

# PHYSICAL THERAPIST ASSISTING TECHNOLOGY (PTAT)

## **PTAT-1100 Introduction to Physical Therapist Assisting 2 Credits**

History and principles of physical therapy. Role, responsibilities, and supervision of the physical therapist assistant. Survey of physical therapy interventions and services. Emphasizes the legal, ethical responsibilities, as well as professional behaviors relating to physical therapy service. Content also covers communication, cultural diversity, and provides introduction to medical record documentation.

*Lecture: 2 hours*

*Prerequisite(s): ENG-1010 College Composition I, or ENG-101H Honors College Composition I; and MA-1020 Medical Terminology; and departmental approval.*

## **PTAT-1300 Functional Anatomy 4 Credits**

Study of anatomy and function of human body to include head, neck, shoulder girdle, trunk, and upper and lower extremities. Study of motion of human body as basic to application of exercise with emphasis on study of functional problems for analysis of body movement.

*Lecture: 3 hours. Laboratory: 3 hours*

*Prerequisite(s): BIO-2331 Anatomy and Physiology I, and MA-1020 Medical Terminology I; and departmental approval: admission to Physical Therapist Assisting program or Occupational Therapy program.*

## **PTAT-1312 Fundamentals of Physical Therapy 3 Credits**

Introduces the fundamental procedures and theories for practice of physical therapy. Identify the key elements of posture, movement, body mechanics, lifting and moving patients. Introduces the theories and applications regarding gait, assistive devices, and bandaging. Identify wheelchair features, maintenance and mobility. Introduce professional behaviors and the therapeutic relationship.

*Lecture: 2 hours. Laboratory: 3 hours*

*Prerequisite(s): HTEC-1000 Introduction to Patient Care, and concurrent enrollment in PTAT-1300 Functional Anatomy, and departmental approval: admission to program.*

## **PTAT-1320 Introduction to Therapeutic Exercise 2 Credits**

Introduction to the principles of therapeutic exercise including passive, active, active assistive, and resistive exercise. Differentiation of strength, flexibility and stretching exercises.

*Lecture: 1.5 hour. Laboratory: 1.5 hour*

*Prerequisite(s): HTEC-1000 Introduction to Patient Care; and concurrent enrollment in PTAT-1300 Functional Anatomy, and departmental approval.*

## **PTAT-1401 Clinical Pathophysiology 2 Credits**

Introduction to medical conditions commonly encountered in the practice of physical therapy that affect such systems as the Endocrine, Immune, Peripheral Vascular and Vestibular systems. Discuss health and disease and process of inflammation and repair of tissue and mechanisms of pain.

*Lecture: 2 hours*

*Prerequisite(s): PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and BIO-2341 Anatomy and Physiology II, and departmental approval.*

## **PTAT-1411 Physical Therapy Procedures 3 Credits**

Physical therapy procedures focuses on the principles and application of various therapeutic modalities used in physical therapy treatment that augment rehabilitation intervention as part of the comprehensive physical therapy treatment plan.

*Lecture: 2 hours. Laboratory: 3 hours*

*Prerequisite(s): PTAT-1100 Introduction to Physical Therapist Assisting, PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and departmental approval.*

## **PTAT-1420 Therapeutic Exercise 3 Credits**

Physical therapy techniques and principles utilized in therapeutic exercise, including the progression of therapeutic exercise.

*Lecture: 2 hours. Laboratory: 3 hours*

*Prerequisite(s): PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and PTAT-1320 Introduction to Therapeutic Exercise, and departmental approval.*

## **PTAT-1820 Independent Study/Research in Physical Therapist Assisting 1-3 Credits**

Directed individual study. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.

*Lecture: 1-3 hours*

*Prerequisite(s): Departmental approval, and instructor approval, and ENG-0995 Applied College Literacies, or appropriate score on English Placement Test. Note: ENG-0990 Language Fundamentals II taken prior to Fall 2021 will also meet prerequisite requirements.*

## **PTAT-2200 Physical Therapy in Acute Care Setting 2 Credits**

Explores the procedures, equipment and common pathologies encountered in the practice of physical therapy in the acute care environment. Physical therapy techniques for intervention are also presented, demonstrated and practiced.

*Lecture: 1.5 hour. Laboratory: 1.5 hour*

*Prerequisite(s): PTAT-1312 Fundamentals of Physical Therapy, and departmental approval.*

## **PTAT-2301 Long Term Physical Therapy Rehabilitation Procedures 4 Credits**

Physical therapy techniques and procedures required for long term adult rehabilitation in selected diagnoses and impairments.

