



# FAULKNER

## DEPARTMENT OF PHYSICAL THERAPY

### Course Descriptions

#### **PHT 6130 Professionalism and Leadership I (1 hour)**

In this course, students will be educated about the past, present and future directions of the profession, the APTA and the physical therapists role/ responsibility as part of the health care team. Various health care models will be introduced. Documents that will be reviewed include: APTA core documents such as the Vision and Strategic Plan for the Physical Therapy Profession, Professionalism in Physical Therapy: APTA Code of Ethics, Core values, and the Guide to Physical Therapist Practice. The Core Competencies of Leadership will be introduced and meaningful ways to apply leadership skills discussed. The course will also present strategies for success in the professional program.

#### **PHT 6131 Professionalism and Leadership II (1 hour)**

The second course in the series expands on the role of the physical therapist as a professional and a leader. Students will explore the practice of physical therapy with an emphasis on leadership. Focus areas include advocacy, public policymaking in the United States focusing on health care and physical therapy, legal and ethical aspects of health care. Specialty areas of practice will also be examined in relation to legal and ethical practice including direct access, health and wellness and pro bono services.

#### **PHT 6134 Introduction to Seminar (1 hour)**

This course is an introduction to the seminar series. Seminar courses are a "grand rounds" experience in a problem based learning format. Students develop their clinical decision making process, as cases increase in complexity, through research, discussion and collaboration. IPE competencies are introduced. The first course introduces students to the tools necessary to be a successful problem based learner and the "grand rounds" format. Students will learn how to work effectively as part of a healthcare team, how to manage conflict and solve problems while respecting individual differences.

#### **PHT 6141 Evidence Based Practice II (1 hour)**

The second course in the series focuses on developing skills necessary to integrate evidence into practice. Students will learn how to develop a research question and search strategy, critically appraise the literature and write a literature review. Research methods, proposals and grant sources will also be discussed. Students will also learn how to determine the statistical conclusion validity of research evidence for practice, learn the logic of hypothesis testing and learn specific statistical tests used in research analysis. Students will explore various methods to integrate results into clinical practice.

#### **PHT 6210 Introduction to Clinical Sciences (2 hours)**

In this course, students will learn the foundations of patient centered holistic care, including: effective communication and interpersonal interactions (patient/ therapist relationship), clinical decision making, foundations of education, Patient Client Management Model, reflective practice, intercultural competence and health promotion



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### **PHT 6214 Movement Science III (2 hours)**

In the final course in the series, exercise prescription and progression strategies will be analyzed utilizing the foundations of movement science. Students will utilize knowledge from previous courses and movement analysis to develop exercise regimes. Clinical reasoning through patient case studies will facilitate student understanding of mechanical concepts.

### **PHT 6222 Pathology and Medical Management I (2 hours)**

The first of two courses that focus on the pathogenesis, clinical presentation, prognosis, and medical intervention of diseases encountered in physical therapy practice. The relevance of medical imaging and laboratory values in diagnosis and management will be covered. Students will be introduced to the pharmacological management of various conditions and the implications related to physical therapy practice will be discussed.

### **PHT 6224 Exercise Physiology (2 hours)**

This course examines the body's physiological response, both acute and chronic, to exercise. Students will learn about the changes in exercise responses through the lifespan and in special populations as well as measurement of oxygen uptake/energy expenditure.

### **PHT 6240 Evidence Based Practice I (2 hours)**

This course series is designed for students to gain the knowledge and skills required to become an evidence based practitioner. The first course introduces the foundation of evidence based practice and the integration of clinical decision making. Students will learn how to access knowledge for practice, and will learn the methods of scientific inquiry, including research theory, design, methods, and measurement. Research ethics and the IRB will be reviewed.

### **PHT 6311 Basic Examination (3 hours)**

This course is designed to teach students the foundational concepts and skills required to perform the basic components of a physical therapy examination. Students will draw upon previous knowledge to design a plan given patient case scenarios.

### **PHT 6312 Movement Science I (3 hours)**

The first course in the series provides an introduction to the fundamental concepts underlying human movement. In this course, the principles of anatomy, functional anatomy, biomechanics, and kinesiology will provide a basis for understanding normal and abnormal movement in the human body. Ergonomic assessment and observational gait analysis will also be introduced.

### **PHT 6313 Movement Science II (3 hours)**

In the second course, students will be introduced to theories related to motor control, motor development, motor learning and motor behavior. These concepts will serve as a framework for evaluation and treatment of movement dysfunction throughout the lifespan. The theories and constructs behind the prescription and use of prosthetics and orthotics and their impact on the movement system will also be discussed.



