

# Physical Therapist Assistant Mississippi Curriculum Framework

Physical Therapist Assistant- CIP: 51.0806 (Physical Therapy Technician/Assistant)

2024



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# Adoption of National Certification Standards

The Commission on Accreditation in Physical Therapy Education (CAPTE) is an accrediting agency that is nationally recognized by the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA). CAPTE grants specialized accreditation status to qualified entry-level education programs for physical therapists and physical therapist assistants.

The Commission on Accreditation in Physical Therapy Education (CAPTE):

- is the only accreditation agency recognized by the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA) to accredit entry-level physical therapist and physical therapist assistant education programs;
- has been recognized as an independent agency since 1977 and has been the only recognized agency to accredit physical therapy (PT) programs since 1983;
- currently accredits over 200 physical therapist education programs and over 300 physical therapist assistant (PTA) education programs in the US and one physical therapist education program in Scotland;
- has 31 members from a variety of constituencies: PT and PTA clinicians, PT and PTA educators, basic scientists, higher education administrators, and the public;
- maintains a cadre of more than 350 volunteers who are trained to conduct on-site reviews of physical therapy programs;
- conducts on-site visits to approximately 80 programs annually;
- reviews information from approximately one-third of all accredited programs at each meeting;
- is an active member of the Association of Specialized and Programmatic Accreditors (ASPA) and subscribes to the ASPA Code of Good Practice.

For more than 25 years, The Federation of State Boards of Physical Therapy (FSBPT) has been paving the way for public protection. If you view their history timeline, you will see what they have accomplished and the people who have made it happen. You'll find everything from the birth of the Federation in the early 80s to our 25th anniversary celebration and beyond. FSBPT strives to live by a clearly defined mission and vision. Their mission conveys the direction of their organization and our vision inspires them to achieve a common purpose.

**Mission:** To protect the public by providing service and leadership that promote safe and competent physical therapy practice.

**Vision:** To achieve a high level of public protection through a strong foundation of laws and regulatory standards in physical therapy, effective tools and systems to assess entry-level and continuing competence, and public and professional awareness of resources for public protection.

## Industry Job Projection Data

A summary of occupational data is available from the Mississippi Department of Employment Security.

<https://mdes.ms.gov/information-center/labor-market-information/>

## Articulation

Check with the local community college CTE administration for articulation agreements.

## Industry Credentials, Certifications, and Professional Licensure

As curricula are revised or developed for Career Technical Education (for credit) programs at Mississippi's community colleges, appropriate industry credentials/certifications/professional licensure are identified (where applicable).

Each community college cooperating with businesses/industries in their college district determines if and when industry credentials/certifications/professional licensure are warranted.

Contact each community college for more information.

## Dual Enrollment

See the "Procedures Manual For Dual Enrollment and Accelerated Programs"

[http://www.mississippi.edu/cjc/dual\\_enrollment.asp](http://www.mississippi.edu/cjc/dual_enrollment.asp)

## Research Abstract

In the spring of 2024, the Office of Curriculum and Instruction (OCI) met with the different industry members who made up the advisory committees for the Physical Therapy Assistant program. An industry questionnaire was used to gather feedback concerning the trends and needs, both current and future, of their field. Program faculty, administrators, and industry members were consulted regarding industry workforce needs and trends.

Industry advisory team members from the college involved with this program were asked to give input related to changes to be made to the curriculum framework. Specific comments related to soft skills needed in this program include reading and writing skills, positive work ethic, professionalism, good oral and written communication skills, critical thinking skills, team player, organizational skills, and time management. Stated occupation-specific skills include knowing how to communicate with the patient, bending, squatting, lifting 90-100 lbs, being able to take and read vital signs, and understanding procedures.

A curriculum writing meeting was convened in October 2017 and attended by faculty, administrators, and industry members.

## Revision History:

2010, Research and Curriculum Unit, Mississippi State University

2018 Mississippi Community College Board

2024 Mississippi Community College Board

## Program Description

The Physical Therapist Assistant (PTA) program, is a 2-yr program of study that prepares a physical therapist assistant to perform interventions under the direction and supervision of physical therapists (PTs) in an ethical, legal, safe, and effective manner. These professionals enhance the delivery of physical therapy services by performing selected data collection skills and providing selected interventions, assisting the PT with data collection, communicating with other members of the health-care delivery team, interacting with members of the patient's family and caregivers, and working cooperatively with other health care providers. Physical therapist assistants participate with the PT in teaching other health-care providers, documenting patient interventions, and providing psychosocial support for patients and their families and caregivers with recognition of individual, cultural, and economic differences.

This program prepares the graduate to practice in schools, hospitals, clinics, home health, and other health-care facilities as a member of the health-care team. In Mississippi, physical therapist assistants are licensed by the Mississippi State Board of Physical Therapy. This curriculum conforms to standards and elements as published by the Commission on Accreditation for Physical Therapy Education. Industry standards are based on the *Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs*.

# Suggested Course Sequence

## Required Courses

Course Number	Course Name	Semester Credit Hours	SCH Breakdown			Total Contact Hours	Certification Information
			Lecture	Lab	Clinical		Certification Name
PTA 1123	Fundamental Concepts of Physical Therapy	3	3	0	0	45	National Physical Therapy Examination (NPTE) for Physical Therapist Assistants
PTA 1213	Fundamental Skills for Physical Therapist Assistants	3	2	2	0	60	
PTA 1224	Biophysical Agent	4	3	2	0	75	
PTA 1314	Kinesiology	4	3	2	0	75	
PTA 1324	Therapeutic Exercise and Rehabilitation I	4	3	2	0	75	
PTA 2234	Electrotherapy	4	3	2	0	75	
PTA 2334	Therapeutic Exercise and Rehabilitation II	4	3	2	0	75	
PTA 2413	Clinical Education I	3	0	0	9	135	
PTA 2424	Clinical Education II	4	0	0	12	180	
PTA 2513	Medical Conditions and Related Pathology	3	3	0	0	45	
PTA 2523	Physical Therapy Seminar	3	3	0	0	45	
	Other Instructor Approved Elective(s) per local community college	0-6					
<b>TOTAL</b>		<b>47-53</b>	<b>26</b>	<b>12</b>	<b>42</b>	<b>1245</b>	

**Physical Therapist Assistant Courses**

Course Number	Course Name	Semester Credit Hours	SCH Breakdown			Total Contact Hours	Contact Hour Breakdown			Certification Information
			Lecture	Lab	Clinical		Lecture	Lab	Clinical	Certification Name
PTA 1111	Health Care Experience I	1	0-1	0	0-3	15-45	0-15	0	0-45	
PTA 1123	Fundamental Concepts of Physical Therapy	3	3	0	0	45	45	0	0	
PTA 1132	Practicum I	2	0	0	6	90	0	0	90	
PTA 1143	Practicum II	3	0	0	9	135	0	0	135	
PTA 1151	Health Care Experience II	1	0-1	0	0-3	15-45	0-15	0	0-45	
PTA 1213	Fundamental Skills for Physical Therapist Assistants	3	2	2	0	60	30	30	0	
PTA 1224	Biophysical Agents	4	3	2	0	75	45	30	0	
PTA 1314	Kinesiology	4	3	2	0	75	45	30	0	
PTA 1324	Therapeutic Exercise and Rehabilitation I	4	3	2	0	75	45	30	0	
PTA 1911	Seminar I	1	1	0	0	15	15	0	0	
PTA 1921	Seminar II	1	1	0	0	15	15	0	0	
PTA 2112	Clinical Skills	2	2	0	0	30	30	0	0	
PTA 2234	Electrotherapy	4	3	2	0	75	45	30	0	
PTA 2334	Therapeutic Exercise and Rehabilitation II	4	3	2	0	75	45	30	0	
PTA 2413	Clinical Education I	3	0	0	9	135	0	0	135	
PTA 2424	Clinical Education II	4	0	0	12	180	0	0	180	
PTA 2434	Clinical Education III	4	0	0	12	180	0	0	180	
PTA 2444	Clinical Education IV	4	0	0	12	180	0	0	180	
PTA 2513	Medical Conditions and Related Pathology	3	3	0	0	45	45	0	0	
PTA 2523	Physical Therapy Seminar	3	3	0	0	45	45	0	0	
PTA 2911	Seminar III	1	1	0	0	15	15	0	0	
PTA 2127	Terminal Clinical Education	7	0	0	21	315	0	0	315	

# General Education Core Courses

## Physical Therapist Assistant

To receive the Associate of Applied Science Degree, a student must complete all of the required coursework found in the Career Certificate option, Technical Certificate option and a minimum of 15 semester hours of General Education Core. The courses in the general education core may be spaced out over the entire length of the program so that students complete some academic and Career Technical courses each semester or provided primarily within the last semester. Each community college will specify the actual courses that are required to meet the general education core requirements for the Associate of Applied Science Degree at their college. The Southern Association of Colleges and Schools (SACS) Commission on Colleges Standard 2.7.3 from the Principles of Accreditation: Foundations for Quality Enhancement <sup>1</sup> describes the general education core.

Section 2.7.3 In each undergraduate degree program, the institution requires the successful completion of a general education component at the collegiate level that (1) is substantial component of each undergraduate degree, (2) ensures breadth of knowledge, and (3) is based on a coherent rationale. For degree completion in associate programs, the component constitutes a minimum of 15 semester hours or the equivalent. These credit hours are to be drawn from and include at least one course from the following areas: humanities/fine arts, social/behavioral sciences, and natural science/mathematics. The courses do not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession.

