**PHYSICAL THERAPY (PT)**

**PT 3400. Human Structure and Function.**
A study of the structure and function of the human body with emphasis on the skeletal, muscular, and nervous systems. Course focuses on anatomy and physiology of body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included.

*Course Attribute(s): Lab Required*
*Grade Mode: Standard Letter*

**4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.**

*about Human Structure and Function*

**PT 5115. Problems in Physical Therapy.**
An in-depth independent study of a singular problem or related problem in the rapidly changing field of physical therapy. Special emphasis will be placed on the problems' current relevance and the value to the participant. May be repeated for credit.

*about Problems in Physical Therapy*

*1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 5400. Human Structure and Function.**
A study of the structure and function of the human body with emphasis on the skeletal, muscular and nervous systems. Course focuses on anatomy and physiology of the body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included.

*Course Attribute(s): Lab Required|Leveling*
*Grade Mode: Standard Letter*

**4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.**

*about Human Structure and Function*

**PT 7114. Professional Issues.**
This course serves as an introduction to the historical, current, and future issues faced by the physical therapy profession.

*about Professional Issues*

*1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7115. Evidence-Based Practice.**
This course introduces the concept of evidence-based practice in physical therapy including the formulation of answerable clinical questions, methods of obtaining peer-reviewed evidence to those clinical questions, and how to critically appraise evidence once located.

*about Evidence-Based Practice*

*1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7125. Clinical Decision Making I.**
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues in patient care including physical, psychosocial, financial, and environmental factors as well as develop possible solutions to identified problems.

*about Clinical Decision Making I*

*1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7130. Clinical Education Orientation.**
This course provides an orientation to the requirements of the clinical education course sequence including patient education as well as the legal, ethical and professional requirements of physical therapy practice.

*about Clinical Education Orientation*

*1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7135. Clinical Decision Making II.**
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the first year spring semester.

*about Clinical Decision Making II*

*1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7150. Directed Clinical Experience.**
A structured clinical experience in which the student will have the opportunity to demonstrate the ability to apply the theory and clinical skills acquired during didactic course work into the clinical environment. This course will be completed in the Texas State Physical Therapy Clinic. This course is repeatable for credit.

*about Directed Clinical Experience*

*1 Credit Hour. 0 Lecture Contact Hours. 15 Lab Contact Hours.*

*Grade Mode: Standard Letter*

**PT 7155. Clinical Decision Making III.**
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the second year fall semester.

*about Clinical Decision Making III*

*1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.*

*Grade Mode: Standard Letter*
PT 7165. Clinical Decision Making IV.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken thus far in the program.

about Clinical Decision Making IV
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course involves development of data collection tools and strategies in a practice-based research environment. Completion of the full research sequence is required for graduation.

about Research III in Physical Therapy
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7177. Research IV in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course involves development of data collection tools and strategies in a practice-based research environment. Completion of the full research sequence is required for graduation.

about Research IV in Physical Therapy
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course involves development of data collection tools and strategies in a practice-based research environment. Completion of the full research sequence is required for graduation.

about Research V in Physical Therapy
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7190. Independent Study in Physical Therapy.
An in-depth independent study of a singular problem or related problem in the dynamic field of physical therapy and health care. Emphasis will be on the relevance of the problem and the value to the participant. May be repeated twice for credit.

about Independent Study in Physical Therapy
1 Credit Hour. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7197. Research VI in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper. Completion of this last course is required for graduation.

about Research VI in Physical Therapy
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

Study of static and dynamic aspects of the vertebral column and skull including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.

about Anatomy II – Spine
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required MultiCONTENT & Perspective
Grade Mode: Standard Letter

Study of static and dynamic aspects of the lower extremity including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.

about Anatomy III - Lower Extremity
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7251. Anatomy IV - Upper Extremity.
Study of static and dynamic aspects of the upper extremity including bony landmarks, muscular, ligamentous attachments and blood and nerve supply studied through lecture, lab, dissection of human cadavers, and independent study.

about Anatomy IV - Upper Extremity
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

Pharmacology, medical imaging, electromyography, and other selected diagnostic tests as related to physical therapist practice. Content emphasizes expected and adverse effects of selected medications, documentation of results of medical imaging procedures, and the use of muscle and nerve integrity testing via nerve conduction velocity techniques.