*Lecture: 3 hours. Laboratory: 3 hours*

*Prerequisite(s): BIO-2341 Anatomy and Physiology II, and, PTAT-1401 Clinical Pathophysiology, and PTAT-1420 Therapeutic Exercise, and departmental approval.*

**PTAT-2310 Pediatric Physical Therapy**

**2 Credits**

Examine the special considerations for the physical therapy approaches and procedures regarding infants and children. Identify typical fetal and postnatal growth and development. Examination of wide range of disease and disabilities affecting infants and children, and physical therapy skills necessary for interaction and treatment of this patient population.

*Lecture: 2 hours*

*Prerequisite(s): BIO-2341 Anatomy and Physiology II, PTAT-1401 Clinical Pathophysiology, PTAT-1411 Physical Therapy Procedures, and PTAT-1420 Therapeutic Exercise, and departmental approval.*

**PTAT-2330 Geriatric Physical Therapy**

**2 Credits**

Course is designed to highlight special considerations of physical therapy approaches, role, and procedures regarding the older adult population. Statistics, myths, and legislation regarding aging population are presented and reviewed, as well as, typical aging and its implications for treatment and wellness.

*Lecture: 2 hours*

*Prerequisite(s): PTAT-1401 Clinical Pathophysiology, and PTAT-1420 Therapeutic Exercise; and concurrent enrollment in PTAT-2301 Long Term Physical Therapy Rehabilitation Procedures, and departmental approval.*

**PTAT-2341 Psychosocial issues in Physical Therapy**

**2 Credits**

Designed to familiarize the student with the common mental health illnesses and psychosocial issues that may affect physical therapy interventions.

*Lecture: 2 hours*

*Prerequisite(s): PTAT-1100 Introduction to Physical Therapist Assisting; and PSY-1010 General Psychology or concurrent enrollment; or PSY-101H Honors General Psychology, or concurrent enrollment.*

**PTAT-2820 Advanced Independent Study/Research in Physical Therapist Assisting**

**1-3 Credits**

Directed individual advanced study. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.

*Lecture: 1-3 hours*

*Prerequisite(s): Departmental approval, and instructor approval, and ENG-0995 Applied College Literacies, or appropriate score on English Placement Test. Note: ENG-0990 Language Fundamentals II taken prior to Fall 2021 will also meet prerequisite requirements.*

**PTAT-2840 Clinical Practicum I**

**2 Credits**

Capstone course in Physical Therapist Assisting Technology. Application of learned physical therapy techniques in a clinical setting. It is recommended that program students register for this course as pass/no pass.

*Other Required Hours: 240 hours per semester (40 hours per week for 8 weeks).*

*Prerequisite(s): Concurrent enrollment in PTAT-2970, and departmental approval: completion of all didactic coursework in the PTAT program.*

**PTAT-2850 Clinical Practicum II**

**2 Credits**

Capstone course in Physical Therapist Assisting Technology. Application of learned physical therapy techniques in a clinical setting. It is recommended that program students register for this course as pass/no pass. Other required hours: Clinical Practicum: 240 hours per semester (40 hours per week for 8 weeks).

*Prerequisite(s): PTAT-2840 Clinical Practicum I and PTAT-2970 Practicum Seminar, and departmental approval.*

**PTAT-2940 Field Experience I**

**1 Credit**

Application of learned physical therapy techniques in clinical setting. It is recommended that program students register for this course as pass/no pass.

*Other Required Hours: Field experience: 195 hours per semester (39 hours per week for 5 weeks).*

*Prerequisite(s): PTAT-1420 Therapeutic Exercise or concurrent enrollment, and PTAT-1411 Physical Therapy Procedures or concurrent enrollment, and departmental approval.*

**PTAT-2970 Practicum Seminar**

**1 Credit**

Course covers the integration of knowledge and skills acquired in academic coursework and clinical practicum. Examination of the role and function of the physical therapist assistant in preparation for licensure and entry into the workforce. It is recommended that program students register for this course as pass/no pass.

*Other Required Hours: Seminar: 15 hours per semester.*

*Prerequisite(s): Concurrent enrollment in PTAT-2840 Clinical Practicum I and concurrent enrollment in PTAT-2850 Clinical Practicum II, and departmental approval: completion of all didactic coursework in PTAT program.*