## Standards and Required Elements

The Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs are outlined by the Commission on Accreditation in Physical Therapy Education (CAPTE).<sup>2</sup>

### Standard 7 – Required Elements

7A The physical therapist assistant curriculum includes content and learning experiences in general and technical education necessary for entry-level practice. Topics covered include

7A1 A complement of academic general education coursework appropriate to the degree offered that includes communication, biological, physical, behavioral, and social sciences, which prepare students for coursework in the technical program sequence. General education courses are courses not designated as applied general education coursework by the institution or program.

7A2 A complement of technical courses appropriate to the degree offered that includes body system interactions, health, and surgical conditions across the life span, movement sciences, pain and pain experiences, and psychosocial aspects of health and disability

- Anatomy, physiology, pathology, and cellular/tissue health throughout the life span for the included body systems:
  - Cardiovascular
  - Endocrine and metabolic
  - Gastrointestinal
  - Genital and reproductive
  - Hematologic
  - Hepatic and biliary
  - Immune
  - Integumentary
  - Lymphatic
  - Musculoskeletal
  - Neurological
  - Pulmonary
  - Renal and urologic systems
- Body System Interactions
- Health and surgical conditions seen in physical therapy
- Exercise science
- Biomechanics
- Kinesiology

- Neuroscience
- Motor control and motor learning
- Diagnostic imaging
- Pain and pain experiences
- Psychosocial aspects of health and disability
- Pharmacology

7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.

7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.

7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:

- Legislative and political advocacy.
- Community collaboration.
- Health care disparity.

7B3 Practice within the legal framework of one’s jurisdiction(s) and relevant federal and state requirements

### General Education Courses

Course Number	Course Name	Semester Credit Hours	SCH Breakdown		Total Contact Hours	Contact Hour Breakdown		Certification Information
			Lecture	Lab		Lecture	Lab	Certification Name
	Humanities/Fine Arts <sup>1</sup>	3						
	College Algebra*	3-4						
	Written Communication <sup>2</sup>	3						
	Social/Behavioral Sciences <sup>1</sup>	3						
BIO 2514	Anatomy and Physiology I <sup>1,2</sup> Lecture and Laboratory	4						
BIO 2524	Anatomy and Physiology II <sup>1,2</sup> Lecture and Laboratory	4						
	Academic electives	3						
	<b>TOTAL</b>	<b>23-24</b>						

\*Or Higher Math as approved by individual administration

<sup>1</sup> \_\_\_\_\_

Southern Association of Colleges and Schools Commission on Colleges. (2018). *The principles of accreditation: Foundations for quality enhancement*. Retrieved from <https://sacscoc.org/app/uploads/2019/08/2018PrinciplesOfAccreditation.pdf>

<sup>2</sup>

Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs (2024)

# Physical Therapist Assistant Courses

**Course Number and Name:** PTA 1111 Health Care Experience I

**Description:** This course is designed to provide the student with observation/overview of physical therapy activities. The student has the opportunity to gain knowledge of the health-care delivery system and physical therapy's place within that system.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
1	0	3	45
1	1	0	15

**Prerequisite:** Instructor approved

**Student Learning Outcomes:**

1. Describe the roles of various personnel within the physical therapy department:
  - a. Physical Therapist
  - b. Physical Therapist Assistant
  - c. Physical Therapy Aide
2. Describe the health-care delivery system
  - a. Identify the role of other members of the health-care team
  - b. Identify how medical treatments are documented

## **CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.

7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.

7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:

- a. Legislative and political advocacy.
- b. Community collaboration.
- c. Health care disparity.

7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements

7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.

7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:

- Evidence-informed practice.\*
- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
- b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.

**Course Number and Name:** PTA 1123 Fundamental Concepts of Physical Therapy

**Description:** This course is an introduction to the field of physical therapy including role orientation, professional organizational structure, legal and ethical implications, and legislation. Historical patterns in the development of the profession will be explored and medical terminology introduced.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
3	3	0	45

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate knowledge of medical terminology.
  - a. Pronounce medical terms properly
  - b. Spell medical terms as root words, prefixes, and suffixes
  - c. Separate medical terms as root words, prefixes, and suffixes
  - d. Utilize common medical abbreviations and symbols
  - e. Utilize correct medical terms in writing medical records
2. Demonstrate knowledge of desired psychosocial support for patients and their families
  - a. Interpret their reaction to illness and disability
  - b. Explore possible reasons for patients' and families' reactions to illness or disability
3. Demonstrate knowledge and identify the following history of physical therapy:
  - a. Individuals
  - b. Events and dates
4. Demonstrate understanding of legal and ethical responsibilities for health-care providers including:
  - a. Standards of physical therapy
  - b. Standards of ethical conduct for the PTA and Guide for conduct of the Affiliate Member
  - c. Applicable state and federal laws, including HIPAA
5. Demonstrate knowledge of the health-care delivery system including:
  - a. Social, economic, and demographic influences on health-care delivery
  - b. Legislative influences on health-care delivery
6. Demonstrate knowledge of reimbursement mechanisms
  - a. Discuss basic factors involved in health-care cost
  - b. Explain selected terms related to reimbursement cost
  - c. Discuss importance of fiscal considerations for physical therapy providers and consumers
7. Demonstrate knowledge of medical records
  - a. Identify various components of medical records
  - b. Discuss the importance of accurate medical records
  - c. Demonstrate appreciation for the ethical and legal implications of medical records
8. Analyze current issues related to physical therapy
  - a. Explore media references related to current problems and issues in health care
  - b. Identify differing points of view related to current issues
9. Demonstrate knowledge of history, structure, and function
  - a. Identify the organizational structure of the APTA
  - b. Define the purpose and functions of the APTA
10. Summarize the roles of members of the health-care team including physical therapists, physical therapist assistants, and aides
  - a. Demonstrate understanding of levels of authority and responsibility
  - b. Correlate the importance of effective representation of a PTA's roles within its scope of practice)
11. Demonstrate an awareness of the importance of appropriate interpersonal interaction in providing health care
  - a. Give examples of possible relationships that exist in various settings
  - b. Discuss the influence of cultural diversity in the workplace

### **CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist
  - f. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system.
  - c. Neurological system.
  - d. Musculoskeletal system.
  - e. Integumentary and lymphatic systems.
  - f. Growth and human development.
  - g. Pain and pain experiences.
  - h. Psychosocial aspects.
  - i. Mental health aspects

- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education
- 7D8 Participate in patient-centered interprofessional collaborative care
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

**Course Number and Name:** PTA 1132 PTA Practicum I

**Description:** This course is designed to provide the student with extended observational time in a physical therapy clinic and/or supervised participation in selected physical therapy activities to allow students to apply skills that prepare the student for entry into the physical therapy profession.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
2	0	6	90

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Participate in selected patient focused activities.
  - a. Report examples of activities performed.
  - b. Differentiate between the interventions performed by a PTA and the tasks performed by a PT Aide.
2. Identify the organizational structure of the PT department.
  - a. Identify specific policies and procedures from the policy and procedure manual.
  - b. Discuss the line of authority in the PT setting.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.

7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.

7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:

- a. Legislative and political advocacy.
- b. Community collaboration.
- c. Health care disparity.

7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements

7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.

7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:

- Evidence-informed practice.\*
- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
- b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.

7D2 Select and perform components of data collection using appropriate tests and measures to measure and

monitor patient responses before, during, and following physical therapy interventions in the following:

- a. Cardiovascular system.
- b. Pulmonary system.
- c. Neurological system.
- d. Musculoskeletal system.
- e. Integumentary and lymphatic systems.
- f. Growth and human development.
- g. Pain and pain experiences.
- h. Psychosocial aspects.
- i. Mental health aspects

7D5 Respond effectively to environmental emergencies that may occur in the clinical setting

**Course Number and Name:** PTA 1143 PTA Practicum II

**Description:** This course is designed to provide the student with extended observational time in a physical therapy clinic and/or supervised participation in selected physical therapy activities to allow students to apply skills that prepare the student for entry into the physical therapy profession.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	0	9	135

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Describe rehabilitative services other than PT
  - a. Identify other rehabilitative services
  - b. Compare the interventions provided by PT versus the treatment provided by other rehabilitative services.
2. Participate in basic research on a specified topic
  - a. Follow APTA and other appropriate ethical guidelines for obtaining patient information
  - b. Demonstrate the ability to compile information gathered during the research process

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.

7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.

7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:

- a. Legislative and political advocacy.
- b. Community collaboration.
- c. Health care disparity.

7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements

7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.

7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:

- Evidence-informed practice.\*
- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
- b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
- c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.

- g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system.
  - c. Neurological system.
  - d. Musculoskeletal system.
  - e. Integumentary and lymphatic systems.
  - f. Growth and human development.
  - g. Pain and pain experiences.
  - h. Psychosocial aspects.
  - i. Mental health aspects
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education.
- 7D8 Participate in patient-centered interprofessional collaborative care
- 7D9 Participate in performance improvement/quality assurance activities.
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate.
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

**Course Number and Name:** PTA 1151 Heath Care Experience II

**Description:** This course is designed to provide the student with observation/overview with limited participation in physical therapy activities. The student has the opportunity to gain additional knowledge of the health-care delivery system and physical therapy's place within that system.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
1	0	3	45
1	1	0	15

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Differentiate among the following roles of various personnel within the physical therapy department:
  - a. Physical Therapist
  - b. Physical Therapist Assistant
  - c. Physical Therapy Aide
2. Describe services provided in the physical therapy setting
  - a. Identify common physical therapy diagnosis
  - b. Identify interventions provided.

