

Medical Education and Training Campus

METC PHYSICAL THERAPY PROGRAM

Army Phase I 303-N9 Physical Therapy Specialty (68WN9)
Army Phase II 303-N9 Physical Therapy Specialty (68WN9)
Navy Phase I B-303-0150 Physical Therapy Technician (HM-8466)
Navy Phase II B-303-0150 Physical Therapy Technician (HM-8466)
Air Force Phase I L8ABJ4J032 01AA Physical Medicine Apprentice (4J032)
Air Force Phase II L8ABJ4J032 01AA Physical Medicine Apprentice
(4J032A)

Curriculum Plan



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Fort Sam Houston, Texas 78234
Effective Date: 4 March 2011

Supersedes:

POI 303-N9, Physical Therapy Specialty, dated 1 August 2008
POI J3ABR4J032 00AA, Physical Medicine Apprentice Course, dated 1 Mar 2006

Program Approval Authority:

ARMY:

As authorized by Dean, Academy of Health Sciences, US Army Medical Department Center and School, Fort Sam Houston, TX 78234

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Implementation Date: 27 April 2011

Approval Date: 1 Mar 2011

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Implementation Date: 27 April 2011

Approval Date: 2 Mar 2011

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Implementation Date: 27 April 2011

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Approval Date: 4 Mar 2011

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Change Record

Item to Change	Description	Date Approved

Section 1: General Program Information

Program Description:

Physical Therapy Assistants (PTA) are allied health professionals specifically focused on the diagnostic and interventional treatment of patients with musculoskeletal disorders under the care of the physical therapist. The PTA Program provides simulated and live training in all aspects of physical therapy medicine to include functional human anatomy, physiology, kinesiology, clinical pathophysiology, musculoskeletal physical therapy assessment and management. Therapeutic exercises, procedures, and modalities (Physical Agents, Spinal Traction, Ultrasound, Electrotherapy, Theory and application of TENS), neurological and medical disorders, physical therapy assessments, clinical management, professional communication, psychosocial issues in health care and clinical experiences are introduced. Quality control and safety techniques are emphasized throughout the program. Instruction and practice in medical ethics, patient care, and a comprehensive pre-clinical review prepare students to transition to a clinical setting. Lecture, demonstration, online materials, simulations, and laboratory practice are utilized during pre-clinical training. The PTA Program Courses are taught using a regional approach. During the first four weeks, the basics of anatomy, physiology, and kinesiology are taught. After week four, detailed anatomy, kinesiology, clinical disorders, clinical screening, manual therapy, and therapeutic exercises are taught as they pertain to the anatomical region being studied. These regions include spine; hip and pelvis; knee; foot and ankle; shoulder, and elbow, forearm, wrist and hand. With this regional approach, a complete course is not taught at one time during the program. Instead, courses are taught in separate units and lessons throughout the duration of the program. The overall grade for each course is determined by the accumulated performance on each segment of the course (units and lessons) within each region.

Clinical training may occur at military or civilian treatment facilities. Clinical training includes clinical rotations in physical therapy setting.

Program Goal(s):

The physical therapy assistant program will prepare graduates to function as an entry-level assistant, performing rehabilitative services under the supervision of a licensed Physical Therapist in fixed, mobile, deployable or other medical facilities. Graduates will demonstrate:

- the ability to understand fundamental theory, think critically and communicate clearly;
- the ability to apply and evaluate information relevant to the role of the entry-level technician;
- the ability to understand personal behaviors consistent with professional expectations of health care providers;
- the ability to provide intervention, education, and rehabilitative services to patients suffering from various ailments that affect their mobility and overall functional status;
- the ability to understand standards of care and ethical conduct;
- competence in the administration of physical medicine and orthotic care, utilizing special equipment and modalities;
- competence in how to train patients in therapeutic exercises and activities of daily living, and
- competence on fitting, fabricating, assembling, and adjusting orthopedic orthoses for optimal care.

1. Phase 1. This phase consists of knowledge and skills training conducted at METC, Fort Sam Houston, Texas. Lecture, guided discussion, demonstration, e-learning materials, simulations, and skills laboratory practice are blended during this phase of training.

2. Phase 2.

a. Army - This phase consists of ten weeks of clinical rotations in a medical treatment facility. Students will observe direct patient care within various clinical inpatient settings, to include physical therapy rehabilitation section, modality section, amputee clinic, troop medical clinic, and inpatient wards, occupational therapy clinic, and a prosthetics and orthotics clinic. Students will fabricate

splints and aid devices to protect and/or assist patients in achieving optimal independent physical function. Students will construct orthoses for spinal, lower, and upper limbs; create casts and formulate footwear corrections as prescribed by a privileged provider; gather information and document patient data and responses to treatment, and assist the therapist with evaluations, tests, measurements, and therapeutic procedures.

b. Navy - This phase consists of eight weeks of clinical rotations in a medical treatment facility. Students will construct orthoses for spinal, lower, and upper limbs; create casts and formulate footwear corrections as prescribed by a privileged provider; gather information and document patient data and responses to treatment, and assist the therapist with evaluations, tests, measurements, and therapeutic procedures.

c. Air Force - This phase consists of 15 months of clinical and practical training as per the Career Field Education and Training Plan (CFETP). Students will fabricate splints and aid devices to protect and/or assist patients in achieving optimal independent physical function. Students will construct orthoses for spinal, lower, and upper limbs; create casts and formulate footwear corrections as prescribed by a privileged provider; gather information and document patient data and responses to treatment, and assist the therapist with evaluations, tests, measurements, and therapeutic procedures.

Security Classification:

Unclassified

Accreditation Statement(s):

This program will be submitted to the American Council on Education for evaluation of credit hours. This is a Community College of the Air Force credit-award program. Additional accreditation information can be located by accessing the following internet sites:

Council on Occupational Education (COE)

www.council.org

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

www.caahep.org

Student Prerequisites:

All applicants will be expected to meet his/her Service specific prerequisites as outlined in their respective recruitment/accesion or training regulations.

Army-Specific: In Accordance With (IAW) Army Training Requirement and Resources Systems (ATRRS), a minimum score of 105 in aptitude area ST in Armed Services Vocational aptitude Battery (ASVAB) tests administered prior to January 2002. A minimum score of 102 in aptitude area ST on (ASVAB) tests administered on and after 2 January 2002 and prior to July 2004. A minimum score of 101 in aptitude area ST on ASVAB tests administered on and after 1 July 2004. GT score of 100 or higher. Minimum aptitude scores of 110 GT, 102 ST on the ASVAB.

Army initial entry soldiers must meet physical profile limitations (moderately heavy with the ability to lift a minimum of 80 lbs). Pregnant women may not apply or be reclassified. If student becomes pregnant during training, the program will adhere to Service specific guidance. Student will continue training and graduate by exception.

Navy-Specific:

See Catalog of Navy Training Courses (CANTRAC) site:

<https://cetarsj2eepd.cnet.navy.mil/cantrac/vol2.html>

Air Force-Specific: See Airman Enlisted Classification Directory

https://gum.afpc.randolph.af.mil/cgi-bin/askafpc.cfg/php/enduser/ps_std_adp.php?p_faqid=7504

Program Synopsis by Course:

This program consists of multiple courses which are taught regionally throughout the 17 weeks. Units within each course are taught throughout the program based on a regional approach to the human body. All courses must be completed successfully to pass this program.

PTA 101 Principles and Practices of Physical Therapy

This course introduces the fundamental principles of physical therapy and the role of the physical therapist assistant (PTA) in the health care delivery system, defines the relationship between the physical therapist, PTA and other health care professionals.