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### **PHT 6323 Pathology and Medical Management II (3 hours)**

The final course that focuses on the pathogenesis, clinical presentation, prognosis, and medical intervention of diseases encountered in physical therapy practice. The relevance of medical imaging and laboratory values in diagnosis and management will be covered. Students will be introduced to the pharmacological management of various conditions and the implications related to physical therapy practice will be discussed.

### **PHT 6350 Principles of Clinical Practice I (3 hours)**

This course series introduces students to foundational skills used in clinical practice. Primary areas of emphasis include: observational analysis, positioning and draping, transfer training, wheelchair mobility, use of assistive devices, posture and body mechanics, safety, vital signs, response to emergencies, infection control, integumentary integrity and circulation, anthropometric measurements, PROM/ AAROM/ AROM, and measurement of joint motion. Students will also be introduced to documentation in health care.

### **PHT 6351 Principles of Clinical Practice II (3 hours)**

The second course is a continuation of clinical practice I, which teaches students about essential skills required for clinic. Topics include motor performance and manual muscle testing, therapeutic modalities, soft tissue mobilization, and assistive technology. Students will be introduced to the SOAP note format and practice accurate documentation of techniques.

### **PHT 6421 Basic Science II (4 hours)**

This course is an in depth study of the structure and function of the neurological system, including gross anatomy, histology, embryology and physiology. Students will be introduced to selected pathologies and special tests that facilitate the understanding of the relationship of the nervous system to movement of the human body.

### **PHT 6520 Basic Science I (5 hours)**

This course is an advanced, detailed examination of the structure and function of the human body. All systems (cardiovascular, endocrine and metabolic, gastrointestinal, genital and reproductive, hematologic, hepatic and biliary, immune, integumentary, lymphatic, musculoskeletal, nervous, respiratory, and renal and urologic systems) will be studied with special emphasis on the musculoskeletal, neurological, cardiovascular, and respiratory systems. A variety of learning opportunities will be provided to gain a better understanding of the systems and their interrelationships.

### **PHT 6580 Foundation of Clinical Sciences: Physical Therapy through the Lifespan I (5 hours)**

This course presents an in depth study into the examination and treatment of movement system disorders of the musculoskeletal system through the lifespan. Emphasis is placed on patient centered care and practice expectations including: screening, examination, evaluation, diagnosis, prognosis, development of a plan of care, intervention, and evaluation of outcomes. Application of foundational concepts including: collaboration with the health care team, professionalism, patient/ caregiver education, intercultural competence, health promotion/ prevention and documentation is emphasized.



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Medical management of orthopedic conditions including surgical and non-surgical procedures of common musculoskeletal conditions and the implications for physical therapy practice is included.

### **PHT 6581 Foundation of Clinical Sciences: Physical Therapy through the Lifespan II (5 hours)**

This course will provide the student with a foundation in examination and treatment of movement system disorders of the neurological system. Examination skills will focus on development of movement analysis for motor control dysfunction across the lifespan. Medical management of common neurological conditions is included as well as precautions or special considerations pertinent to physical therapists. Emphasis is placed on patient centered care and practice expectations including: screening, examination, evaluation, diagnosis, prognosis, development of a plan of care, intervention, documentation and evaluations of outcomes. Application of foundational concepts including: collaboration with the health care team, professionalism, patient/ caregiver education, intercultural competence and health promotion/ prevention.

### **PHT 7052 Seminar – Grand Rounds (0 hour)**

The seminar course is a “grand rounds” experience in a problem based learning format. Students develop their clinical decision making process, as cases increase in complexity, through research, discussion and collaboration. IPE competencies are emphasized. Students will take this course in the fall or spring of their second year.

### **PHT 7142 Evidence Based Practice III (1 hour)**

In this course, students will apply knowledge from previous coursework as well as their ICE experience in order to complete a case study report. Students are required to complete both a written case study and presentation.

### **PHT 7143 Evidence Based Practice IV (1 hour)**

This course requires students to draw upon previous coursework and IPE experiences in order to choose a topic of interest and conduct a systematic review. Students are required to submit a written document and complete an oral presentation.

### **PHT 7173 Advanced Clinical Sciences: Pediatrics (1 hour)**

This course provides an in depth study of the unique aspects of pediatric physical therapy. Students will integrate previous coursework and research to improve their ability to provide patient centered, holistic, family centered, collaborative care.

### **PHT 7200 Integrated Clinical Experience (2 hours)**

Students will take this course in either the fall or spring of their second year. This is a part time clinical experience that will take place in an inpatient and/or outpatient setting. Students will have the opportunity to integrate knowledge and skills from the classroom into the clinic.