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  - 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
    - a. Legislative and political advocacy.
    - b. Community collaboration.
    - c. Health care disparity.
  - 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
    - Evidence-informed practice.\*
    - Interpretation of statistical evidence.
    - Clinical reasoning and decision making.
  - 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
  - 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
    - Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.

- c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system.
  - c. Neurological system.
  - d. Musculoskeletal system.
  - e. Integumentary and lymphatic systems.
  - f. Growth and human development.
  - g. Pain and pain experiences.
  - h. Psychosocial aspects.
  - i. Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary conditions.
  - c. Neurological conditions.
  - d. Musculoskeletal conditions.
  - e. Integumentary and lymphatic conditions.
  - f. Metabolic conditions.
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education.
- 7D8 Participate in patient-centered interprofessional collaborative care
- 7D9 Participate in performance improvement/quality assurance activities.
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate.
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

**Course Number and Name:** PTA 1213 Fundamental Skills for Physical Therapist Assistants

**Description:** This course provides knowledge of topics utilized in the practice of physical therapy. Topics covered will include positioning, draping, transfers, body mechanics, gait training, and standard precautions. Vital signs, first aid, and emergency techniques will also be covered.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	60

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Determine proper body mechanics
  - a. Demonstrate proper procedure for lifting objects from various heights
  - b. Discuss musculoskeletal and biomechanical principles of body mechanics
2. Demonstrate and perform proper transfer techniques when handling patients in the following scenarios:
  - a. Dependent transfer from bed to bed
  - b. Sliding board transfer
  - c. Hoyer lift
  - d. Standing pivot transfer
3. Instruct patient in correct utilizations of assistive devices for gait
  - a. Demonstrate method for adjusting assistive devices for proper fit
  - b. Discuss indications for assistive devices
  - c. Demonstrate procedure for coming to stand with assistive devices
  - d. Discuss determinations for gait patterns
  - e. Demonstrate proper procedure for ambulation:
    - (1) in the parallel bars
    - (2) with a walker
    - (3) with a cane
    - (4) with crutches
  - f. Demonstrate procedure for:
    - (1) stairs with assistive devices
    - (2) door negotiation with assistive devices
    - (3) instruction in falling techniques
4. Utilize appropriate safety measures for patient treatment
  - a. Demonstrate control of the environment to assure patient safety
  - b. Incorporate appropriate safety guidelines in the performance of patient interventions
5. Demonstrate selected bed mobility activities including:
  - a. Rolling from supine to sidelying.
  - b. Rolling supine to prone
  - c. Coming to sit
6. Demonstrate specific positioning techniques
  - a. Demonstrate proper procedure for supine and prone positioning
  - b. Discuss accessories and equipment necessary for proper positioning
7. Demonstrate proper use of wheelchair including:
  - a. Attaching and removing the accessories
  - b. Propulsion
  - c. Curb and doorway negotiation
8. Summarize OSHA standards for standard precautions
  - a. Discuss the meaning of OSHA standards

- b. Discuss the epidemiology of bloodborne diseases
  - c. Discuss the signs and symptoms of bloodborne pathogens
  - d. Discuss the transmission of bloodborne pathogens
  - e. Discuss the tasks that will put the health care professional at risk
  - f. Discuss various methods of reducing risk and exposure to bloodborne pathogens and their limitations
  - g. Discuss the types, use, location, removal, handling, and disposal of personal protective equipment
  - h. Discuss considerations for selection of personal protective equipment
  - i. Discuss the efficacy, safety, method of administration, and benefits of the Hepatitis B vaccine
  - j. Discuss and demonstrate an understanding the impact of a pandemic events on public health, patient care and appropriate use of PPE to avoid transmission of any infectious disease related to pandemic events
9. Demonstrate knowledge of patient assessment skills:
- a. Patient environment for architectural barriers and modification needs
  - b. Patient's functional activities status
  - c. Functional status of patient's gait
  - d. Vital signs
  - e. Sensation
  - f. Proper documentation
10. Utilize appropriate first aid techniques for selected emergency situations
- a. Assess patient status to determine appropriate course of action in a given situation
  - b. Identify responsibilities in the determined course of action
11. Demonstrate knowledge of medical terminology.
- a. Pronounce medical terms properly
  - b. Spell medical terms as root words, prefixes, and suffixes
  - c. Separate medical terms as root words, prefixes, and suffixes
  - d. Utilize common medical abbreviations and symbols
  - e. Utilize correct medical terms in writing medical records
12. Determine accurate range of motion measurements using goniometry
- a. Identify the anatomical position, planes, and axes as points of reference
  - b. Palpate bony and soft tissue anatomical landmarks at each joint of the extremities and in the spine, trunk, and head
  - c. Perform accurate goniometric measurements at each joint of the extremities, spine, and trunk.
  - d. Document goniometry findings using correct terminology and format
13. Perform specific therapeutic exercise treatments that implement:
- a. PROM, AAROM, AROM, and ARROM exercises
  - b. Isometric, isotonic, and isokinetic exercises
  - c. Wellness and prevention exercises
  - d. Stretching exercises.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

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- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.

- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system.
  - d. Musculoskeletal system.
  - e. Integumentary and lymphatic systems.
  - g. Pain and pain experiences.
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary conditions.
  - d. Musculoskeletal conditions.
  - e. Integumentary and lymphatic conditions.
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education.
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.

**Course Number and Name:** PTA 1224 Biophysical Agents

**Description:** This course is an introduction to the theory and practical application of hydrotherapy, thermotherapy, cryotherapy, light therapy, and mechanotherapy. Emphasis will be placed on the technique of application, indications, and contraindications of modalities.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
4	3	2	75

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate knowledge of principles and application/utilization of selected biophysical agents of the following:
  - a. hot packs
  - b. paraffin
  - c. diathermy
  - d. cryotherapy
  - e. ultraviolet.
  - f. massage
  - g. ultrasound
  - h. hydrotherapy and wound care
  - i. mechanical traction
  - j. compression devices and garments
  - k. light
  - l. manual therapy (myofascial release, IASTM, manual traction, Hivamat
  - m. blood flow restriction (BFR)
2. Perform selected assessment and measurement techniques
  - a. Assess patient's pain level
  - b. Assess segmental length, girth, and volume for patient
  - c. Demonstrate proper procedure for skin and sensation assessment
  - d. Demonstrate knowledge of views of pain and pain management

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- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
  - Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a

- manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system.
  - d. Musculoskeletal system.
  - e. Integumentary and lymphatic systems.
  - g. Pain and pain experiences.
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary conditions.
  - d. Musculoskeletal conditions.
  - e. Integumentary and lymphatic conditions.
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education.
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health\*

**Course Number and Name:** PTA 1314 Kinesiology

**Description:** This course studies individual muscles and muscle function, biomechanical principles of joint motion, gait analysis, goniometry, and postural assessment.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
4	3	2	75

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Identify biomechanical principles relating to the human body
  - a. Describe the forces acting on bodies in terms of equilibrium and movement
  - b. Describe the principles of joint motion
2. Identify principles and characteristics of muscle
  - a. Define selected terms related to muscle contraction
  - b. Classify muscles according to their interaction in joint movement
3. Demonstrate knowledge of selected joints, and perform related joint activities
  - a. Identify and palpate bony prominence, and trace the muscle and/or tendon that act upon the joint
  - b. Identify the forces of motion that act upon joints
4. Demonstrate knowledge of normal components of gait
  - a. Explain the phases of locomotion.
  - b. Differentiate among possible causes of gait deviation
5. Differentiate between normal posture and postural deviations
  - a. Demonstrate components of normal posture.
  - b. Identify postural deviations and causes
6. Determine accurate range of motion measurements using goniometry
  - a. Identify the anatomical position, planes, and axes as points of reference
  - b. Palpate bony and soft tissue anatomical landmarks at each joint of the extremities and in the spine, trunk, and head
  - c. Perform accurate goniometric measurements at each joint of the extremities, spine, and trunk.
  - d. Document goniometry findings using correct terminology and format
7. Assess accurately the strength of various muscle groups
  - a. Describe the basic mechanics of a muscle contraction
  - b. Describe the process of grading the strength of a muscle contraction
  - c. Identify the origin, insertion, action, and nerve supply of the muscles to be tested
  - d. Perform accurate manual muscle strength assessments for the muscles associated with each joint of the extremities, trunk, and head
  - e. Document muscle strength assessments using correct terminology and format.

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7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:

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- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:

- a. Cardiovascular system.
- b. Pulmonary system
- c. Neurological system
- d. Musculoskeletal system
- e. Integumentary and lymphatic systems
- f. Growth and human development
- g. Pain and pain experiences
- h. Psychosocial aspects
- i. Mental health aspects

7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:

- a. Cardiovascular conditions
- b. Pulmonary condition
- c. Neurological conditions
- d. Musculoskeletal conditions
- e. Integumentary and lymphatic conditions
- f. Metabolic conditions
- g. Growth and human development
- h. Pain and pain experiences

7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.

7D7 Participate in efforts to ensure patient and health care provider safety.