Prerequisite(s): Admission to PTA program.

PTA 102 Professional Communication

This course develops skills in verbal and non-verbal communication, conducting self-critiques and peer reviews, research of professional literature, medical documentation, and professional presentations.

Prerequisite(s): Admission to the PTA program.

PTA 103 Fundamentals of Physical Therapy

This combination lecture and lab course provides students with basic patient care skills for the physical therapy assistant and the fundamentals of physical therapy to include: Patient positioning and transfers, body mechanics, mobility aids, wheelchair management, and activities of daily living.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 104 Functional Anatomy, Physiology, and Kinesiology I

This course focuses on the science of human motion, theories of biomechanics and muscle/joint structure and function. Emphasis on basic principles of therapeutic exercise and their application to specific body regions are introduced. A laboratory experience that includes the application of kinesiology and exercise principles is integrated in the learning experience.

Prerequisite(s): Admission to the PTA program.

PTA 105 Functional Anatomy, Physiology, and Kinesiology II

This course is a combination of class lecture and lab experience. Students are provided with foundational knowledge of anatomy and kinesiology of the spine, hip, pelvis, knee, ankle, foot, shoulder, elbow, forearm, wrist and hand body regions.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 106 Clinical Pathophysiology I

This course is a combination of class lecture and lab experience. This course introduces the student to common musculoskeletal diseases and injuries to include the etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions for each disorder. Knowledge for each disorder includes their etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 107 Musculoskeletal Physical Therapy Clinical Screening and Management Techniques

This course is a combination of class lecture and lab experience. This course develops entry-level skills within the PTA scope of practice for the clinical screening of patients with musculoskeletal disorders; to include patient interviewing/history taking, observation/gait analysis, range of motion measurement, strength screening, neurovascular status screening, appropriate special tests and palpation.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 108 Introduction to Therapeutic Exercises and Procedures

This course is a combination of class lecture and lab experience. This course is designed to provide the PTA student with an entry level understanding of the theory and clinical application of various types of therapeutic exercises, and introduces the didactic knowledge necessary to apply the clinical skills for proper instruction and supervision of therapeutic exercises for patients with musculoskeletal and/or medical disorders. This course introduces the performance of all types of range of motion, flexibility, and strengthening exercises.

Prerequisites: Successful completion of PTA 101 and 102.

PTA 109 Therapeutic Exercises (Manual) Regional

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply the clinical skills for proper instruction and supervision of therapeutic exercise for patients with musculoskeletal and/or medical disorders. This course introduces the performance of all types of range of motion, flexibility, and strengthening exercises; and includes the indications, contraindications, and correction of faulty substitution patterns for each exercise.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 110 Principles of Manual Therapy

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply basic clinical skills for proper application of soft tissue mobilization and an introductory understanding of joint mobilization techniques for patients with musculoskeletal disorders.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 111 Physical Therapy Procedural Interventions

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply the clinical skills for procedural interventions to include: postural alignment and deviations; spinal, lower and upper extremity orthotics; human locomotion and abnormal gait patterns; running shoe prescription, and wound care.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 112 Therapeutic Modalities and Procedures

This course is a combination of class lecture and lab experience. This course introduces the fundamental principles of therapeutic modalities for patients with musculoskeletal and/or medical disorders; to include: Theory and application of hot and cold; Theory and application of Ultrasound; Theory and application of Electrotherapy; Theory and application of Transcutaneous Electrical Nerve Stimulation (TENS); Theory and application of Biofeedback; Theory and application of Iontophoresis, and Theory and application of Spinal Traction.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 113 Integrated Clinical Screening and Treatment Procedures

This course is a combination of class lecture and lab experience. This course encompasses the didactic and practical knowledge previously instructed during clinical screening, therapeutic exercise and therapeutic modalities to develop entry-level skills within the Physical Therapy Assistants scope of practice for the clinical screening of patients with musculoskeletal disorders. Clinical screening may include patient interviewing / history taking, observation / gait analysis, range of motion measurement,

strength assessment, neurovascular status assessment, appropriate special tests and palpation. Students may also provide instruction and supervision of therapeutic exercise. Therapeutic exercise may include the performance of all types of range of motion, flexibility, and strengthening exercises; while considering all indications, contraindications, and correcting any faulty substitution patterns during each exercise. Students may also perform therapeutic modalities and/or mobility aid instruction for patients with musculoskeletal and/or medical disorders. Therapeutic Modalities may include electrical stimulation, ultrasound, TENS, spinal traction and hot and cold packs.

Prerequisite(s): Successful completion of PTA 101 and 102.

PTA 114 Clinical Pathophysiology II

This course is a combination of class lecture and lab experience. Students are introduced to common neurological disorders and medical disease processes to include the Pathophysiology of: Arthritic, Diabetic Oncological, Prenatal, Postpartum, Pediatric and Neurological disorders, and Cardiovascular and Respiratory diseases. Knowledge for each disorder includes their etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions.

Prerequisite(s): Successful completion of PTA 101, 102, 105, 106, 107, 111, and 113.

PTA 115 Neurological and Medical Disorder Rehabilitation

This course introduces students to entry-level didactic knowledge and clinical skills within the PTA scope of practice for the clinical screening and management of patients with neurological disorders, upper or lower extremity amputations, and medical disease processes. Hands-on performance training is emphasized for neurorehabilitation, wound and burn care, edema control, amputee care and rehabilitation.

Prerequisite(s): Successful completion of PTA 102, 105, 106, 107, 111, and 113.

PTA 116 Psychosocial Issues in Health Care

This combination lecture and lab course explores the psychosocial aspects of the patient/client and health care practitioner. Investigation of the recognition and adjustment for psychological, sociological, educational, cultural, economic and political concerns on the delivery of health care services is introduced.

Prerequisite(s): PTA 101, 114, and 115.

PTA 117 Clinical Experience I

This is an observation and practical application course performed in local clinics. Students rotate through various clinical areas to include: physical therapy inpatient and outpatient clinics, amputee rehabilitation, occupational therapy clinic; burn rehabilitation center, and the prosthetics/brace clinic. Each student receives 28 hours of practical experience in this clinical setting.

Prerequisite(s): Successful completion of all PTA coursework.

PTA 118 Physical Therapy Examinations

This comprises fourteen (14) comprehensive written examinations and a comprehensive “take home” examination on neurological anatomy. In addition, there are eight (8) practical “hands-on examinations that are dispersed throughout the program utilizing a therapeutic approach.

Prerequisites(s): Successful completion of related courses.