### **PHT 7201 Community Health (2 hours)**

This course is designed to provide students with learning experiences both in the classroom and in the community. Emphasis is placed on population health and methods to incorporate service into their practice and make a lasting difference in their communities. Students will enroll in this course in either the fall or spring of their second year, alternating with PHT 7200.



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### **PHT 7232 Professionalism and Leadership III (2 hours)**

In the final course in the series, students examine leadership and administration theories and prepare for the transition from student to professional. Topics include: strategic planning, management, marketing, budgeting, human resources, quality assurance and networking. Current trends in billing and reimbursement will also be discussed. Strategies for building a successful portfolio, career development, lifelong learning and personal financial planning will be covered. The importance of becoming a high-performance, well-balanced professional will be emphasized.

### **PHT 7233 Faith, Health and Quality of Life (2 hours)**

This course is designed to examine the complex role of the physical therapist in interactions with patient/ clients, colleagues, families and the profession. Students gain an understanding of the role and impact of illness, disability, health, spirituality, and other factors on patients/ clients as well as their own life. Students will explore what it means to be a Christian in health care. Emphasis will be placed on self-awareness as well as awareness of others with respect to illness, pain, addictions, cultural differences, spirituality, and coping strategies. Discussions include faith-based foundations, including the Christian moral tradition, sociocultural influences, professional codes, organizational norms, and personal ethical norms are explored.

### **PHT 7271 Advanced Clinical Sciences: Neurological Rehabilitation (2 hours)**

This course expands upon existing knowledge of the neurological system and neurological disorders and provides students with advanced skills in the examination, evaluation and treatment of adults and older adults with neurological conditions. Clinical scenarios will be utilized to examine complex conditions and students will be encouraged to integrate evidence into proposed assessment and treatment methods

### **PHT 7272 Contemporary Physical Therapy Practice (2 hours)**

This course expands upon existing knowledge and provides students with advanced theory and skills in the evaluation and management of various topics within physical therapy. Different topics will be addressed, representing areas that are either early in their development within the physical therapy profession or that are not widely addressed within the entry-level curriculum. This will be a student driven course, where information will be researched and presented by students, with faculty leading problem solving sessions to deal with complex patient issues.

### **PHT 7360 Advanced Clinical Sciences: Outpatient Rehabilitation I (3 hours)**

Outpatient rehabilitation I is the first of two courses designed to integrate knowledge and skills from prior courses in the examination, evaluation and treatment of patients/clients typically presenting to physical therapy in ambulatory care centers such as: private practice, home health, school system and wellness settings. Students are challenged to integrate important considerations such as the dynamics of the setting, medical conditions, comorbidities and unique characteristics of the individual in order to provide a comprehensive examination and treatment. Clinical decision making and use of the best evidence will be developed as the learner selects, applies, and justifies treatment interventions for specific patient-centered functional goals for case vignettes presented in increasing levels of complexity.



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### **PHT 7361 Advanced Clinical Sciences: Inpatient Rehabilitation I (3 hours)**

Inpatient rehabilitation is the first of two courses designed to integrate knowledge and skills from prior courses in the examination, evaluation and treatment of patients/clients typically presenting to physical therapy in inpatient settings such as: acute care, inpatient rehabilitation, and long term care. Students are challenged to integrate important considerations such as dynamics of the setting, medical conditions, comorbidities and unique characteristics of the individual in order to provide a comprehensive examination and treatment. Clinical decision making and use of the best evidence will be developed as the learner selects, applies, and justifies treatment interventions for specific patient-centered functional goals for patient vignettes presented in increasing levels of complexity.

### **PHT 7362 Advanced Clinical Sciences: Outpatient Rehabilitation II (3 hours)**

Outpatient rehabilitation II is the second of two courses designed to integrate knowledge and skills from prior courses in the examination, evaluation and treatment of patients/clients typically presenting to physical therapy in private practice, home health, school system and wellness settings. Students are challenged to integrate important considerations such as dynamics of the setting, medical conditions, comorbidities and unique characteristics of the individual in order to provide a comprehensive examination and treatment. Clinical decision making and use of the best evidence will be developed as the learner selects, applies, and justifies treatment interventions for specific patient-centered functional goals for case vignettes presented in increasing levels of complexity.

### **PHT 7363 Advanced Clinical Sciences: Inpatient Rehabilitation II (3 hours)**

The second course in the series, inpatient rehabilitation is designed to integrate knowledge and skills from prior courses in the examination, evaluation and treatment of patients/clients typically presenting to physical therapy in acute care, inpatient rehabilitation, and long term care. Students are challenged to integrate important considerations such as dynamics of the setting, medical conditions, comorbidities and unique characteristics of the individual in order to provide a comprehensive examination and treatment. Clinical decision making and use of the best evidence will be developed as the learner selects, applies, and justifies treatment interventions for specific patient-centered functional goals for patient vignettes presented in increasing levels of complexity.

