Physical Therapist Assistant (PTA)

Courses

PTA 1010. Introduction to Physical Therapy. 2 Hours.
This course introduces students to the field of physical therapy through the history and definition of the profession. Other topics include medical terminology and documentation. Health care for a diverse population begins its thread in this course. PTA 1010 is prerequisite to acceptance into the technical phase of the PTA program and is an open-enrollment course. Note: You are responsible for content/dates/announcements posted on Canvas. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Distinguish members of the health care team including their role(s) within the team. 2. Explain the purpose and intent of the Standards of Ethical Conduct for the PTA and The Guide for Conduct of the Physical Therapist Assistant. 3. Define HIPAA and give examples of its application to the rehabilitation team. 4. Discuss specialty areas within the field of physical therapy. 5. Identify basic components of SOAP note documentation. SP.

PTA 2000. Practice Issues. 2 Hours.
Discussions include the health care team, the rehabilitation-specific team, the roles and scopes of practice of the physical therapist and the physical therapist assistant, and the physical therapist/assistant interaction. Also covers the rehabilitation patient, communication in health care, patient care settings, reimbursement issues, the "Patient's Bill of Rights," and HIPAA. This course reviews the "Ethics & Jurisprudence" of physical therapist assistant practice. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Define the role of the physical therapist assistant in the provision of interventions. 2. Describe the importance of involvement in organizations such as APTA to further career development. 3. Demonstrate responsibility for addressing ethical and/or legal conflicts. 4. Provide classroom participation on relevant health care and physical therapy issues. 5. Explain the role of the physical therapist assistant in the promotion of healthy lifestyles, wellness, and injury prevention. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP.

PTA 2010. Kinesiology. 2 Hours.
Students develop competencies in identifying anatomical landmarks and symmetry, joint mechanics and function, posture, an introduction to gait, and neurological control. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Observe the gait cycle and identify each phase. 2. Define and give examples of force couples in the musculoskeletal system. 3. Describe lever arm length and mechanical advantage relationships and how they affect treatment procedures. 4. List the origin, insertion, action and peripheral nerve innervations of selected muscles of the human body. 5. Identify the anatomical components of correct postural alignment including description of normal curves of the vertebral column. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2011. Kinesiology Lab. 2 Hours.
Students develop competencies in identifying anatomical landmarks and symmetry, joint mechanics and function, posture, an introduction to gait, and neurological control. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Locate and describe anatomical structures using descriptive terminology. 2. Identify selected bones and bony landmarks of the axial & appendicular skeleton by visual recognition on a skeletal model and diagram. 3. Describe lever arm length and mechanical advantage relationships and how they affect treatment procedures. 4. Describe lever arm length and mechanical advantage relationships and how they affect treatment procedures. 5. Observe the gait cycle and identify each phase. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2110. Fundamentals of Physical Therapy. 2 Hours.
This course includes those fundamental skills required for successful patient treatment and care. Topics covered include patient draping and preparation, vital signs, body mechanics, bed mobility, transfers, gait training, wheelchair fitting and repair, tilt table, activities of daily living, architectural barriers, documentation, basic skills for patient/family education, safety, cultural sensitivity, and age related considerations. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe safe posture and body mechanics to assure safety for self and patients. 2. Define the stages in the development of dermal ulcers, methods of prevention, and methods of treatment. 3. Explain the methods of data collection for documentation of wound care. 4. Describe the best practice of hand washing and explain its rationale. 5. Give examples of activities of daily living that are amenable to physical therapy treatment intervention. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA SP.
PTA 2111. Fundamentals Physical Therapy Lab. 2 Hours.
This course includes those fundamental skills required for successful patient treatment and care. Topics covered include patient draping and preparation, bed mobility, transfers, gait training, wheelchair fitting and repair, tilt table, activities of daily living, architectural barriers, documentation, basic skills for patient/family education, safety, cultural sensitivity, and age related considerations. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate safe posture and body mechanics to assure safety for self and patients. 2. Demonstrate the operations of a wheelchair including removal and replacement of various parts, safety in use, placement, and mobility. 3. Demonstrate the application of wound dressings after identifying appropriate dressings or agents. 4. Demonstrate the best practice of hand washing and explain its rationale. 5. Demonstrate examples of activities of daily living that are amenable to physical therapy treatment intervention. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP.