Program Length Consolidated Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTes t	Othe r	Req' d Act.	Total
PTA 101	Principles and Practices of Physical Therapy	12							12
PTA 102	Professional Communication	8	9						17
PTA 103	Fundamentals of Physical Therapy	7	12						19
PTA 104	Functional Anatomy, Physiology, and Kinesiology I	40	2						42
PTA 105	Functional Anatomy, Physiology, and Kinesiology II	22	15						37
PTA 106	Clinical Pathophysiology I	23							23
PTA 107	Musculoskeletal Physical Therapy Clinical Screening and Management Techniques	26	32						58
PTA 108	Introduction to Therapeutic Exercises and Procedures	14	3						17
PTA 109	Therapeutic Exercises (Manual) Regional	12	27						39
PTA 110	Principles of Manual Therapy	6	5						11
PTA 111	Physical Therapy Procedural Interventions	14.5	16.5						31
PTA 112	Therapeutic Modalities and Procedures	16	35						51
PTA 113	Integrated Clinical Screening and Treatment Procedures	20	32						52
PTA 114	Clinical Pathophysiology II	19							19
PTA 115	Neurological and Medical Disorder Rehabilitation	19	18						37
PTA 116	Psychosocial Issues in Health Care	20	2						22
PTA 117	Clinical Experience I			28					28
PTA 118	Physical Therapy Exams/Written				42	41	21		104

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Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTes t	Othe r	Req' d Act.	Total
	Administrative Hours						7		7
	Consolidated Total:	278.. 5	208.. 5	28	42	41	28		626

Program Length Army and Navy Specific Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Literature Search & Presentation					16			16
	Physical Therapy Mission and Assets in the Theatre of Operations	2							2
	Phase II Brief	1							1
	Classroom Cleanup	1							1
	Career Progression	2							2
	Orthopedic Casting Techniques	8	8						16
	Functional Rehabilitation Techniques	4	12						16
	Total:	18	20			16			54

Program Length Air Force-Specific Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	EMRC	8	7.5				.5		16
	AFMS	4							4
	Total:	12	7.5				.5		20

Program Length Peacetime:

		METC	Army	Navy	Air Force	Coast Guard
Phase I Hours¹	Didactic	278.5	278.5	278.5	278.5	N/A
	Lab/Practical	208.5	208.5	208.5	208.5	
	Written Test ²	42	42	42	42	
	Practical Test	41	57	57	41	
	Clinical	28	28	28	28	
	Other	21	21	21	21	
	Administrative	7	7	7	7	
	Subtotal Instructional	626	642	642	626	
Required Activities						
Clinical/ Phase II Hours	Didactic					N/A
	Lab/Practical					
	Clinical		400 ¹	320 ¹	2400 ¹	
	Written Test					
	Practical Test					
	Other					
	Subtotal Instructional	0	400	320	2400	
Required Activities						
Total Instructional Hours			0	0	0	
Total Administrative Hours			0	0	0	

Air Force Specific Phase 2:

15 Months Apprenticeship¹

Army Phase 2: 10 weeks = 400 hours¹

Navy Phase 2: 8 weeks = 320 hours¹

¹ An 8 hour training day is the standard; exceptions are noted

² Time for end of course critique included in hours for last written exam in each course

Program Length Mobilization/Wartime

		METC	Army	Navy	Air Force	Coast Guard
Phase I Hours³	Didactic					N/A
	Lab/Practical					
	Written Test ⁴					
	Practical Test					
	Other					
	Subtotal Instructional	0	0	0	0	
	Required Activities					
Clinical/ Phase II Hours	Didactic					N/A
	Lab/Practical					
	Clinical					
	Written Test					
	Practical Test					
	Other					
	Subtotal Instructional	0	0	0	0	
	Required Activities					
Total Instructional Hours			0	0	0	
Total Administrative Hours			0	0	0	

Key		
Didactic	Did	Instructor/self-paced formats for dissemination of information
Lab/Practical	Lab/Prac	Demonstration/hands-on practice
Clinical	Clin	Patient care or other supervised work experience
Written or Practical Test	WTest PTest	Formal written/hands-on student assessments, includes time for pre-test review & post-test critique
Other	Other	All other formats for instruction
Required Activities	Reqd	All other non-instruction activities

³ An 8 hour training day is the standard; exceptions are noted

⁴ Time for end of course critique included in hours for last written exam in each course

Faculty Qualifications:

The Program Director must be a Physical Therapist or a Physical Therapy Assistant. The Program Director, Clinical Coordinator and instructors must have completed a Basic Instructor Course or an equivalent Service instructor course. See the METC Faculty Development policy for additional faculty requirements, to include, Service specific and CCAF requirements.

Section 2:

PTA 101 Principles and Practices of Physical Therapy

Course Description:

This course introduces the fundamental principles of physical therapy and the role of the physical therapist assistant (PTA) in the health care delivery system, defines the relationship between the physical therapist, PTA and other health care professionals.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will be expected to function as a PTA in a fix and/or deployable medical facility or in any healthcare environment; demonstrate appropriate verbal and non-verbal communication skills; define basic medical and anatomical terminology, and document patient care to include emotional responses to intervention.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Introduction to Physical Therapy	3							3
2	Clinical Communication Skills	9							9
Total		12							12

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Introduction to Physical Therapy					
PTA 101 1.1.1	The Physical Therapist Assistant in the Healthcare Environment	Describe the roles, responsibilities, skills, qualities and career progression possibilities of the physical therapist assistant in patient care.	C1		
PTA 101 1.2.1	Professional Ethics and Patients Rights	Identify the standards of ethical conduct for the physical therapist assistant.	C1		
PTA 101 1.2.2		Demonstrate conduct that reflects a commitment to meet or exceed the expectations of members of the profession of physical therapy.	C2		
Unit 2 Clinical Communication Skills					
PTA 101 2.1.1	Communication and Interpersonal Skills	Identify the elements involved in developing interpersonal skills to perform duties as a physical therapy assistant.	C2		
PTA 101 2.1.2		Demonstrate conduct that reflects a commitment to meet or exceed the expectations of members of society	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		receiving health care services.			
PTA 101 2.2.1	Medical and Anatomical Terminology	Define common prefixes, suffixes, and terminology in describing pathology of disease, trauma, and/or development.	C2		
PTA 101 2.2.2		Use common prefixes, suffixes, and terminology in describing pathology of disease, trauma, and/or development.	C2		
PTA 101 2.3.1	Documentation: Initial and Progress Notes	Complete thorough, accurate, logical, concise, timely, and legible documentation supporting physical therapy services.	C1		
PTA 101 2.3.2		Determine the legal and ethical boundaries of confidentiality.	C2		

PTA 102 Professional Communication

Course Description:

This course develops skills in verbal and non-verbal communication, conducting self-critiques and peer reviews, research of professional literature, medical documentation, and professional presentations.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will be able to think independently; apply the principles of clinical research; clarify values; write a journal article, and present research findings using learned critical thinking and communication skills.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Evidence Based Medicine and Practice	8	9						17
Total		8	9						17

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Evidence Based Medicine and Practice					
PTA 102 1.1.1	Introduction to Clinical Research and Evidence-Based Practice	Apply the principles of clinical research, evidence-based practice, the hierarch of clinical evidence, and types of clinical research.	C2		
PTA 102 1.1.2		Demonstrates professional presentation skills.		P2	
PTA 102 1.2.1	How to Read a Journal Article	Access information from the literature relevant to interventions.	C2		
PTA 102 1.2.2		Document Physical Therapy Care using SOAP Note Format.		P2	
PTA 102 1.3.1	How to Write a Journal Article Summary	Write a journal article summary.		P2	
PTA 102 1.4.1	Journal Article Discussion	Participate in a "Journal Club" discussion to extract important information from a journal article.	C2		
PTA 102 1.5.1	Oral Presentation	Perform oral presentation with clarity and organization of thought to convey meaning.		P2	
PTA 102 1.5.2		Adapt verbal communication to reflect sensitivity to cultural differences in a role-play situation.			A2

PTA 103 Fundamentals of Physical Therapy

Course Description:

This combination lecture and lab course provides students with basic patient care skills for the physical therapy assistant and the fundamentals of physical therapy to include: Patient positioning and transfers, body mechanics, mobility aids, wheelchair management, and activities of daily living.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will demonstrate a comprehensive understanding of the fundamental principles of draping and positioning in order to assist the therapist in bed mobility aids, and patient movement and transfers.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Patient Handling, Positioning, and Transfer	3	5						8
2	Mobility aids	4	7						11
Total		7	12						19