**Course Number and Name:** PTA 1324 Therapeutic Exercise and Rehabilitation I

**Description:** This course provides an overview of the biochemical and neurophysiological basis and application of various therapeutic exercises. The basics of therapeutic exercises are correlated with specific conditions. This course focuses on rehabilitation techniques in the treatment of a variety of selected conditions. Specialized exercise procedures are emphasized.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
4	3	2	75

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Perform specific therapeutic exercise treatments that implement:
  - a. PROM, AAROM, AROM, and ARROM exercises
  - b. Isometric, isotonic, and isokinetic exercises
  - c. Wellness and prevention exercises
  - d. Stretching exercises.
2. Explain concepts of therapeutic exercise
  - a. Describe the difference among isotonic, isometric, and isokinetic exercise.
  - b. Describe the overload principle
  - c. Explain how resistance, repetition, set, speed, and arc of motion variables are manipulated to achieve various goals of therapeutic exercise
  - d. Describe the difference between aerobic and anaerobic exercise
  - e. Define strength, endurance, power, and flexibility
  - f. Explain how therapeutic exercise programs are formulated to increase strength, endurance, power, and flexibility
  - g. Define components of peripheral joint mobilization techniques
3. Assess accurately the strength of various muscle groups
  - a. Describe the basic mechanics of a muscle contraction
  - b. Describe the process of grading the strength of a muscle contraction
  - c. Identify the origin, insertion, action, and nerve supply of the muscles to be tested
  - d. Perform accurate manual muscle strength assessments for the muscles associated with each joint of the extremities, trunk, and head
  - e. Document muscle strength assessments using correct terminology and format
4. Implement exercise programs for specific musculoskeletal disorders designed to treat the following:
  - a. Soft tissue, bony tissue, and postsurgical problems
  - b. Spine, specifically the neck and lower back.
  - c. Obstetric patients
  - d. Patients with coronary disease
  - e. Women's and men's health
5. Perform additional assessment and measurement techniques.
  - a. Assess a patient's flexibility and muscle length
  - b. Correlate joint flexibility, goniometry, strength, and muscle length findings to understand the rationale for specific therapeutic exercise programs.
6. Describe the etiology, symptoms, and clinical course of common musculoskeletal conditions.
7. Demonstrate knowledge of principles, application, and proper procedure of the following selected biophysical agents:
  - a. Mechanical traction
  - b. Utilization of compression devices and garments
  - c. Manual therapy (myofascial release, IASTM, manual traction, Hivamat)
  - d. Application/utilization blood flow restriction (BFR)

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- b. Community collaboration.
- c. Health care disparity.

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- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
- b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
- c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
- d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
- e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
- f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
- g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)

7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:

- a. Cardiovascular system.
- b. Pulmonary system
- c. Neurological system
- d. Musculoskeletal system
- e. Integumentary and lymphatic systems
- f. Growth and human development
- g. Pain and pain experiences
- h. Psychosocial aspects
- i. Mental health aspects

- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.

**Course Number and Name:** PTA 1911 Seminar I

**Description:** This course presents the opportunity for group assembly on a regular basis to work toward achievement of course objectives. Leadership skills, an understanding of group dynamics, community service, interaction with other health education students, and the practice of reading and interpreting professional literature are emphasized. A desire to continue development of knowledge and skills is stressed.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
1	1	0	15

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Describe qualities needed for professional development
  - a. List components of group dynamics
  - b. Describe the importance of being a team player
  - c. Identify different types of community service activities
2. Interpret professional journal articles
  - a. Identify varied sources of scientific and research articles
  - b. Examine appropriate articles from scientific and research journals
  - c. Summarize a scientific or research article using a computer

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal

framework of one's jurisdiction, the practice setting, and other regulatory agencies.  
7D5 Respond effectively to environmental emergencies that may occur in the clinical setting  
7D8 Participate in patient-centered interprofessional collaborative care.

**Course Number and Name:** PTA 1921 Seminar II

**Description:** This course provides enhanced opportunities for group assembly on a regular basis to work to achieve course objective. Demonstration of leadership skills, an understanding of group dynamics, community service, interaction with other health education students, and practice of reading and interpreting professional literature are further developed. A desire to continue development of knowledge and skills is emphasized.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
1	1	0	15

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Exhibit qualities needed for professional development
  - a. Demonstrate components of group dynamics
  - b. Demonstrate the importance of being a team player
  - c. Participate in different types of community service activities
2. Analyze professional journal articles
  - a. Locate appropriate scientific and research articles
  - b. Analyze appropriate articles from scientific and research journals on assigned topics
  - c. Compare two or more scientific or research articles on the same topic using a computer

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care

**Course Number and Name:** PTA 2112 Clinical Skills

**Description:** This course emphasizes practical application of skills learned in prior class instruction together with skills being learned in therapeutic exercise and rehabilitation. In this course, synthesis of all therapeutic skills will be emphasized as well as sharpening critical thinking skills. Students will be given physical therapy evaluations and plans of care to implement as a treatment plan and will be required to suggest modifications in the plan of care

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
2	2	0	30

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Review the evaluation and interpret the plan of care developed by the PT to achieve short and long term goals and intended outcomes
2. Interview the patient and caregivers to obtain current information related to patient's current level of function and general health status
3. Implement the plan of care established by the PT
4. Identify possible contraindications to implementing treatments within the physical therapist plan of care
5. Identify need to progress patient within the PT plan of care
6. Assess need to communicate with supervising physical therapist and/or physician to provide patient- centered, interprofessional collaborative care
7. Demonstrate the ability to set patients up for the appropriate treatment and follow through in a logical sequence
8. Implement appropriate documentation of treatments including patient response, objective data, subjective data, assessment and plan, adhering to SOAP note format within the PT plan of care
9. Perform appropriate treatments using current knowledge and clinical judgement based on the Physical Therapist's POC using standard protocol and safe practice
10. Establish appropriate home programs including written and verbal instructions, as well as needed demonstrations ensuring patient understanding via return demonstrations
11. Perform appropriate assessments as needed
12. Interact professionally with a culturally diverse population with respect for differences, values, preferences, and expressed needs in work-related activities
13. Provide patient, family, and others with education as needed
14. Recommend contributions to the discontinuation of episode of care to the supervising physical therapist
15. Identify common emergency situations and implement appropriate protocols
16. Develop time management skills in order to treat patients, write notes, set up and clean treatment areas, communicate with and supervise other staff and complete daily records and charges
17. Practice under state and federal laws
18. Practice ethically using the "Standards of Practice for Physical Therapy", the "Standards for Ethical Conduct for the PTA", and the "Guide for Conduct of the Affiliate Member"
19. Display professional clinic demeanor in dress and communication (verbal and nonverbal).
20. Interact effectively in a care plan meeting
21. Recommend appropriate changes in the plan of care to the supervising physical therapist via collaboration in order to improve patient outcomes
22. Recognize signs of abuse in vulnerable populations
23. Create a plan of action to an ethical situation using logical, moral reasoning that coincides with core professional ethics and values. Select evidence based resources to reinforce clinical decisions for progressing the patient within the plan of care established by the PT

### **CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
  - 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
    - a. Legislative and political advocacy.
    - b. Community collaboration.
    - c. Health care disparity.
  - 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
  - h. Psychosocial aspects
  - i. Mental health aspects

- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health.\*
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate

**Course Number and Name:** PTA 2234 Electrotherapy

**Description:** This course emphasizes theory and practical application of electrotherapy and other therapeutic procedures. Indications and contraindications of biophysical agents are also discussed.

Hour Breakdown:	Semester Credit Hours	Lecture	Lab	Contact Hours
	4	3	2	75

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate knowledge of principles and application of electrotherapeutic biophysical agents including procedure for utilization of:
  - a. Electrical stimulation
  - b. Biofeedback
  - c. Ultrasound
  - d. Manual therapy (Hivamat)
2. Demonstrate knowledge of necessary assessments and desired outcomes of therapeutic interventions designed to:
  - a. Differentiate between pain control theories
  - b. Reduce pain
  - c. Reduce muscle guarding, splinting, and spasms
  - d. Reduce edema
  - e. Strengthening and muscle reeducation
  - f. Affect muscle tone

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
  - a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
  - Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
  - Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
  - h. Psychosocial aspects
  - i. Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.

**Course Number and Name:** PTA 2334 Therapeutic Exercise and Rehabilitation II

**Description:** This course presents theory, principles and techniques of therapeutic exercise and rehabilitation for primarily neurological conditions. Methods of functional, motor, and sensory assessment and intervention techniques are included. Principles of prosthetics and orthotics functional training and other techniques are covered.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Lab	Contact Hours
4	3	2	75

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Identify the components and functions of the central and peripheral nervous systems
  - a. Identify the structure and function of the various components of the following:
    - (1) CNS
    - (2) PNS
2. Implement the use of the developmental sequence in the treatment of neurological disorders
  - a. Describe the developmental sequence.
  - b. Describe the stages of mobility, stability, controlled mobility, and skill in the development of motor control.
  - c. Demonstrate the use of the developmental sequence in the treatment of neurologically involved in the following:
    - (1) pediatric patients
    - (2) adult patients
3. Implement specific techniques in the treatment of neurological disorders.
  - a. Demonstrate PNF (proprioceptive neuromuscular facilitation) techniques in the treatment of neurologically involved patients
  - b. Demonstrate NDT (neurological developmental techniques) in the treatment of patients
4. Describe the etiology, symptoms, and clinical course of specific neurological disorders
5. Perform selected patient assessment and treatment activities
  - a. Describe normal pathological reflexes and tone
  - b. Perform therapeutic exercise treatments for each of the specific neurological disorders in the adult and pediatric population
  - c. Demonstrate knowledge in management and teaching of the permanently disabled person including transfers, positioning, gait, mobility aids and activities of daily living
  - d. Perform balance assessment and training
  - e. Perform righting and equilibrium reaction assessment
  - f. Perform sensory assessment
6. Perform patient assessment, and demonstrate therapeutic management of patients utilizing prosthetic or orthotic devices
  - a. Identify orthotic devices commonly used in the treatment of patients
  - b. Identify prosthetic devices commonly used in the treatment of patients with amputations
  - c. Perform appropriate assessments for patients who utilize prosthetic or orthotic device
  - d. Demonstrate appropriate therapeutic intervention for patients who utilize prosthetic or orthotic devices

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.