PTA 2200. Physical Agents. 2 Hours.
Students develop competence in the correct application of therapeutic modalities including heat, cold, electrotherapy, intermittent compression, massage, traction, and ultrasound. Evidenced based practice and indications/contraindications are emphasized. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. List the indications and contraindications for the interventions. 2. List the precautions and safety considerations for the interventions. 3. List the precautions and safety considerations for the interventions. 4. Discuss the evidence-based literature on selected interventions. 5. Describe appropriate modifications to the intervention in response to adverse changes in the patient's status for a given intervention. 6. Discuss the role of the intervention as related to the achievement of goals in the plan of care. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2201. Physical Agents Lab. 2 Hours.
Students develop competence in the correct application of therapeutic modalities including heat, cold, electrotherapy, intermittent compression, massage, traction, and ultrasound. Evidenced based practice and indications/contraindications are emphasized. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate understanding, through lab practical exams, of the indications and contraindications for the interventions listed below. 2. Demonstrate understanding, through lab practical exams, of the indications and contraindications for the interventions listed below. 3. Present an in-service on evidence-based literature on selected interventions. 4. Modify a given intervention in response to adverse changes in the patient's status. 5. Perform appropriate tests and measures to determine patient response to the intervention. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP.

PTA 2210. Observation & Measurement. 2 Hours.
This is a course that covers the bases for recognizing movement and other dysfunctions and the tools used for problem solving in physical therapy. These include goniometry, manual muscle testing, posture, vital signs, sensation, gait and balance, etc. Students are instructed in the role and scope of the PTA in regard to these measures. Patient progress and accurate reporting to the physical therapist are emphasized. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Explain variations in muscle tone regarding normal, denervated, deconditioned, and other pathologies affecting muscle contractility. 2. Demonstrate proper and established technique during palpation, goniometry, manual muscle testing, gait, posture, sensory and vital signs procedures. 3. Describe specific data collection techniques used by the physical therapist assistant to monitor patient/client status. 4. Demonstrate proper recording and documentation of assessment results. 5. Complete data collection during the performance of directed interventions using established tools. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA, SP.

PTA 2211. Observation & Measurement Lab. 2 Hours.
Students develop competence in the skills of measurements used in physical therapy. Students will become familiar with the use of goniometers, blood pressure cuffs, grip meters, and other tools of measurement. The skills of analyzing gait and posture will be included. Lab assessments will include the reporting of observable and measureable data and their significance to patient progress. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Perform data collection in an accurate and timely manner. 2. Demonstrate measurement of functional range of motion for the major upper and lower extremity joints. 3. Demonstrate data collection of muscle performance through measurement of strength using manual muscle testing procedures. 4. Select and perform the correct data collection technique for the related directed intervention for a given case example. 5. Demonstrate proper recording and documentation of assessment results. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP, FA.