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 Patient Handling, Positioning, and Transfer					
PTA 103 1.1.1	Draping and Positioning	Identify the principles of draping and positioning.	C2		
PTA 103 1.1.2		Perform draping and positioning procedures on a simulated patient.		P2	
PTA 103 1.2.1	Patient Transfers and Bed Mobility	Identify the principles of patient transfers and bed mobility.	C2		
PTA 103 1.2.2		Demonstrate proper transfer techniques to a patient.		P2	
PTA 103 1.2.3		Instruct a patient on transfer procedures.		P2	
Unit 2 Mobility Aids					
PTA 103 2.1.1	Principles of Mobility Aids	Identify the principles of mobilization.	C2		
PTA 103 2.1.2		Demonstrate the use of all previously instructed mobility aids.		P2	
PTA 103 2.1.3		Instruct a simulated patient in the use of mobility aids in accordance with the prescribed assistive device, weight bearing status, and correct faulty patterns as needed; on a level surface and on stairs.		P2	
PTA 103 2.1.4		Fit a patient with an ambulation aid.		P2	
PTA 103 2.2.1	Wheelchair Management	Identify the principles of wheelchair management.	C1		
PTA 103 2.2.2		Instruct a patient in the use of a wheelchair.		P2	
PTA 103 2.2.3		Fit a patient for a wheelchair.		P1	
PTA 103 2.3.1	Acute Care Rehabilitation	Identify the importance of proper bed positioning, early breathing and coughing exercises, and a carefully graded physical reconditioning program in the management of a bedfast patient.	C2		

PTA 104 Functional Anatomy, Physiology, and Kinesiology I

Course Description:

This course focuses on the science of human motion, theories of biomechanics and muscle/joint structure and function. Emphasis on basic principles of therapeutic exercise and their application to specific body regions is introduced. A laboratory experience that includes the application of kinesiology, biomechanics, and exercise principles is integrated in the learning experience.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will be able to describe the anatomical structure, kinesiology, and physiological function of the integumentary, cardiovascular skeletal, muscular, respiratory, lymphatic, and nervous systems, and the science of human motion, clinical biomechanics, and joint structure and function of the body.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Applied Physical Therapy Science	19							19
2	The Nervous System	16							16
3	Kinesiology	5	2						7
Total		40	2						42

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Applied Physical Therapy Science					
PTA 104 1.1.1	Introduction to Anatomy and Physiology	Identify the anatomic components and physiologic function of the major human body systems.	C2		
PTA 104 1.2.1	Cells and Tissues	Identify the anatomy and physiological function of cell components and body tissues, to include epithelial, connective, cartilage, muscle, nerve, and bone tissue.	C1		
PTA 104 1.3.1	Integumentary System	Identify the anatomical structure and physiologic functions of the integumentary system.	C1		
PTA 104 1.4.1	Cardiovascular System	Describe the functions of the human circulatory system.	C1		
PTA 104 1.5.1	Skeletal System	Identify the anatomical structure and function of skeletal tissue, and the physiological processes involved in bone formation and repair.	C2		
PTA 104 1.6.1	Respiratory System	Identify the anatomical structure and physiologic functions of the	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		respiratory system.			
PTA 104 1.7.1	Lymphatic System	Identify the anatomical structure and physiologic functions of the lymphatic system.	C1		
PTA 104 1.8.1	Exercise Physiology	Identify the anatomical structure and physiologic functions associated with exercise physiology.	C2		
PTA 104 1.9.1	Muscular System	Identify the anatomical structure and physiologic functions of the muscular system.	C2		
Unit 2 The Nervous System					
PTA 104 2.1.1	Introduction to the Nervous System	Identify the structures, basic functions and the organization of the nervous system.	C1		
PTA 104 2.2.1	Neuron	Identify the structure and function for each anatomical component of the neuron.	C1		
PTA 104 2.3.1	Membrane Excitability	Identify factors that maintain the resting membrane potential and generate the action potential within the neuron.	C2		
PTA 104 2.4.1	Central Nervous System: Brain	Identify the anatomical structures and functions of the brain.	C1		
PTA 104 2.5.1	Central Nervous System: Spinal Cord	Identify the anatomical components and function of the spinal cord and its interactions with the brain and peripheral nerves.	C1		
PTA 104 2.6.1	Peripheral Nervous System (PNS)	Identify the definition, components and function of the peripheral nervous system.	C1		
PTA 104 2.7.1	Peripheral Nerve Injuries (PNI)	Identify the signs, symptoms, risk factors, precautions, and physical therapy treatment options and goals for patients with common peripheral nerve injuries.	C2		
PTA 104 2.8.1	Reflex Mechanisms	Identify the components and function of primitive, somatic, and pathological spinal reflex mechanisms of physical therapy management.	C2		
PTA 104 2.8.1.2		Apply the clinical significance of primitive, somatic, and pathological spinal reflex mechanisms to physical therapy management.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 104 2.9.1	Neurological system	Identify the structures and functions of the central and peripheral nervous systems, membrane excitability, and reflex mechanisms.	C1		
Unit 3 Kinesiology					
PTA 104 3.1.1	Introduction to Kinesiology	Identify the kinesiology principles and motions that occur within the body to include joint motion, freedom of motion, and the plane and axis of each motion.	C1		
PTA 104 3.2.1	Arthrology	Identify the types and classifications of joints, the structural components and motion characteristics for each type.	C2		
PTA 104 3.3.1	Biomechanics	Identify the basic biomechanical principles that occur within the body, such as lever systems, mechanical advantage, and the internal/external forces that influence the human body.	C2	P2	

PTA 105 Functional Anatomy, Physiology, and Kinesiology II

Course Description:

This course is a combination of class lecture and lab experience. Students are provided with foundational knowledge of anatomy and kinesiology of the spine, hip, pelvis, knee, ankle, foot, shoulder, elbow, forearm, wrist and hand body regions. The course focuses on the science of human motion, theories of biomechanics and muscle/joint structure and function. Emphasizes basic principles of therapeutic exercises and their application to specific body regions. A laboratory experience that includes the application of kinesiology and exercise principles is integrated in the learning experience.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will understand and apply the fundamental principles of clinical anatomy and kinesiology of the spine, hip, pelvis, knee, ankle, foot, shoulder, elbow, forearm, wrist and hand body regions needed to assist the Physical Therapist in the treatment and care of patients.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Anatomy and Kinesiology of the Spine	5	3						8
2	Anatomy and Kinesiology of the Upper Extremities	7	5						12
3	Anatomy and Kinesiology of the Lower Extremities	10	7						17
Total		22	15						37

