of required health records; attainment of malpractice insurance; completion of criminal background check; and evidence of health insurance to cover the student through the duration of the clinical education period.

PHTH 7360 (2) Advanced Clinical Topics I This course will introduce students to the Acute Care and Home Health settings. The course will introduce students to the procedures required for discharge planning in all clinical settings. Students will learn how to perform accurate home assessments.
Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor.

PHTH 7410 Clinical Integration Seminar (2) Students analyze complex cases using a variety of decision making frameworks and perspectives. Cases selected emphasize co-morbidities, psychosocial factors, and ethical and financial issues that influence physical therapy practice. Cases are chosen that represent a variety of clinical practice settings. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 7454 Clinical Education III (6) This course provides a hands on experience for the student in selected clinical environments. Students will have an opportunity to practice the clinical skills learned during the professional component. The student will be assigned to a clinical facility for ten weeks. The student will be supervised by a licensed physical therapist. The student's clinical performance will be evaluated by the Clinical Instructor using the American Physical Therapy Association's *Clinical Performance Instrument*. The student will be expected to cooperate and collaborate with their Clinical Instructor(s) in fulfilling the requirements of the clinical education experience. The student will evaluate their performance in the clinical setting and

compare this evaluation with that of the Clinical Instructor. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 7460 Advanced Clinical Topics II (2) Students will discuss various specialty content areas relative to the advanced practice of Physical Therapy. Information regarding physical therapy management of a number of disorders and disabilities will be the focus of the course of study. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 7470 Health and Wellness (3) Theories of wellness and formats for prevention and screening programs are the focus of this course. Work-site wellness and rehabilitation is covered. Lifespan and cultural variables that impact wellness needs and wellness program designs are emphasized. Roles for physical therapists as consultants in fitness and wellness are introduced. Practical experiences in community health education in culturally diverse environments and in work-site assessment and education are components of this course. Students are expected to be able to analyze population needs for wellness and health services and to develop culturally appropriate programs that enhance health, wellness, and safety and improve quality and productivity in life and work. Prior knowledge of educational theory and methods from PHTH 6020 is applied in this course. Prerequisites: Successful completion of all prior required coursework and/or permission from instructor

PHTH 7490 Research V (1) This course is the fifth and final in a series of five courses designed to help the student to understand how research applies to the profession of physical therapy. The objective of these courses is to help the student develop the skills needed to design and implement an Evidence Based Practice research project. Students will ultimately develop a publishable research manuscript and present it to peers at a university, local, state/regional, or national meeting. Prerequisite**:** Successful completion of all prior, required coursework and/or permission of the instructor.

PHTH 7554 Clinical Education IV (5) This course provides a hands on experience for the student in selected clinical environments. Students will have an opportunity to practice the clinical skills learned during the professional component. The student will be assigned to a clinical facility for seven weeks. The student will be supervised by a licensed physical therapist. The student's clinical performance will be evaluated by the Clinical Instructor using the American Physical Therapy Association's *Clinical Performance Instrument*. The student will be expected to cooperate and collaborate with their Clinical Instructor(s) in fulfilling the requirements of the clinical education experience. The student will evaluate their performance in the clinical setting and compare this evaluation with that of the Clinical Instructor. Prerequisite: Admission to the Professional Component of the Physical Therapy Program and successful completion of all prior, required coursework.

PHTH 7564 Clinical Education V (5) This course provides a hands on experience for the student in selected clinical environments. Students will have an opportunity to practice the clinical skills learned during the professional component. The student will be assigned to a clinical facility for seven weeks. The student will be supervised by a

licensed physical therapist. The student's clinical performance will be evaluated by the Clinical Instructor using the American Physical Therapy Association's *Clinical Performance Instrument*. The student will be expected to cooperate and collaborate with their Clinical Instructor(s) in fulfilling the requirements of the clinical education experience. The student will evaluate their performance in the clinical setting and compare this evaluation with that of the Clinical Instructor Prerequisites: Successful completion of all prior, required coursework and/or permission of the instructor.

PHTH 7570 DPT Clinical Case Conference (2) This is a seminar course that uses a case-based format in exploring decision-making skills in the management of patients referred to physical therapy. The first half of the course utilizes case discussions that center on the patient/client management model in the context of pathologies, impairments, functional limitations and disabilities throughout the lifespan. The second half of the course requires students to integrate didactic knowledge with clinical experience to interpret, evaluate, or solve problems when given questions dealing with realistic clinical situations. Prerequisite: Successful completion of all prior required coursework and/or permission from instructor.

PHTH 7580 DPT Professional Issues (1) This final course in the series of interactive learning experiences, assists the learner with acquiring the advanced skills required to enter the practice arena. These skills will include but are not limited to resume' development, state laws and regulations related to physical therapy, development of a professional plan and preparation for the licensure examination. Prerequisite: Successful completion of all prior required coursework and/or permission from instructor.