7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.

- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- Legislative and political advocacy.
  - Community collaboration.
  - Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice. \*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- Cardiovascular system.
  - Pulmonary system
  - Neurological system
  - Musculoskeletal system
  - Integumentary and lymphatic systems
  - Growth and human development
  - Pain and pain experiences
  - Psychosocial aspects
  - Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- Cardiovascular conditions
  - Pulmonary condition
  - Neurological conditions
  - Musculoskeletal conditions

- e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety

**Course Number and Name:** PTA 2413 Clinical Education I

**Description:** This course provides an opportunity for either a full-time or part-time integrated learning experience which includes supervised clinical experiences in demonstrating the attributes and applying the skills which prepare students for entry into the Physical Therapy profession.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	0	9	135

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Practice selected skills in a clinical setting
  - a. Practice the knowledge of the following:
    - (1) The rationale and effectiveness of selected physical therapy interventions
    - (2) The Standards of Practice for Physical Therapy, the Standards for Ethical Conduct for the Physical Therapist Assistant, and the Guide for Conduct of the Affiliate Member
    - (3) State and federal laws
    - (4) Ethical principles
    - (5) The scope of their abilities in the delivery of care
  - b. Implement components of a comprehensive treatment plan developed by a Physical Therapist that may include, but is not limited to, use or application of the following:
    - (1) Gait training with assistive devices
    - (2) Transfer training
    - (3) Standard precautions
    - (4) Vital signs
2. Begin to appropriately communicate the patient's status on a timely basis with the supervising Physical Therapist
  - a. Practice verbal and nonverbal communication with the patient, the Physical Therapist, and physical therapist assistants
  - b. Begin documentation of data collection and intervention
  - c. Practice sensitivity to individual and cultural differences in limited aspects of physical therapy services

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Musculoskeletal system
  - d. Integumentary and lymphatic systems
  - e. Growth and human development
  - f. Pain and pain experiences
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Musculoskeletal conditions
  - d. Integumentary and lymphatic conditions
  - e. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities.
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health.\*

**Course Number and Name:** PTA 2424 Clinical Education II

**Description:** This course provides an opportunity for either a full-time or part-time integrated learning experience which includes supervised clinical experiences in demonstrating the attributes and applying the skills which prepare students for entry into the Physical Therapy profession. This course is a continuation from Clinical Education I.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
4	0	12	180

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate selected skills in a clinical setting
  - a. Knowledge of the following:
    - (1) The rationale and effectiveness of physical therapy treatment procedures
    - (2) The Standards of Practice for Physical Therapy, the Standards for Ethical Conduct for the Physical Therapist Assistant, and the Guide for Conduct of the Affiliate Member
    - (3) State and federal laws
    - (4) Ethical principles
    - (5) The scope of their abilities in the delivery of care
  - b. Recognize the roles and responsibilities of PTAs in a way that reflects an understanding of the following:
    - (1) Authority and levels of responsibility
    - (2) Planning and time management skills
    - (3) Policies and procedures
    - (4) Suspected cases of abuse of vulnerable populations
  - c. Practice appropriate communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Practice verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Practice documentation of data collection and intervention.
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Program**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.

- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities. Community Health

7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.

7D11 Provide physical therapy services that address:

- JEDI, belonging,\* and anti-racism.\*
- Health care disparities\* and social determinants of health.\*

7D12 Participate in organizational planning and operation of the physical therapy service as appropriate

**Course Number and Name:** PTA 2434 Clinical Education III

**Description:** This course provides an opportunity for full-time learning experience which includes supervised clinical experiences in demonstrating the attributes and applying the skills which prepare students for entry into the Physical Therapy profession. This course is a continuation from Clinical Education I and II.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
4	0	12	180

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate skills in a clinical setting Integrate knowledge of the following:
  - a. Knowledge of the following:
    - (1) The rationale and effectiveness of physical therapy treatment procedures
    - (2) The Standards of Practice for Physical Therapy, the Standards for Ethical Conduct for the Physical Therapist Assistant, and the Guide for Conduct of the Affiliate Member
    - (3) State and federal laws
    - (4) Ethical principles
    - (5) The scope of their abilities in the delivery of care
  - b. Recognize the roles and responsibilities of PTAs in a way that reflects an understanding of the following:
    - (1) Authority and levels of responsibility
    - (2) Planning and time management skills
    - (3) Policies and procedures
    - (4) Suspected cases of abuse of vulnerable populations
  - c. Practice appropriate communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Practice verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Practice documentation of data collection and intervention.
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
  - d. Demonstrate appropriate communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Demonstrate verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Synthesize pertinent information needed for documentation of data collection and intervention.
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
    - (4) Begin to participate in teaching other health-care providers, patients, and families.
    - (5) Participate in reporting patient progress in team conferences.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:

- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development

h. Pain and pain experiences

- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education. Health Care Activities
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities. Community Health
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health.\*
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered.

**Course Number and Name:** PTA 2444 Clinical Education IV

**Description:** This course provides an opportunity for full-time learning experience which includes supervised clinical experiences in demonstrating the attributes and applying the skills which prepare students for entry into the Physical Therapy profession. This course is a continuation from Clinical Education I, II, and III.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
4	0	12	180

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate entry-level skills in a clinical setting
  - a. Mastery of the following:
    - (1) The rationale and effectiveness of physical therapy treatment procedures
    - (2) The Standards of Practice for Physical Therapy, the Standards for Ethical Conduct for the Physical Therapist Assistant, and the Guide for Conduct of the Affiliate Member
    - (3) State and federal laws
    - (4) Ethical principles
    - (5) The scope of their abilities in the delivery of care
  - b. Recognize the roles and responsibilities of PTAs in a way that reflects an understanding of the following:
    - (1) Authority and levels of responsibility
    - (2) Planning and time management skills
    - (3) Policies and procedures
    - (4) Suspected cases of abuse of vulnerable populations
  - c. Practice appropriate communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Practice verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Practice documentation of data collection and intervention.
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
  - d. Demonstrate entry-level mastery of communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Demonstrate verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Synthesize pertinent information needed for documentation of data collection and intervention.)
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
    - (4) Teach other health care providers, patients, and families.
    - (5) Participate in reporting patient progress in team conferences.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.

- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
  - h. Psychosocial aspects
  - i. Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences

- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities. Community Health
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health.\*
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

**Course Number and Name:** PTA 2513 Medical Conditions and Related Pathology

**Description:** This course provides a basic knowledge of selected diseases and conditions encountered in physical therapy practice. Emphasis is on etiology, pathology, and clinical picture of diseases studied. Various physical therapy procedures in each disability are discussed.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	3	0	45

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Demonstrate an introductory knowledge of disease processes, traumatic disorders, and medical conditions that affect the following body systems: musculoskeletal, neuromuscular and nervous, cardiopulmonary, vascular, integumentary, gastrointestinal, genital and reproductive, hematologic, hepatic and biliary, renal, neurologic and psychological.
  - a. Explain the etiological factors and prognoses of selected disease processes and conditions
  - b. List the incidence of various diseases and medical conditions
2. Demonstrate knowledge of common surgical procedures
  - a. Discuss indications and contraindications for various surgical procedures
  - b. List postoperative procedures for various surgical procedures including precautions to be followed
3. Explain and differentiate among diagnostic procedures
  - a. Discuss various tests and procedures utilized in differential diagnosis for various conditions
  - b. Differentiate among various diagnostic procedures performed in physical therapy.
4. Discuss treatment procedures for specific conditions
  - a. Utilize an understanding of the incidence, pathology, and systemology of specific conditions discussed
  - b. Correlate possible psychological and psychosocial implications that are associated with various conditions and treatments
5. Summarize OSHA standards for standard precautions
  - a. Discuss and demonstrate an understanding the impact of a pandemic events on public health, patient care and appropriate use of PPE to avoid transmission of any infectious disease related to pandemic events
6. Demonstrate understanding of common pharmacological agents including their purpose and drug group classification, common side effects, common uses and potential for the pharmacological agent's impact on PT interventions.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.

- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
  - f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
  - h. Psychosocial aspects
  - i. Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education.
- 7D7 Participate in efforts to ensure patient and health care provider safety.