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Anatomy and Kinesiology of the Spine					
PTA 105 1.1.1	Osteology: Spine and Thorax	Identify the skeletal structures of the vertebral column, rib cage, and pelvic girdle, to include their characteristic prominences, processes, lines, foramina, grooves, borders, and articular surfaces.	C2		
PTA 105 1.2.1	Anatomy & Kinesiology of the Spine and Thorax	Label the muscles to include origin, insertion, innervations, and action joints to include type, degree of freedom, and motions within the spine and thorax.	C2	P2	
PTA 105 1.2.1.1		Label the bones, articulating surfaces, degree of freedom and motion, and ligaments within the spine and thorax.	C2	P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 2 Anatomy and Kinesiology of the Upper Extremities					
PTA 105 2.1.1	Osteology - Upper Extremity	Identify the skeletal structures of the upper extremity, to include their characteristic prominences, processes, lines, foramina, grooves, borders, and articular surfaces.	C2		
PTA 105 2.1.2		Label the characteristic prominences, processes, lines, foramina, grooves, borders, and articular surfaces on a patient's surface anatomy.	C2	P2	
PTA 105 2.2.1	Anatomy and kinesiology of the Shoulder	Identify the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions, and ligaments within the shoulder region.	C2		
PTA 105 2.2.2		Label the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions, and ligaments within the shoulder region.	C2	P2	
PTA 105 2.3.1	Anatomy and Kinesiology of the Elbow, Forearm, Wrist and Hand (EFWH)	Identify the origin, insertion, innervation and actions of the muscles of the elbow, forearm, wrist and hand (EFWH)	C2		
PTA 105 2.3.2		Label the muscles of the elbow, forearm, wrist and hand (EFWH)	C2	P2	
Unit 3 Anatomy and Kinesiology of the Lower Extremities					
PTA 105 3.1.1	Osteology - Lower Extremity	Identify the skeletal structures of the lower extremity, to include their characteristic prominences, processes, lines, foramina, grooves, borders, and articular surfaces.	C2		
PTA 105 3.1.2		Label the characteristic prominences, processes, lines, foramina, grooves, borders, and articular surfaces on a patient's surface anatomy.	C2	P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 105 3.2.1	Anatomy and Kinesiology of the Hip and Pelvis	Identify the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the hip and pelvic region.	C2		
PTA 105 3.2.2		Label the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the hip and pelvic region.	C2	P2	
PTA 105 3.3.1	Anatomy and kinesiology of the Knee	Identify the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the knee region.	C2		
PTA 105 3.3.2		Label the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the knee region.	C2	P2	
PTA 105 3.4.1	Anatomy and kinesiology of the Foot and Ankle	Identify the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the leg, ankle; and foot regions.	C2		
PTA 105 3.4.2		Label the bones; muscles to include origin, insertion, innervation, and action; joints to include type, articulating surfaces, degrees of freedom, and motions; and ligaments within the leg, ankle; and foot regions.	C2	P2	

PTA 106 Clinical Pathophysiology I

Course Description:

This course is a combination of class lecture and lab experience. This course introduces the student to common musculoskeletal diseases and injuries to include the etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions for each disorder. Knowledge for each disorder includes their etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will apply clinical knowledge of common musculoskeletal diseases and injuries to include the etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions for each disorder.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Musculoskeletal Disorders	4							4
2	Clinical Disorders Upper Extremity	19							19
Total		23							23

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Musculoskeletal Disorders					
PTA 106 1.1.1	Tissue Repair	Identify the characteristics, physiological processes, and physical therapy considerations associated with each specific stage of tissue repair.	C2		
PTA 106 1.2.1	Pain and Disability	Identify the definitions and characteristics of pain and disability for patients with neuromusculoskeletal disorders.	C2		
PTA 106 1.2.1.2		Apply functional outcome measures to assess pain and disability in patients with neuromusculoskeletal disorders.	C2	P2	
Unit 2 Clinical Disorders Upper Extremity					
PTA 106 2.1.1	Clinical Disorders of the Spine	Identify neuromusculoskeletal disorders and physical therapy management for the spine; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 106 2.2.1	Clinical Disorders of the Shoulder	Identify neuromusculoskeletal disorders and physical therapy management for the shoulder; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2		
PTA 106 2.3.1	Clinical Disorders of the Elbow, Forearm	Identify neuromusculoskeletal disorders and physical therapy management for the elbow and forearm; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2		
PTA 106 2.4.1	Disorders of the Wrist and Hand	Identify the characteristics, symptoms and treatment for Ganglion cysts, Game Keeper's Thumb, Osteoarthritis and Rheumatoid Arthritis of the wrist and hand.	C2	P2	
PTA 106 2.5.1	Clinical Disorders of the Hip and Pelvis	Identify neuromusculoskeletal disorders and physical therapy management for the hip and pelvis; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2	P2	
PTA 106 2.6.1	Clinical Disorders of the Knee	Identify neuromusculoskeletal disorders and physical therapy management for the knee; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2	P2	
PTA 106 2.7.1	Clinical Disorders of the Lower Leg, Foot and Ankle	Identify neuromusculoskeletal disorders and physical therapy management for the foot and ankle; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2	P2	
PTA 106 2.8.1	Lower Extremity (LE) Stress Fractures	Identify neuromusculoskeletal disorders and physical therapy management for lower extremity stress fractures; to include the signs, symptoms, risk factors, treatment precautions, and treatment options for each disorder.	C2		

PTA 107 Musculoskeletal Physical Therapy Clinical Screening and Management Techniques

Course Description:

This course is a combination of class lecture and lab experience. This course develops entry-level skills within the PT Assistant scope of practice for the clinical screening of patients with musculoskeletal disorders; to include patient interviewing/history taking, observation/gait analysis, range of motion measurement, strength screening, neurovascular status screening, appropriate special tests and palpation. Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will perform clinical screening of patients with musculoskeletal disorders, within the entry-level PT Assistant scope of practice.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Clinical Screening and Management Techniques	25	31						56
2	Clinical Screening: Lower Extremity	1	1						2
Total		26	32						58