about Body Systems III – Diagnostics
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter
PT 7294. Special Issues in Physical Therapy.
Provides opportunities for learning through lecture covering multiple physical therapy practice settings and areas of specialization. Also designed to provide information relevant to the licensure process, preparation for the licensure exam, and test-taking strategies to enhance performance. This course is repeatable for credit. Prerequisite: Taken in last semester of program.
about Special Issues in Physical Therapy
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
about Special Issues in Physical Therapy

Introduction to the structure and function of the human body with emphasis on the skeletal, muscular, and nervous system. Content includes laboratory study of the human cadaver.
about Anatomy I: Structural Anatomy
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Anatomy I: Structural Anatomy

PT 7312. Patient Care Skills I.
This course introduces students to basic patient care skills and documentation. Topics emphasized include body mechanics, patient positioning, mobility, transfers, patient communication/instruction skills, and documentation format. Students will also receive an introduction to therapeutic exercise, health promotion and wellness, and infection control as well as patient rights and reimbursement issues.
about Patient Care Skills I
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Patient Care Skills I

Normal and abnormal organ system function as related to physical therapist practice with emphasis on the musculoskeletal, neuromuscular, cardiovascular/pulmonary, and integumentary systems. Content includes tissue inflammation and repair, infection, degenerative processes, and changes related to processes of aging.
about Body Systems I – Pathology
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
about Body Systems I – Pathology

Structure and function of the central, peripheral, and autonomic nervous systems in the context of lifespan human development.
about Neuroscience I: Functional Neuroanatomy
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Neuroscience I: Functional Neuroanatomy

PT 7327. Research in Physical Therapy I.
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This initial course emphasizes the application of basic principles of the scientific method for: 1) critically reviewing physical therapy literature; 2) developing research proposals; and 3) identifying the tools necessary for analysis and assessment of clinical practice patterns.
about Research in Physical Therapy I
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
about Research in Physical Therapy I

PT 7328. Examination Techniques.
This course introduces students to basic evaluation and examination techniques used in physical therapy. Students will perform basic orthopedic, neurologic, cardiopulmonary, and integumentary evaluations in open lab and case-based learning environments. An emphasis will be placed on body mechanics, communication skills, positioning, and draping.
about Examination Techniques
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Examination Techniques

PT 7333. Body Systems II – Cardiovascular/ pulmonary System.
Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription, and cardiac rehabilitation.
about Body Systems II – Cardiovascular/pulmonary System
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
about Body Systems II – Cardiovascular/pulmonary System

Study of typical growth and motor development and diseases, disorders, and dysfunction affecting postural control from birth to young adulthood. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
about Neuroscience II – Pediatrics
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Neuroscience II – Pediatrics

PT 7346. Neuroscience III.
This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
about Neuroscience III
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
about Neuroscience III
PT 7347. Research in Physical Therapy II.  
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This second course emphasizes the proposal writing aspect of research, building on knowledge of research methods and statistics gained in PT 7327. Includes introduction to statistical software packages used for data-analysis and generating bibliographic material.

about Research in Physical Therapy II
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

about Patient Care Skills II
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7356. Neuroscience IV.

This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.

about Neuroscience IV
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

about Management Issues
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.

PT 7363. Body Systems III – Cardiovascular/Pulmonary System.

Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription and cardiac rehabilitation. This course is repeatable for credit.

about Body Systems III – Cardiovascular/Pulmonary System
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

about Musculoskeletal I – Spine
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.

PT 7370. Clinical Education I.

A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.

about Clinical Education I
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

about Patient Care Skills II
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7428. Therapeutic Interventions.

Provides an introduction to basic therapeutic interventions. Topics emphasized include current theory and application of tissue mobilization, light, heat, cold, ultrasound, hydrotherapy, compression, and electrical currents as well as assistive devices, traction, and isokinetics. Introduces therapeutic exercise including energy metabolism, muscle physiology, and response to exercise.

about Therapeutic Interventions
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

about Musclekeletal I – Spine
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
PT 7549. Musculoskeletal II - Lower Extremity.
Study of static structural and dynamic aspects of the lower extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.

about Musculoskeletal II - Lower Extremity

5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

about Musculoskeletal II - Lower Extremity

PT 7559. Musculoskeletal III - Upper Extremity.
Study of static structural and dynamic aspects of the upper extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.

about Musculoskeletal III - Upper Extremity

5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

about Musculoskeletal III - Upper Extremity

PT 7690. Clinical Education IV.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.

about Clinical Education IV

6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

about Clinical Education IV