**Course Number and Name:** PTA 2523 Physical Therapy Seminar

**Description:** This course represents a synthesis of previous didactic, laboratory, and clinical experiences. Students are directed to explore a topic or area of interest in physical therapy practice. Recognition of the importance of employability skills after graduation is included.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	3	0	45

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Present a topic of interest and/or case study in physical therapy.
  - a. Review current professional literature
  - b. Identify a particular interest in an aspect of physical therapy treatment to be targeted for development
  - c. Utilize clinical experiences, didactic instruction, patient and therapist interviews, and other resources in addition to a review of all pertinent literature to develop a clinical expertise
  - d. Select and research an approved topic relative to physical therapy and prepare an approved method (paper, poster, etc.) to present to a peer audience the body of knowledge gained during the development of the selected topic
  - e. Identify patients from clinical education experiences with an interesting diagnosis and a clinical course that includes physical therapy intervention
2. Complete a mock licensure exam
  - a. Attain a passing score on a mock exam
  - b. Utilize test results to identify areas of knowledge that should be targeted for further study in preparation for licensure exam
3. Demonstrate the skills required for successful employment
  - a. Demonstrate effective planning and time management skills
  - b. Describe the supervisory process and performance evaluations
  - c. Delineate the importance of policies and procedures in the provision of patient care
  - d. Delineate the importance of continuous performance improvement activities

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a

- manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
  - b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
  - c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
  - d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
  - g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)
- 7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:
- a. Cardiovascular system.
  - b. Pulmonary system
  - c. Neurological system
  - d. Musculoskeletal system
  - e. Integumentary and lymphatic systems
  - f. Growth and human development
  - g. Pain and pain experiences
  - h. Psychosocial aspects
  - i. Mental health aspects
- 7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:
- a. Cardiovascular conditions
  - b. Pulmonary condition
  - c. Neurological conditions
  - d. Musculoskeletal conditions
  - e. Integumentary and lymphatic conditions
  - f. Metabolic conditions
  - g. Growth and human development
  - h. Pain and pain experiences
- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities. Community Health
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:

- JEDI, belonging,\* and anti-racism.\*
- Health care disparities\* and social determinants of health.\*

7D12 Participate in organizational planning and operation of the physical therapy service as appropriate

7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

**Course Number and Name:** PTA 2911 Seminar III

**Description:** This course further develops the principles and characteristics presented in PTA 1911 and PTA 1921.

Hour Breakdown:	Semester Credit Hours	Lecture	Clinical	Contact Hours
	1	1	0	15

**Prerequisite:** Instructor Approved

**Student Learning Outcomes:**

1. Begin to prepare for the licensure exam
  - a. List test-taking strategies for multiple choice questions
  - b. Identify components of the licensure exam
  - c. Write practice licensure exam questions
2. Complete a research paper on an assigned topic
  - a. Perform research on a topic to locate appropriate sources
  - b. Compile and assess information gathered
  - c. Prepare a college-level paper with correct documentation of sources

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 7B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7B1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.
  - b. Community collaboration.
  - c. Health care disparity.
- 7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements
- 7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.
- 7C1 Provide learning experiences in contemporary physical therapy knowledge and practice including:
- Evidence-informed practice.\*
  - Interpretation of statistical evidence.
  - Clinical reasoning and decision making.
- 7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.
- 7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.
- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.
- 7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:
- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.

**Course Number and Name:** PTA 2127 Terminal Clinical Education

**Description:** This course provides an opportunity for terminal, full-time learning experience which includes supervised clinical experiences in demonstrating the attributes and applying the skills which prepare students for entry into the Physical Therapy profession.

**Hour Breakdown:**

Semester Credit Hours	Lecture	Clinical	Contact Hours
7	0	21	315

**Prerequisite:** Instructor Approved; Satisfactory completion of Clinical Education I and II and prior didactic coursework.

**Student Learning Outcomes:**

1. Demonstrate entry-level skills in a clinical setting.
  - a. Mastery of the following:
    - (1) The rationale and effectiveness of physical therapy treatment procedures
    - (2) The Standards of Practice for Physical Therapy, the Standards for Ethical Conduct for the Physical Therapist Assistant, and the Guide for Conduct of the Affiliate Member
    - (3) State and federal laws
    - (4) Ethical principles
    - (5) The scope of their abilities in the delivery of care
  - b. Recognize the roles and responsibilities of PTAs in a way that reflects an understanding of the following:
    - (1) Authority and levels of responsibility
    - (2) Planning and time management skills
    - (3) Policies and procedures
    - (4) Suspected cases of abuse of vulnerable populations
  - c. Practice appropriate communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Practice verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Practice documentation of data collection and intervention.
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
  - d. Demonstrate entry-level mastery of communication of the patient's status on a timely basis with the supervising Physical Therapist.
    - (1) Demonstrate verbal and nonverbal communication with the patient, the Physical Therapist, and health-care delivery personnel.
    - (2) Synthesize pertinent information needed for documentation of data collection and intervention.)
    - (3) Demonstrate sensitivity to individual and cultural differences in limited aspects of physical therapy services.
    - (4) Teach other health care providers, patients, and families.
    - (5) Participate in reporting patient progress in team conferences.

**CAPTE Standards and Required Elements for Accreditation of Physical Therapist Assistant Education Programs**

- 8B The physical therapist assistant technical curriculum includes content and learning experiences in ethics and values, professional development and responsibilities, service, leadership, lifelong learning, along with teaching and learning within an ever-changing health care environment.
- 7C1 Practice in a manner consistent with the Standards of Ethical Conduct (APTA) and APTA Core Values for the Physical Therapist and Physical Therapist Assistant.
- 7B2 Provide learning experiences to develop service and leadership skills and abilities that address the following:
- a. Legislative and political advocacy.

- b. Community collaboration.
- c. Health care disparity.

7B3 Practice within the legal framework of one's jurisdiction(s) and relevant federal and state requirements

7C The physical therapist assistant technical curriculum provides learning experiences in lifelong learning, education, and health care disparities\* in the ever-changing health care environment.

7D1 Provide learning experiences in contemporary physical therapy knowledge and practice including:

- Evidence-informed practice.\*
- Interpretation of statistical evidence.
- Clinical reasoning and decision making.

7C2 Provide teaching and learning experiences to improve skills and abilities to educate and communicate in a manner that meets the needs of the patient, caregivers, and other health care professionals.

7C3 Provide learning experiences that advance the students understanding of health care disparities\* in relation to physical therapy.

- Recognize and adjust personal behavior to optimize inclusive and equitable patient care and patient care environments.

7D1 Demonstrate appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist:

- a. Obtain and review current information from physical therapy documentation, health records, patients and clients, caregivers, and family members related to general health status, consults, prior and current level of function before carrying out the physical therapy plan of care.
- b. Recognize situations that require further clarification, supervision, or action by the supervising physical therapist.
- c. Determine when an intervention is inappropriate based on the review of current information and patient presentation.
- d. Select interventions as determined by the supervising physical therapist, that are based on clinical data, to achieve goals and intended outcomes.
- e. Modify, adjust, and discontinue interventions based on the patient response and clinical data in collaboration with the supervising physical therapist.
- f. Contribute to the discontinuation of the episode of care and follow-up planning as directed by the supervising physical therapist.
- g. Describe a patient's or client's impairments to body functions and structures, activity limitations, and participation restrictions according to the International Classification of Functioning, Disability and Health (ICF)

7D2 Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and following physical therapy interventions in the following:

- a. Cardiovascular system.
- b. Pulmonary system
- c. Neurological system
- d. Musculoskeletal system
- e. Integumentary and lymphatic systems
- f. Growth and human development
- g. Pain and pain experiences
- h. Psychosocial aspects
- i. Mental health aspects

7D3 Select and perform physical therapy interventions for each of the following as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes:

- a. Cardiovascular conditions
- b. Pulmonary condition
- c. Neurological conditions
- d. Musculoskeletal conditions
- e. Integumentary and lymphatic conditions
- f. Metabolic conditions
- g. Growth and human development
- h. Pain and pain experiences

- 7D4 Complete documentation that follows guidelines and documentation formats required by the legal framework of one's jurisdiction, the practice setting, and other regulatory agencies.
- 7D5 Respond effectively to environmental emergencies that may occur in the clinical setting (does it belong)
- 7D6 Educate others, using teaching methods that are commensurate with the needs of the learner, including participation in the clinical education of students. Incorporate cultural humility\* and social determinants of health\* when providing patient and/or caregiver education
- 7D7 Participate in efforts to ensure patient and health care provider safety.
- 7D8 Participate in patient-centered interprofessional collaborative care.
- 7D9 Participate in performance improvement/quality assurance activities. Community Health
- 7D10 Provide services and/or educational resources informed by cultural humility that address primary,\* secondary,\* and tertiary\* prevention, health promotion, and wellness to individuals, groups, and communities.
- 7D11 Provide physical therapy services that address:
- JEDI, belonging,\* and anti-racism.\*
  - Health care disparities\* and social determinants of health.\*
- 7D12 Participate in organizational planning and operation of the physical therapy service as appropriate
- 7D13 Participate in the financial management of the practice setting, including accurate billing and payment for services rendered

# Appendix A: Recommended Tools and Equipment

## CAPITALIZED ITEMS

1. Exercise mat, floor-type (1 per 2 students)
2. Freezer, cold pack (1 per program)
3. Hydrocollator (2 per program)
4. Ice machine (1 per program)
5. Parallel bars (1 per program)
6. Ramp (1 per program)
7. Stairs (1 per program)
8. Stimulator, electrical, combination electrotherapy unit (2 per program)
9. Stimulator, electrical, microcurrent (1 per program)
10. Stimulator, electrical, ultrasound combo unit (1 per 4 students)
11. Stimulator, electrical, high voltage pulse current unit (2 per program)
12. Stimulator, electrical, Russian (1 per program)
13. Stimulator, electrical, portable FES (1 per 4 students)
14. Stimulator, electrical, DC current (1 per 12 students)
15. Stimulator, electrical, interferential (2 per program)
16. Stretcher, rolling gurney with mattress (1 per program)
17. Table, mat (1 per 5 students)
18. Table, tilt, electric (1 per program)
19. Traction, device (2 per program)
20. Traction table with split section (1 per program)
21. Bed traction (1 per program)
22. Ultrasound unit with cart (1 per 4 students)
23. UV/Infrared light (1 per program)
24. Fluidotherapy (1 per program)
25. Shortwave diathermy (1 per program)
26. Pulsavac (1 per program)
27. Wheelchair, hemi-drive (1 per program)
28. Wheelchair, standard unit (1 per 4 students)
29. Wheelchair, reclining (1 per program)
30. Whirlpool, extremity (1 per program)
31. Whirlpool, mobile with bench seat (1 per program)
32. High-Low table (1 per program)
33. Sequential circulator (1 per program)
34. Stairmaster (1 per program)
35. Treadmill (1 per program)
36. Stationary bike (1 per program)
37. Computer (2 per program)
38. Printer, laser (1 per 2 computers)
39. Skeleton, articulated model (1 per program)
40. Skeleton, disarticulated model (1 per program)
41. TV, color 25 in. with remote (1 per program)
42. VCR (1 per program)
43. DVD player (1 per program)
44. Washer (1 per program)
45. Dryer (1 per program)
46. Refrigerator (1 per program)
47. High-Low mat (1 per program)
48. Hivamat (1 per program)
49. Game Ready