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Clinical Screening and Management Techniques					
PTA 107 1.1.1	Introduction to Clinical Screening	Identify the components of a clinical screening, applicable to the physical therapy assistants' scope of practice.	C1		
PTA 107 1.1.2		Perform a Basic Clinical Screening		P2	
PTA 107 1.2.1	Introduction to Range of Motion (ROM)	Identify the procedures for measuring joint ROM to include patient positioning, goniometer placement and documentation.	C1		
PTA 107 1.3.1	Introduction to Manual Muscle Testing	Identify the procedures for performing manual muscle testing to include: Patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups.	C2		
PTA 107 1.4.1	Anthropometrical Screening (girth measurements)	Identify the procedures for measuring girth to include patient positioning, tape measure placement, and documentation.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 107 1.4.2		Perform girth measurements.		P1	
PTA 107 1.5.1	Cervical and Thoracolumbar spine range of motion measurements	Identify cervical spine range of motion; to include postural screening, patient position, goniometer or inclinometer placement, measurement procedures, and documentation.	C2		
PTA 107 1.5.2		Perform thoracolumbar spine range of motion; to include postural screening patient position, goniometer or inclinometer placement, measurement procedures, and documentation.		P2	
PTA 107 1.6.1	Clinical Screening: Spine	Identify the procedures for performing a clinical screening of the spine, using standard anatomical landmarks and reference points to assess patient posture in the lateral, posterior and anterior views.	C2		
PTA 107 1.6.2		Perform a Clinical Screening Spine		P2	
PTA 107 1.7.1	Perform Clinical Screening Hip and Pelvis	Identify the procedures for performing a clinical screening examination of the hip and pelvis within the physical therapist assistant scope of practice that includes a patient history, observation, range of motion measurement, strength assessment, neurovascular status assessment, and palpation.	C2		
PTA 107 1.7.2		Perform a clinical screening of the hip and pelvis.		P2	
PTA 107 1.8.1	Perform MTT Hip	Identify the procedures for performing hip MMT using correct patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups, to assess and grade muscle strength as part of the clinical examination.	C2		
PTA 107 1.8.2		Perform Hip MMT.		P2	
PTA 107 1.9.1	Perform Range of Motion Hip	Identify the procedures for performing hip ROM measurements	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		as part of the clinical examination to assess the quality, quantity, and pain response during motion testing.			
PTA 107 1.9.2		Perform Hip ROM measurements.		P2	
PTA 107 1.10.1	Perform Clinical Screening Foot and Ankle	Identify the procedures for performing a clinical screening of the foot and ankle, within the physical therapist assistant scope of practice that includes a patient history, observation, range of motion measurement, strength assessment, sensation, special tests, and palpation to determine an appropriate assessment, prognosis and treatment plan.	C2		
PTA 107 1.10.2		Perform a clinical screening of the foot and ankle.		P2	
PTA 107 1.11.1	Perform MMT Foot and Ankle	Identify the procedures for performing MMT of the foot and ankle, using correct patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups, to assess and grade muscle strength as part of the clinical examination.	C2		
PTA 107 1.11.2		Perform manual muscle testing MMT of the foot and ankle.		P2	
PTA 107 1.12.1	Perform Foot and Ankle Range of Motion	Identify the procedures for performing knee or ankle range of motion measurements as part of the clinical assessment to assess the quality, quantity, and pain response during motion testing.	C2		
PTA 107 1.12.2		Perform knee or ankle range of motion measurements.		P2	
PTA 107 1.13.1	Perform Clinical Screening Knee	Identify the procedures for performing a clinical screening of the knee, within the physical therapy technician scope of practice that includes a patient history, observation, range of motion measurement, strength assessment, sensation, special tests, and palpation to determine an	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		appropriate assessment, prognosis and treatment plan.			
PTA 107 1.13.2		Perform a clinical screening of the knee.		P2	
PTA 107 1.14.1	Perform knee range of motion measurements	Identify the procedures for performing a knee or ankle range of motion measurements as part of the clinical assessment to assess the quality, quantity, and pain response during motion testing.	C2		
PTA 107 1.14.2		Perform knee or ankle range of motion measurements.		P2	
PTA 107 1.15.1	Perform MTT Knee	Identify the procedures for performing a MMT of the knee, using correct patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups, to assess and grade muscle strength as part of the clinical examination.	C2		
PTA 107 1.15.2		Perform MMT of the knee.		P2	
PTA 107 1.16.1	Perform a Clinical Screening: Shoulder	Identify the procedures for performing a clinical screening examination of the shoulder, within the physical therapy technician scope of practice that includes a patient history, observation, and neurovascular status assessment.	C2		A2
PTA 107 1.16.1.2		Identify the procedures for performing a clinical screening examination of the shoulder, within the physical therapy technician scope of practice that includes range of motion measurement, strength assessment and palpation.	C2		
PTA 107 1.16.2		Perform a clinical screening examination of the shoulder.		P2	
PTA 107 1.17.1	Perform ROM Shoulder	Identify the procedures for performing a shoulder ROM measurement as part of the clinical examination to assess the quality, quantity, and pain response during motion testing.	C2		
PTA 107 1.17.2		Perform shoulder ROM measurements.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 107 1.18.1	Perform MMT Shoulder	Identify the procedures for performing a MMT of the shoulder, using correct patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups, to assess and grade muscle strength as part of the clinical examination.	C2		
PTA 107 1.18.2		Perform MMT using of the shoulder.		P2	
PTA 107 1.19.1	Perform Clinical Screening Elbow, Forearm, Wrist and Hand	Identify the procedures for performing a clinical screening of the EFW&H, within the physical therapist assistant scope of practice that includes a patient history, observation, range of motion measurement, strength assessment, neurovascular status assessment, and palpation.	C2		
PTA 107 1.19.2		Perform a clinical screening of the EFW&H.		P2	
PTA 107 1.20.1	Perform Elbow, Forearm, Wrist and Hand Range of Motion (ROM)	Identify the procedures for performing an elbow, wrist, or hand ROM measurements as part of the clinical examination to assess the quality, quantity, and pain response during motion testing.	C2		
PTA 107 1.20.2		Perform elbow, wrist, or hand ROM measurements.		P2	
Unit 2 Clinical Screening: Lower Extremity					
PTA 107 2.1.1	Perform MMT Elbow, Forearm, Wrist and Hand	Identify the procedures for performing a MMT of the EFW&H, using correct patient positioning and hand placement for appropriate resistance, stabilization, and palpation of muscle groups, to assess and grade muscle strength as part of the clinical examination.	C2		
PTA 107 2.1.2		Perform MMT of the EFW&H.		P2	

PTA 108 Introduction to Therapeutic Exercises and Procedures

Course Description:

This course is a combination of class lecture and lab experience. This course is designed to provide the PTA student with an entry level understanding of the theory and clinical application of various types of therapeutic exercises, and introduces the didactic knowledge necessary to apply the clinical skills for proper instruction and supervision of therapeutic exercises for patients with musculoskeletal and/or medical disorders. This course introduces the performance of all types of range of motion, flexibility, and strengthening exercises.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will be able to demonstrate the proper instruction and supervision of Therapeutic exercise for patients with musculoskeletal and/or medical disorders needed to assist Physical Therapist in the treatment and care of patients.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Fundamentals of Therapeutic Exercises	14	3						17
Total		14	3						17

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 Fundamentals of Therapeutic Exercises					
PTA 108 1.1.1	Introduction to Therapeutic Exercise	Identify the types, characteristics, and clinical applications for various forms of Therapeutic exercise based on identified patient impairments and the tissue healing phases.	C2		
PTA 108 1.2.1	Therex: Range of Motion Exercise Principles	Identify the types, indications and contraindications, clinical applications, and physiologic responses associated with passive, active-assisted, and active range of motion exercises.	C2		
PTA 108 1.2.2		Perform range of motion exercises		P2	
PTA 108 1.3.1	Therex: Stretching Exercise Principles	Identify the types, indications and contraindications, clinical applications, and physiologic responses associated with stretching exercises.	C2		
PTA 108 1.3.2		Perform Therapeutic stretching exercises.		P2	
PTA 108	Therex: Muscular	Identify the types, indications and	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
1.4.1	Strength and Endurance Exercise Principles	contraindications, clinical applications, and physiologic responses associated with muscular strength and endurance exercises.			
PTA 108 1.5.1	Therex: Closed Kinetic Chain Exercise Principles	Identify the types, indications and contraindications, clinical applications, and physiologic responses associated with Open Kinetic Chain (OKC) and Closed Kinetic Chain (CKC) exercises.	C2		
PTA 108 1.6.1	Therex: Plyometric Exercise Principles	Identify the types, indications and contraindications, clinical applications, and physiologic responses associated with plyometric exercises.	C2		
PTA 108 1.7.1	Therex: Proprioception and Balance Exercise Principles	Identify the types, indications and contraindications, clinical applications, and physiologic responses associated with proprioception and balance exercises.	C2		
PTA 108 1.7.2		Perform Therapeutic balance and proprioceptive exercises.	C2	P2	
PTA 108 1.8.1	Therex: Aquatic Exercise Principles	Identify the procedures, advantages and disadvantages, indications and contraindications, patient population, and physiologic response associated with the use of aquatic therapy for musculoskeletal disorders.	C2		
PTA 108 1.9.1	Therex: Post-Operative Rehabilitation Principles	Identify the characteristics, complications, and progression of Therapeutic exercise during pre-operative management and each phase of the post-operative rehabilitation.	C2		
PTA 108 1.10.1	Therex: Aerobic Endurance Exercise Principles	Identify the Acute and Chronic responses and adaptations to Aerobic Exercise, and how aerobic exercise affects physical fitness and exercise.	C2		

PTA 109 Therapeutic Exercises (Manual) Regional

Course Description:

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply the clinical skills for proper instruction and supervision of Therapeutic exercise for patients with musculoskeletal and/or medical disorders. This course introduces the performance of all types of range of motion, flexibility, and strengthening exercises; and includes the indications, contraindications, and correction of faulty substitution patterns for each exercise.