PTA 2300. Orthopedic Rehabilitation. 2 Hours.
This course includes development of therapeutic exercise and other treatment practices for patients with musculoskeletal pathologies. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Explain the stages of healing and the parameters regarding therapeutic exercise for each stage. 2. Explain psychosocial implications that determine patient motivation, compliance with exercise regimes, and the methods of communication that block or enhance these issues. 3. Distinguish between isometric, isotonic, and isokinetic exercise procedures and implement them into a treatment program for selected musculoskeletal disorders. 4. Discuss the methods of stretching soft tissue structures and implement this into a treatment program. 5. Research and present various musculoskeletal pathologies with their etiology, clinical signs and symptoms, and therapeutic exercise programs. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP.
PTA 2301. Orthopedic Rehabilitation Lab. 2 Hours.
Students practice and gain competence in the application of therapeutic exercise, the rationale for its use, safety principles involved in, and its application across the lifespan. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Understand PROM, AAROM, and AROM for upper and lower extremities. 2. Understand manual resistive exercise for upper and lower extremities including basic aquatic exercise programs for musculoskeletal pathologies. 3. Instruct the patient/client in a home exercise program utilizing equipment commonly found in the home for a given case example. 4. Demonstrate appropriate communication strategies for providing instruction in a home exercise program in a role play situation. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2400. Clinical Pathology. 3 Hours.
An overview of basic disease progression and classification with special emphasis in musculoskeletal and nervous system pathologies treated with physical therapy interventions. A $200 Physical Therapy Assistant Program fee applies to this course. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. At the successful conclusion of this course, students will be able to: 1. Describe the effects of bed rest and immobilization of a body part on various tissues and systems. 2. Describe the concepts of tissue repair, remodeling and regeneration. 3. Understand prognosis, goal setting, implementation and intervention of appropriate physical therapy interventions. 4. Identify the various behavioral, social and environmental factors of disease. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2410. Special Clientele. 2 Hours.
Students are introduced to the therapeutic principles underlying the treatment of patients with burns, amputations, cardiopulmonary pathologies and considerations, women's health issues, and selected age-specific disorders. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of positioning and therapeutic exercise for the amputee, emphasizing the residual limb by implementing an appropriate program. 2. Identify and define the goals of chest physical therapy. 3. Identify and describe data collection techniques relative to the cardiac patient. 4. Identify treatment components and precautions for working with the obstetric patient. 5. Identify the role of physical therapy in a burn patient. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2411. Special Clientele Lab. 1 Hour.
Students review anatomical and physiological aspects of the cardiopulmonary system and are introduced to the cardiac rehabilitation program. Orthotic and prosthetic devices are presented, rationale for their use, fitting, and adjustments are reviewed. Students will review physical therapy techniques for women's health, and age-related pathologies and practice appropriate techniques. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Develop and provide instruction of a therapeutic exercise program appropriate for a patient with a lower extremity amputation. 2. Demonstrate breathing strategies used for airway clearance in pulmonary pathologies. 3. Demonstrate and explain positioning and postural drainage techniques for the pulmonary patient. 4. Demonstrate clear instructions on bed mobility, transfer and gait training skills for a cardiac patient with cardiac precautions. 5. Demonstrate competent instruction in a home exercise program emphasizing body mechanic training and postural awareness training for an obstetric patient. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2520. Neuromuscular Rehabilitation. 2 Hours.
This course is intended to discover and develop a working knowledge of patients with neurological pathologies and their treatment. Age-related, injury, and disease processes are considered. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe the major components of the central nervous system including the brain, cerebellum, brain stem and spinal cord. 2. Explain why and how motor patterns continue to change throughout the lifespan. 3. Identify the general guidelines and tools (FIM Scoring) for functional assessment. 4. Describe specific treatment interventions to facilitate functional movement in a patient with a TBI. 5. Describe balance reactions and treatment for balance disorders. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA, SP.

PTA 2521. Neuromuscular Rehabilitation Lab. 2 Hours.
Students are introduced to and develop competencies in the application of specific treatment procedures used with patients exhibiting neuromuscular pathologies. Treatment modifications, best practices, and current concepts are practiced. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate the components of the developmental sequence. 2. Demonstrate data collection techniques used to test balance and vestibular responses. 3. Plan and demonstrate appropriate transfer techniques of a hemiplegic patient. 4. Describe and perform various mat and exercise activities typically prescribed to the patient with traumatic brain injury. 5. Demonstrate the ability to implement a comprehensive treatment plan established by the PT for a neurological dysfunction, including functional training, balance, gait, developmental activities, patient/family education, postural training, and therapeutic exercise. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.
PTA 2530. Seminar. 4 Hours.
This course is divided into 3 main learning modules: Module I: Psychosocial considerations with application to cultural/gender/aging/family dynamics in relation to death and dying and the grieving process are presented and discussed. In addition, caregiver self-care, assertive communication, and clinical burnout are presented. Students will be introduced to emotional intelligence and what part it plays in physical therapy. Module II: An introduction to effective administration of physical therapy environments, including management techniques, fiscal considerations, continuous quality assurance, voluntary accreditation, and other relevant topics related to the business and delivery of physical therapy care. Students will also have the opportunity to create a descriptive resume, practice interview strategies, and discuss other topics in preparation for entering the physical therapy workplace. Module III: A review of the required text with an emphasis in board exam study and test-taking strategies. Some review of previous PTA course content will occur in this module. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Identify strategies for achieving balance in personal and career pursuits. 2. Identify stages of the grieving process and therapist/patient/family reactions to death and dying. 3. Describe administration of a physical therapy delivery service including, but not limited to, personnel management, budget creation and accountability, daily operations and organization, organizational charts, etc. 4. Write a resume using current categories, information, and practices. 5. Engage in verbal and written reflection on ethical and legal issues. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. FA.