50. Amputee Models (UE and LE)

51. Wound care model

**NON-CAPITALIZED ITEMS**

1. Ball, large exercise (1 per program)
2. BAPS board (1 per program)
3. Bed, hospital, electric (1 per program)
4. Biofeedback, EMG (1 per 4 students)
5. Biofeedback, temperature, pulse, muscle (1 per program)
6. Chair, traction (1 per program)
7. Cutaneous sensory kit (1 per 4 students)
8. Dynamometer, hand (1 per program)
9. Exercise board with legs (1 per program)
10. Goniometer set (1 per 2 students)
11. Hand evaluation kit (1 per program)
12. Inclinator (2 per program)
13. Iontophoresor (1 per 4 students)
14. Microwave (1 per program)
15. Mirror, freestanding (2 per program)
16. Overhead hospital bed frame (1 per program)
17. Paraffin bath (2 per program)
18. Pinch dynamiter (1 per 4 students)
19. Postural evaluation kit (2 per program)
20. Pulley weights (1 per program)
21. Pump, external compression (2 per program)
22. Scales, digital (1 per program)
23. Skin fold fat calipers (1 per program)
24. Stimulator, electrical, TENS (1 per 2 students)
25. Table, small adjustable (2 per program)
26. Vestibular board (1 per program)
27. Volumeter, hand-arm (2 per program)
28. Volumeter, foot (1 per program)
29. Weight cart with cuff weights (1 per program)
30. Wheelchair cushion (2 per program)
31. Call bells (1 per 2 students)
32. Plinths (1 per 2 students)
33. Lift, hydraulic (1 per program)
34. Splints, wrist, knee immobilizer (1 assorted set per program)
35. Braces: Back, knee, ankle (1 assorted set per program)
36. Prone positioner (1 per 4 students)
37. Pulleys (1 per program)
38. Rowing machine (1 per program)
39. Theraputty, variety set (1 per 10 students)
40. Powder board (2 per program)
41. Hot packs (20 per program)
42. Strength evaluator (1 per program)
43. Exercise ball (2 per program)
44. ASP "Sharps" container (1 per program)
45. Back support, lumbosacral corset (1 per program)
46. Ball, therapeutic (Small) (1 per program)
47. Bolster, pediatric (1 set per program)
48. Cane, standard adjustable (1 per 3 students)

49. Cane, quad (1 per 6 students)
50. Cold pack (20 per program)
51. Crutches, axillary (1 pair per 2 students)
52. Crutches, loftstrand (2 pair per program)
53. Dumbbell rack with dumbbells (1 per program)
54. Exercise skate (4 per program)
55. Gait belts (1 per 2 students)
56. Goggle (2 per program)
57. Goniometer, finger (1 per 4 students)
58. Goniometer, large (1 per 2 students)
59. Goniometer, small (1 per 3 students)
60. Hand splint, resting hand splint (2 pair per program)
61. Towels (3 per student)
62. Pillows (15 per 10 students)
63. Hip abduction pillow (1 per program)
64. Knee brace, Swedish knee cage (1 per program)
65. Pillowcases, standard (3 per student)
66. Platform attachment (1 set or pair per program)
67. Reach extender (1 per program)
68. Reflex hammer (1 per student)
69. Sliding board (1 per 4 students)
70. Sling, arm (1 per program)
71. Sock aide (1 per program)
72. Sphygmomanometer (1 per 2 students)
73. Stethoscope (1 per 2 students)
74. Stop watch (2 per program)
75. Tape measure (1 per student)
76. Terminal knee extension boards (2 per program)
77. Thermometer, glass (1 per student)
78. Walker, standard adjustable (1 per 2 students)
79. Walker, standard rolling with brakes (2 per program)
80. Ankle model (1 per program)
81. Brain model (1 per program)
82. Elbow, model deluxe (1 per program)
83. Hand model (1 per program)
84. Hip model (1 per program)
85. Knee model (1 per program)
86. Knee model, deep dissection (1 per program)
87. Cart, VCR/TV (1 per program)
88. Chart, anatomical (1 set per program)
89. Lumbar model, 4th and 5th (1 per program)
90. Shoulder model (1 per program)
91. Spine model (1 per program)
92. Synovial joint model (1 per program)
93. Vertebral column, deluxe (1 per program)
94. Desks (1 per student)
95. Chairs (1 per student)
96. File cabinets (3 per program)
97. Bookshelves (2 per program)
98. Flat sheet (2 per student)
99. Apple TV (1 per program)
100. iPads/Mac Book (1 per instructor)

101. Doppler
102. Body Blade
103. Bedside commode
104. Bedside table
105. Balance Pads/Mats/Discs/etc.
106. BOSU
107. Rolling stool (dependent per program)
108. Electrodes (1 pack per student for each type)
109. Doppler Ultrasound (2 per program)
110. Double Stethoscope (1 per instructor)
111. Hip Abduction Positioner Foam
112. Massage Cream
113. PPE
114. Hand-held mirror
115. Prosthetic Examples
116. Pulse Oximeter
117. Rebounder
118. O2 Tank Carrier
119. Shower Bench/Chair
120. Disinfectant materials
121. ACE Wraps (various)
122. Tape (various)

**RECOMMENDED INSTRUCTIONAL AIDS**

1. LCD Projector
2. Smart TV
3. Smart Board

## Appendix B: Curriculum Definitions and Terms

- Course Name – A common name that will be used by all community colleges in reporting students
- Course Abbreviation – A common abbreviation that will be used by all community and junior colleges in reporting students
- Classification – Courses may be classified as the following:
  - Career Certificate Required Course – A required course for all students completing a career certificate.
  - Technical Certificate Required Course – A required course for all students completing a technical certificate.
  - Technical Elective – Elective courses that are available for colleges to offer to students.
- Description – A short narrative that includes the major purpose(s) of the course
- Prerequisites – A listing of any courses that must be taken prior to or on enrollment in the course
- Corequisites – A listing of courses that may be taken while enrolled in the course
- Student Learning Outcomes – A listing of the student outcomes (major concepts and performances) that will enable students to demonstrate mastery of these competencies

The following guidelines were used in developing the program(s) in this document and should be considered in compiling and revising course syllabi and daily lesson plans at the local level:

- The content of the courses in this document reflects approximately 75% of the time allocated to each course. The remaining 25% of each course should be developed at the local district level and may reflect the following:
  - Additional competencies and objectives within the course related to topics not found in the state framework, including activities related to specific needs of industries in the community college district
  - Activities that develop a higher level of mastery on the existing competencies and suggested objectives
  - Activities and instruction related to new technologies and concepts that were not prevalent at the time the current framework was developed or revised
  - Activities that include integration of academic and career–technical skills and course work, school-to-work transition activities, and articulation of secondary and postsecondary career– technical programs
  - Individualized learning activities, including work-site learning activities, to better prepare individuals in the courses for their chosen occupational areas
- Sequencing of the course within a program is left to the discretion of the local college. Naturally, foundation courses related to topics such as safety, tool and equipment usage, and other fundamental skills should be taught first. Other courses related to specific skill areas and related academics, however, may be sequenced to take advantage of seasonal and climatic conditions, resources located outside of the school, and other factors. Programs that offer an Associate of Applied Science Degree must include all of the required Career Certificate courses, Technical Certificate courses AND a minimum of 15 semester hours of General Education Core Courses. The courses in the General Education Core may be spaced out over the entire length of the program so that students complete some academic and Career Technical courses each semester. Each community college specifies the actual courses that are required to meet the General Education Core Requirements for the Associate of Applied Science Degree at their college.
- In order to provide flexibility within the districts, individual courses within a framework may be customized by doing the following:
  - Adding new student learning outcomes to complement the existing competencies and suggested objectives in the program framework
  - Revising or extending the student learning outcomes
  - Adjusting the semester credit hours of a course to be up 1 hour or down 1 hour (after informing the Mississippi Community College Board [MCCB] of the change)