Prerequisites: Successful completion of PTA 108 Introduction to Therapeutic Exercises Course

Course Goal(s):

Upon completion, students will recall the didactic knowledge and clinical skills necessary for the proper instruction and supervision of Therapeutic exercises, and perform range of motion and stretching exercises for patients with musculoskeletal and/or medical disorders to assist the Therapist in the treatment and care of patients.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Therapeutic Exercise	12	27						39
Total		12	27						39

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Therapeutic Exercise					
PTA 109 1.1.1	Therapeutic Exercise: Spine	Identify range of motion and stretching exercises	C1		
PTA 109 1.1.1.2		Identify strengthening exercises and faulty substitution patterns	C1		
PTA 109 1.1.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 1.2.1	Therapeutic Exercise: Hip and Pelvis	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 1.2.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 1.3.1	Therapeutic Exercise: Knee	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109		Perform range of motion, stretching		P1	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
1.3.2		and strengthening exercises and faulty substitution patterns for therapeutic knee exercises.			
PTA 109 2.1.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 2.2.1	Therapeutic Exercise: Foot & Ankle	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 2.2.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 2.3.1	Therapeutic Exercise: Shoulder	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 2.3.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 2.4.1	Therapeutic Exercise: Elbow & Forearm	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 2.4.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 3.1.1	Therapeutic Exercise: Wrist & Hand	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 3.1.2		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 3.1.3	Advanced Therapeutic Exercise Techniques	Identify range of motion, stretching and strengthening exercises and faulty substitution patterns.	C1		
PTA 109 3.2.1		Perform range of motion, stretching, and strengthening exercises.		P1	
PTA 109 3.2.2	Low Back Pain (LBP) Patient Education	Identify the key elements of a patient education back care program to include the prevention and management of low back pain.	C2		

PTA 110 Principles of Manual Therapy

Course Description:

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply basic clinical skills for proper application of soft tissue mobilization and an introductory understanding of joint mobilization techniques for patients with musculoskeletal disorders.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will apply clinical skills and joint mobilization techniques necessary to perform soft tissue mobilization for patients with musculoskeletal disorders.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Introduction to Manual Therapy	2	1						3
2	Manual Therapy	4	4						8
Total		6	5						11

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Introduction to Manual Therapy					
PTA 110 1.1.1	Introduction to Soft Tissue Mobilization (STM)	Identify the principles of soft tissue mobilizations consisting of muscle energy, myofascial release and friction massage techniques.	C1		
PTA 110 1.1.2		Perform soft tissue mobilizations consisting of muscle energy, myofascial release and friction massage techniques according to the prescribed technique and patient/technician positioning principles.		P2	
PTA 110 1.2.1	Introduction to Extremity Joint Mobilization	Identify the procedure and physiologic motions associated with extremity joint mobilizations.	C1		
PTA 110 1.2.1.2		Identify the accessory motions and end feels associated with extremity joint mobilizations.			
PTA 110 1.2.2		Identify the direction of force, positioning, grade, and the	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		indications and contraindications associated with extremity joint mobilizations.			
Unit 2 Manual Therapy					
PTA 110 2.1.1	Manual Therapy: Hip & Pelvis	Identify hip joint mobilization and assisted stretching techniques.	C1		
PTA 110 2.1.2		Perform hip joint mobilizations or assistive stretches according to the prescribed technique, grade, and positioning.		P2	
PTA 110 2.2.1	Manual Therapy: Knee	Identify knee joint mobilization and assisted stretching techniques.	C1		
PTA 110 2.2.2		Perform knee joint mobilizations or assistive stretches according to the prescribed technique, grade, and positioning.		P2	
PTA 110 2.3.1	Manual Therapy: Foot & Ankle	Identify foot and ankle joint mobilizations and assisted stretching techniques.	C1		
PTA 110 2.3.2		Perform foot and ankle joint mobilizations or assistive stretches according to the prescribed technique, grade, and positioning.		P2	
PTA 110 2.4.1	Manual Therapy: Shoulder	Identify shoulder joint mobilizations and assisted stretching techniques.	C1		
PTA 101 2.4.2		Perform shoulder joint mobilizations or assistive stretches according to the prescribed technique, grade, and positioning.		P2	

PTA 111 Physical Therapy Procedural Interventions

Course Description:

This course is a combination of class lecture and lab experience. This course develops the didactic knowledge necessary to apply the clinical skills for procedural interventions to include: postural alignment and deviations; spinal, lower and upper extremity orthotics; human locomotion and abnormal gait patterns, running shoe prescription, and wound care.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will apply clinical skills necessary to perform postural alignment examination, assess foot postures, and determine the equipment, material, patient positioning, and steps used to fabricate a Plantar Fascia Orthoses (PFA) for patients with musculoskeletal and/or medical disorders.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Orthotics and Splinting	5	3						8
2	Gait Screening	4	4						8
3	Postural Screening	2	4						6
4	Sports Medicine	3.5	5.5						9
Total		14.5	16.5						31

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Orthotics and Splinting					
PTA 111 1.1.1	Spinal Orthotics	Identify the types of orthoses to include their purpose, characteristics, indications, and effects for patients with spinal disorders.	C2		
PTA 111 1.2.1	Lower Extremity Orthoses	Identify the types of orthoses to include their purpose, characteristics, indications, and effects for patients with lower extremity disorders.	C2		
PTA 111 1.3.1	Upper Extremity Orthotics and Splinting	Identify the requirements, precautions, and characteristics for fabricating upper extremity splints.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 111 1.3.1.2		Identify the major types of splinting materials for fabricating upper extremity splints	C2		
PTA 111 1.3.1.3		Identify the biomechanical principles and procedures for fabricating upper extremity splints	C2		
PTA 111 1.3.2		Fabricate a basic hand splint (i.e., mock-up splint, thumb spica splint, etc).		P2	
Unit 2 Gait Screening					
PTA 111 2.1.1	Human Locomotion	Identify the procedures for performing a gait analysis within the physical therapist assistant scope of practice.	C2		
PTA 111 2.1.2		Interpret gait abnormalities.		P2	
PTA 111 2.2.1	Abnormal Gait Patterns	Identify the gait abnormalities, contributing causes and treatment options for each condition.	C2		
Unit 3 Postural Screening					
PTA 111 3.1.1	Postural Alignment	Identify posture, the rationale for doing postural alignment evaluations, and the basic principles relating to alignment, joints and muscles.	C1		
PTA 111 3.1.2		In a lab setting, perform a postural alignment examination, using standard anatomical landmarks/reference points to assess patient posture in the lateral, posterior and anterior views.		P2	
PTA 111 3.2.1	Postural Deviation	Identify the types, causes, and treatment options for postural deviations within the spine and extremities.	C2		
PTA 111 3.2.1.2		Perform a postural exam to include alignment, flexibility, strength, and leg strength.		P2	
PTA 111 3.2.2		Screen a patient to identify postural deviations, using standard anatomical landmarks / reference points to assess patient posture in the lateral, posterior and anterior views in a lab setting.		P2	
Unit 4 Sports Medicine					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 111 4.1.1	Running Shoe Prescription	Identify the principles of foot posture and methods used to assess foot postures .	C2		
PTA 111 4.1.1.2.		Identify the anatomy of running shoe designs and procedures for buying and replacing running shoes.	C2		
PTA 111 4.1.2		Fit a simulated patient with one of three running shoe design (motion control, stability, and cushioned) based on the patient's foot type.		P2	
PTA 111 4.2.1	Plantar Fascia Orthoses (PFO) Fabrication	Identify the equipment, materials, patient positioning and steps used to Fabricate a PFO.	C2		
PTA 111 4.2.2		Fabricate a PFO		P2	
PTA 111 4.3.1	Athletic Taping	Identify the benefits and risks associated with athletic taping; and apply athletic tape as prescribed to protect or prevent an injury.	C2		
PTA 111 4.3.2		Perform athletic taping		P2	
PTA 111 4.4.1	Core Stabilization	Identify the core muscles of the abdomen and back, their role in providing trunk stability and peripheral mobility, and methods for assessing their strength and function.	C2		
PTA 111 4.4.2		Perform Core Stabilization		P2	