PTA 2605. Clinical Practicum (ALPP). 4 Hours.
A three-week, full-time clinical experience in a physical therapy workplace setting. Students will have opportunities to apply the thinking processes and skills learned from previous courses. Supervision is provided by physical therapists and physical therapist assistants employed by the host facility. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate ability to self-assess and report student progress in clinical education and competence through weekly journal entries. 2. Demonstrate ability to present an inservice to professional colleagues relevant to clinical experience using pertinent and current research. 3. Demonstrate developing performance and behavioral expectations by earning at least "Entry level" performance criteria (1-3, 5, 7), and "Advanced beginner" in all other performance criteria if applicable within the clinical setting within the Student Clinical Performance Instrument. This is to be accomplished by meeting the objectives relative to each performance criteria (PC) as outlined in the CPI. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SU.

PTA 2705. Clinical Affiliation I (ALPP). 6 Hours.
A six-week, full-time clinical experience in a physical therapy workplace setting. Students will have opportunities to apply the thinking processes and skills learned from previous courses. Supervision is provided by physical therapists and physical therapist assistants employed by the host facility. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate ability to self-assess and report student progress in clinical education and competence through weekly journal entries. 2. Demonstrate ability to present an inservice to professional colleagues relevant to clinical experience using pertinent and current research. 3. Demonstrate developing performance and behavioral expectations by earning at least "Entry level" on the rating scale for each of the "red flag" performance criteria (1-3, 5, 7), and "Advanced Intermediate" in all other performance criteria if applicable within the clinical setting within the Student Clinical Performance Instrument. This is to be accomplished by meeting the objectives relative to each performance criteria (PC) as outlined in the CPI. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SU.

PTA 2805. Clinical Affiliation II (ALPP). 6 Hours.
A six-week, full-time clinical experience in a physical therapy workplace setting. Students will have opportunities to apply the thinking processes and skills learned from previous courses. Supervision is provided by physical therapists and physical therapist assistants employed by the host facility. This course is designated as an Active Learning Professional Practice (ALPP) course. This course allows students to explore and apply content learned in the course in a professional experience away from the classroom. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate ability to self-assess and report student progress in clinical education and competence through weekly journal entries. 2. Demonstrate ability to present an inservice to professional colleagues relevant to clinical experience using pertinent and current research. 3. Demonstrate developing performance and behavioral expectations by earning at least "Entry level" on the rating scale for each of the "red flag" performance criteria (1-3, 5, 7), and "Advanced Intermediate" in all other performance criteria if applicable within the clinical setting within the Student Clinical Performance Instrument. This is to be accomplished by meeting the objectives relative to each performance criteria (PC) as outlined in the CPI. Course fee required. Prerequisite: Admission to the Dixie State University Physical Therapist Assistant program. SP.
PTA 3000. Clinical Skills. 2 Hours.
This course enables the application of practical skills learned throughout the curriculum. Critical thinking will be emphasized as the students implement their knowledge into practical skills. Students will be evaluated on the ability to review evaluations, progress summaries, and plans of care written by the physical therapist. The students will gain proficiency implementing the POC and suggesting modifications as needed. Students will also be evaluated regarding timeliness, efficiency and productivity. This course requires a Differential Tuition Rate which is an additional fee of $90 charged per credit hour.

**COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course, students will be able to:

1. Interpret, review, and understand the PT plan of care to achieve short and long term goals.
2. Interview mock patient and caregivers to appropriately gain information regarding current health status.
3. Implement the POC appropriately being able to decipher any contraindications, progressions or changes that may need to be made.
4. Determine and assess the need to communicate with the PT.
5. Acquire the ability to communicate inter-professionally with the referring provider and others who make up the healthcare team.
6. Demonstrate the ability to set a patient up and deliver treatment in a logical and efficient manner.
7. Apply information gained during treatment to effectively document treatment according to individual SOAP note formats.
8. Establish and execute appropriate home exercise programs to the patient as well as effectively communicating to family and caregivers.
10. Understand when discontinuation of care should be recommended by the PTA to the PT.
11. Communicate appropriately with those acting as support staff.
12. Practice under state and federal laws.
13. Recognize signs of abuse.
14. Create an action plan to an ethical situation using logical, moral reasoning that exhibits the core professional ethics and values of the practice act.
15. Support treatments with evidence based resources to reinforce clinical decision making.

Prerequisite: Admission to the Physical Therapist Assistant Program. FA.