## Appendix C: Course Crosswalk

<b>Course Crosswalk</b> <b>Physical Therapist Assistant</b> <b>CIP 51.0806 - Physical Therapist Assistant</b>					
<i>Note: Courses that have been added or changed in the 2024 curriculum are highlighted.</i>					
Previous			Current		
2010 MS Curriculum Framework			2017 MS Curriculum Framework		
Course Number	Course Title	Hours	Course Number	Course Title	Hours
PTA 1111	Health Care Experience I	1	PTA 1111	Health Care Experience I	1
PTA 1123	Fundamental Concepts of Physical Therapy	3	PTA 1123	Fundamental Concepts of Physical Therapy	3
PTA 1132	Practicum I	2	PTA 1132	Practicum I	2
PTA 1143	Practicum II		PTA 1143	Practicum II	
PTA 1151	Health Care Experience II	1	PTA 1151	Health Care Experience II	1
PTA 1213	Fundamental Skills for Physical Therapist Assistants	3	PTA 1213	Fundamental Skills for Physical Therapist Assistants	3
PTA 1224	Therapeutic Modalities	4	PTA 1224	Therapeutic Modalities	4
PTA 1314	Kinesiology	4	PTA 1314	Kinesiology	4
PTA 1324	Therapeutic Exercise and Rehabilitation I	4	PTA 1324	Therapeutic Exercise and Rehabilitation I	4
PTA 1911	Seminar I	1	PTA 1911	Seminar I	1
PTA 1921	Seminar II	1	PTA 1921	Seminar II	1
			PTA 2111	Clinical Seminar I	1
PTA 2234	Electrotherapy	4	PTA 2234	Electrotherapy	4
PTA 2334	Therapeutic Exercise and Rehabilitation II	4	PTA 2334	Therapeutic Exercise and Rehabilitation II	4
PTA 2413	Clinical Education I	3	PTA 2413	Clinical Education I	3
PTA 2424	Clinical Education II	4	PTA 2424	Clinical Education II	4
PTA 2434	Clinical Education III	4	PTA 2434	Clinical Education III	4
PTA 2444	Clinical Education IV	4	PTA 2444	Clinical Education IV	4
PTA 2513	Medical Conditions and Related Pathology	3	PTA 2513	Medical Conditions and Related Pathology	3
PTA 2523	Physical Therapy Seminar	3	PTA 2523	Physical Therapy Seminar	3
PTA 2911	Seminar III	1	PTA 2911	Seminar III	1

**Course Crosswalk**  
**Physical Therapist Assistant**  
**CIP 51.0806 – Physical Therapist Assistant**

*Note: Courses that have been added or changed in the 2024 curriculum are highlighted.*

Revised					
2024 MS Curriculum Framework					
Course Number	Course Title	Hours	Course Number	Course Title	Hours
PTA 1111	Health Care Experience I	1			
PTA 1123	Fundamental Concepts of Physical Therapy	3			
PTA 1132	Practicum I	2			
PTA 1143	Practicum II				
PTA 1151	Health Care Experience II	1			
PTA 1213	Fundamental Skills for Physical Therapist Assistants	3			
PTA 1224	Biophysical Agent	4			
PTA 1314	Kinesiology	4			
PTA 1324	Therapeutic Exercise and Rehabilitation I	4			
PTA 1911	Seminar I	1			
PTA 1921	Seminar II	1			
PTA 2111	Clinical Seminar I	1			
PTA 2234	Electrotherapy	4			
PTA 2334	Therapeutic Exercise and Rehabilitation II	4			
PTA 2413	Clinical Education I	3			
PTA 2424	Clinical Education II	4			
PTA 2434	Clinical Education III	4			
PTA 2444	Clinical Education IV	4			
PTA 2513	Medical Conditions and Related Pathology	3			
PTA 2523	Physical Therapy Seminar	3			
PTA 2911	Seminar III	1			
PTA 2127	Terminal Clinical Education	7			

## Appendix D: Recommended Textbooks

Physical Therapist Assistant Text Book List CIP 51.0806 – Physical Therapist Assistant		
Book Title	Author (s)	ISBN
Fundamentals of the Physical Therapy Examination, 2 <sup>nd</sup> Ed.	Stacie J. Fruth	978-1-2840-9962-1
Orthopedic Physical Examination Test: An Evidence- Based Approach, 2 <sup>nd</sup> Ed.	Chad E. Cook and Eric J. HegEditionus	978-0-1325-4478-8
Pathology for the Physical Therapist Assistant, 3 <sup>rd</sup> Ed.	Goodman and Fuller	978-0-3237-9277-6
The Role of the Physical Therapist Assistant 3 <sup>rd</sup> Ed.	Holly Clynych	978-1-7196-4314-6
Physical Agents in Rehabilitation, 4 <sup>th</sup> Ed.	Michelle H. Cameron	978-0-3234-4567-2
Muscle and Sensory Testing 4 <sup>th</sup> Ed.	Nancy Berryman Reese	978-0-3235-9628-2
Human Diseases a Systematic Approach, 7 <sup>th</sup> Ed.	Mark Zelman, Elaine Tompany, Jill Raymond,Paul Holdaway Mary Lou Mulvihill	978-0-1334-2474-4
Writing Patient/Client Notes, 5 <sup>th</sup> Ed.	Ginge Kettenbach   Sarah L. Schlomer	978-0-8036-3820-4
Fundamental Orthopedic Management for the Physical Therapist Assistant, 4 <sup>th</sup> Edition	Robert C. Manske	978-0-323-11347-2
Documentation for the Physical Therapist Assistant 6 <sup>th</sup> Edition	Wendy Bircher	978-0-8036-2674-4
Documentation Basics for the PTA, 2 <sup>nd</sup> Ed.	Mia Erickson, and Rebecca McKnight	978-1-61711-008-5
Introduction to Physical Therapy, 6 <sup>th</sup> Ed.	Michael A Pagliarulo	978-0-3236-7348-8
Introduction to PT Practice for PTAs	Barrett	978-1-2841-7573-8
Quick and Easy Medical Terminology, 9 <sup>th</sup> Ed.	Peggy C. Leonard,	978-0-3235-9599-5
Medical Terminology Simplified, 5 <sup>th</sup> Ed.	Barbara Gylys   Regina Masters	978-0-8036-3971-3
Principles and Techniques of Patient Care, 7th Edition	Sheryl Fairchild	978-0-3237-2088-5
Physical Rehabilitation 8 <sup>th</sup> Ed.	O'Sullivan and Schmitz	978-1-7196-4691-8
Physical Rehabilitation for the PTA	Cameron	978-1-4377-0806-6
Physical Agents Theory and Practice, 3 <sup>rd</sup> Ed.	Barbara Behrens and Holly Beinert	978-0-8036-3816-7
Manual for Physical Agents, 6 <sup>th</sup> Ed.	Karen W Hayes   Kathy Hall	978-0-13-607215-7

Beard's Massage, 5th Edition	Giovanni De Domenico	978-0-7216-0350-6
Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination, 11 <sup>th</sup> Ed.	Dale Avers   Donovan Lott   Marybeth Brown	978-0-3238-2420-0
Measurement of Joint Motion: A Guide to Goniometry, 5 <sup>th</sup> Ed.	Cynthia Norkin and Joyce White	978-0-8036-4566-0
Clinical Kinesiology and Anatomy, 7 <sup>th</sup> Ed.	Lynn Lippert	978-1-71964-452-5
Laboratory Manual for Clinical Kinesiology and Anatomy 5 <sup>th</sup> Ed.	Lynn Lippert Mary Alice Minor	978-1-7196-4453-2
Orthopedics for the PTA 2 <sup>nd</sup> Ed.	Mark Dutton	978-1-2841-3931-0
Therapeutic Exercise: Foundations and Techniques, 6 <sup>th</sup> Ed.	Carolyn Kisner Lynn Allen Colby	978-0-8036-2574-7
Neurologic Interventions for Physical Therapy 4 <sup>th</sup> Ed.	Susan Marti and Mary Kessler,	978-0-3236-6175-1
PTAEXAM The Complete Study Guide 24 <sup>th</sup> Ed.	Scott M Giles	978-1-8909-8947-7
PT Clinical Handbook for PTAs, 3 <sup>rd</sup> Ed.	Kathy Cikulin-Kulinski	978-1-2841-0556-8
Improving Physical Outcomes in Physical Rehabilitation 2 <sup>nd</sup> Ed.	Susan B O'Sullivan and Thomas J.Schmitz	978-0-8036-4612-4
PTA Blue Macs, 3 <sup>rd</sup> Ed.	Cindy Lavine, Jan Myers, Karen Jacobs, Juilianne Blanford, Beverly Newman and Tom McKelvey	n/a
Therapeutic Exercise Foundations & Techniques	Kisner   Borstad   Colby	978-1-7196-4047-3
BioPhysical Agents: Theory and Practice	Behran	978-0-8036-7667-1
PTA Examination Review and Study Guide 6 <sup>th</sup> Ed.	O'Sullivan   Siegelman	978-0-9904-1629-6
Mobility in Context 3 <sup>rd</sup> Ed.	Chinworth	978-1-7196-4286-6
Intro to Pathology for the Physical Therapist Assistant	Moini and Chaney	978-1-2841-7936-1
Medical Terminology Systems	Gyls and Wedding	978-0-8036-6124-0
Essentials of Cardiopulmonary PT	Hillegass	978-0-3237-2212-4
Pediatrics for the PTA	O'Shea	978-0-3238-8142-5
Essentials of Kinesiology for the PTA	Neumann & Mansfield	978-0-3235-4498-6
Physical Agents in Rehab from Research to Practice	Cameron	978-0-3237-6194-9
Pharmacology in Rehabilitation	Ciccione	978-1-7196-4534-8
Fundamental Orthopedic Management for the PTA	Manske	978-0-3236-6171-3
Principles of Therapeutic Exercise for	Kopack & Cascardi	978-1-6309-1353-3

the PTA		
The Comprehensive Manual of Therapeutic Exercise, 1st Ed.	Elizabeth Bryan	978-1-63091-64-5

\*Or most recent edition.