### **PHT 7384 Advanced Clinical Sciences: Primary Care (3 hours)**

The focus of this course is the acquisition of knowledge and skills to practice as an independent practitioner of physical therapy. This course facilitates the development of a safe, effective comprehensive examination that can be implemented in a variety of settings. Essential skills include screening for a wide range of conditions and pathologies that are not within the scope of physical therapist practice. Emphasis will be on the role of diagnostic imaging as it relates to physical therapy, including indications for referral for imaging, and integrating imaging information with significant findings from patient history, laboratory values and patient examination in physical therapy assessment. In addition, the skills necessary to effectively collaborate and communicate with medical professionals along with patterns of referral to the appropriate health care provider are discussed and practiced. Independent practice in the health and wellness arena is also explored. Principles of health promotion, including the role of nutrition, screening for health and wellness needs, and designing interventions to promote health behavior change will be covered. Effective clinical decision making will be emphasized throughout the course, using patient case vignettes and clinical prediction rules.





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### **PHT 7483 Advanced Clinical Sciences: Physical Therapy Management of the Spine** (4 hours)

This course presents an in depth study into the examination and treatment of movement system disorders of the spine, sacroiliac joint and temporomandibular joint through the lifespan. Emphasis is placed on patient centered care and practice expectations including: screening, examination, evaluation, diagnosis, prognosis, development of a plan of care, intervention, and evaluation of outcomes. Application of foundational concepts including: collaboration with the health care team, professionalism, patient/ caregiver education, intercultural competence, health promotion/ prevention and documentation is emphasized. Medical management of surgical and non-surgical techniques of common musculoskeletal conditions and the implications for physical therapy practice is included. Physical therapy intervention will be directed at resolution of specific impairments and functional limitations, but will also address contributing factors and prophylaxis.

### **PHT 7485 Advanced Clinical Sciences: Special Populations** (4 hours)

In this course, students engage in an in depth study of various special populations encountered in physical therapy practice. Areas of study include but not limited to: gender health across the lifespan, industrial rehabilitation, cancer, mental health/illness and sport specific rehabilitation.

### **PHT 7582 Foundation of Clinical Sciences: Physical Therapy through the Lifespan III** (5 hours)

This course presents an in depth study into the examination and treatment of individuals with acute medical and surgical conditions, cardiopulmonary pathology and integumentary dysfunction through the lifespan. The impact of medical management of pathology on rehabilitation will be discussed, including the role of pharmaceuticals in rehabilitation. Emphasis is placed on patient centered care and practice expectations including: screening, examination, evaluation, diagnosis, prognosis, development of a plan of care, intervention, and evaluation of outcomes. Application of foundational concepts including: collaboration with the health care team, professionalism, patient/ caregiver education, intercultural competence, health promotion/ prevention and documentation is emphasized.

### **PHT 8135 Professional Seminar** (1 hour)

This course is designed to prepare students to enter the profession of physical therapy. Students will prepare for the transition by creating a career development plan, completing their Professional Portfolio and Service Learning Activities as well as preparing for the National Licensure Examination.

### **PHT 8590 Experiential Learning Experience I** (5 hours)

This course is a full time 10 week experience in which students integrate knowledge and skills taught in the didactic portion of the curriculum into the clinical setting. Students are directly supervised by a licensed physical therapist in clinical sites throughout the United States.

### **PHT 8591 Experiential Learning Experience II** (5 hours)

This course is a full time 10 week experience in which students integrate knowledge and skills taught in the didactic portion of the curriculum into the clinical setting. Students are directly supervised by a licensed physical therapist in clinical sites throughout the United States.



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### **PHT 8692 Experiential Learning Experience III (6 hours)**

This course is a full time 12 week experience in which students integrate knowledge and skills taught in the didactic portion of the curriculum into the clinical setting. Students are directly supervised by a licensed physical therapist in clinical sites throughout the United States.

Graduation from a physical therapist [assistant] education program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE).

#### CAPTE

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Alexandria, Virginia 22305-3085  
phone: 703-706-3245  
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Effective April 27<sup>th</sup> 2021, Faulkner University has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education (CAPTE). If needing to contact the program/institution directly, please call 334-386-7378 or email [physicaltherapy@faulkner.edu](mailto:physicaltherapy@faulkner.edu). Candidate for Accreditation is an accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program may matriculate students in professional courses. Achievement of Candidate for Accreditation status does not assure that the program will be granted Initial Accreditation.