PTA 112 Therapeutic Modalities and Procedures

Course Description:

This course is a combination of class lecture and lab experience. This course introduces the fundamental principles of therapeutic modalities for patients with musculoskeletal and/or medical disorders to include: Theory and application of hot and cold; Theory and a application of Ultrasound; Theory and application of Electrotherapy; Theory and application of Transcutaneous Electrical Nerve Stimulation (TENS); Theory and application of Biofeedback; Theory and application of Iontophoresis, and Theory and application of Spinal Traction.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will perform the application of therapeutic modalities for patients with musculoskeletal and/or medical disorders.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Physical Principles and Application of Heat and Cold Agents	5	9						14
2	Physiological effects and application of Ultrasound and Electrical Currents	8	18						26
3	Therapeutic Application of Mechanical Traction	3	8						11
Total		16	35						51

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Physical Principles and Application of Heat and Cold Agents					
PTA 112 1.1.1	Theory and Application of Heat and Cold Physical Agents	Identify the physical principles of thermal agents to include the effects of heat and cold, clinical application, contraindications and precautions	C2		
PTA 112 1.1.1.2		Identify the physical principles of thermal agents to include adverse effects, equipment utilized and application techniques.	C2		
PTA 112 1.2.1	Theory and Application of Cryotherapy	Identify the therapeutic use of cold and its clinical application in patient rehabilitation.	C1		
PTA 112 1.2.2		Apply physical agents (cold) as prescribed by the physical therapist.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 112 1.2.3		Re-evaluate the patient for progress towards the set goals of the intervention		P2	
PTA 112 1.2.3.1		Re-evaluate the patient for any adverse effects of the intervention		P2	
PTA 112 1.2.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.		P2	
PTA 112 1.2.5		Document the intervention.	C2		
PTA 112 1.2.6		Demonstrate ethical conduct with healthcare providers, staff, and simulated or mock patients.		P2	
PTA 112 1.3.1	Theory and Application of Thermotherapy	Identify the therapeutic effects of heat and cold on the body.	C2		
PTA 112 1.3.2		Apply physical agents (heat) safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 1.3.3		Re-evaluate the patient for progress towards the set goals of the intervention.	C2	P2	
PTA 112 1.3.3.1		Re-evaluate the patient for any adverse effects of the intervention.	C2		
PTA 112 1.3.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.	C2	P2	
PTA 112 1.3.5		Document the intervention.	C2		
PTA 112 1.3.6		Demonstrate ethical conduct with healthcare providers, staff, and simulated or mock patients.	C2	P2	
PTA 112 1.4.1	Theory and Application of Compression	Identify the principles of compression.	C1		
PTA 112 1.4.2		Apply compression safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 1.4.3		Re-evaluate the patient for progress towards the set goals of the intervention.		P2	
PTA 112 1.4.3.1		Re-evaluate the patient for any adverse effects of the intervention.		P2	
PTA 112 1.4.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 112 1.4.5		Document the intervention.	C2		
PTA 112 1.4.6		Demonstrate a professional commitment to the standards of ethical conduct during interactions with healthcare providers, staff and simulated or mock patients		P2	
Unit 2 Physiological Effects and Application of Ultrasound and Electrical Currents					
PTA 112 2.1.1	Theory and Application of Ultrasound	Identify the physiologic mechanisms involved with ultrasound .	C1		
PTA 112 2.1.1.2		Determine the body's physiological response to ultrasound exposure/application	C1		
PTA 112 2.1.2		Perform ultrasound treatment safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 2.1.3		Re-evaluate the patient for progress towards the set goals of the intervention.		P2	
PTA 112 2.1.3.1		Re-evaluate the patient for any adverse effects of the intervention.		P2	
PTA 112 2.1.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.		P2	
PTA 112 2.1.5		Document the intervention accurately.	C2		
PTA 112 2.1.6		Demonstrate ethical conduct during interactions with healthcare providers, staff, and simulated or mock patients.		P2	
PTA 112 2.2.1	Theory and Application of Electrical Currents	Identify the physiologic mechanisms involved with electricity.	C2		
PTA 112 2.2.1.2		Determine the body's physiological response to an electrical exposure/application.	C2		
PTA 112 2.2.2		Perform electrical stimulation safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 2.2.3		Re-evaluate the patient for progress towards the set goals of the intervention.		P2	
PTA 112		Re-evaluate the patient for any		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
2.2.3.1		adverse effects of the intervention.			
PTA 112 2.2.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.		P2	
PTA 112 2.2.5		Document the intervention.	C2		
PTA 112 2.2.6		Describe the social and cultural needs of the patient who is receiving electrical stimulation.	C1		
PTA 112 2.3.1	Theory and Application of Biofeedback	Identify the physiologic mechanisms involved with biofeedback.	C2		
PTA 112 2.3.1.2		Identify the body's physiological response to a biofeedback exposure/application.	C2		
PTA 112 2.3.2		Administer a biofeedback treatment safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 2.3.3		Re-evaluate the patient for progress towards the set goals of the intervention.		P2	
PTA 112 2.3.3.1		Re-evaluate the patient for any adverse effects of the intervention		P2	
PTA 112 2.3.4		Re-measure quantifiable subjective complaints, objective impairments and disabilities.		P2	
PTA 112 2.3.5		Document the intervention.	C2		
PTA 112 2.3.6		Displays ethical conduct during interactions with healthcare providers, staff, and simulated or mock patients.	C1		
Unit 3 Therapeutic Application of Mechanical Traction					
PTA 112 3.1.1	Theory and Application of Spinal Traction	Identify the physiologic mechanisms involved with mechanical traction.	C2		
PTA 112 3.1.2		Identify the body's physiological response to mechanical traction exposure/application.	C2		
PTA 112 3.2.1	Clinical Indications for	Identify the clinical indications for the use of spinal traction.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	the use of Spinal Traction				
PTA 112 3.2.2		Administer cervical or pelvic spinal traction treatment safely, efficiently, and effectively as prescribed by the physical therapist.		P2	
PTA 112 3.2.3		Reevaluate the patient for progress towards the set goals of the intervention.		P2	
PTA 112 3.2.3.1		Reevaluate the patient for any adverse effects of the intervention.		P2	
PTA 112 3.2.4		Re-measure quantifiable subjective complaints and objective impairments and disabilities.		P2	
PTA 112 3.2.5		Document the intervention.	C2		
PTA 112 3.2.6		Displays ethical conduct during interactions with healthcare providers, staff, and simulated or mock patients.	C1		

PTA 113 Integrated Clinical Screening and Treatment Procedures

Course Description:

This course is a combination of class lecture and lab experience. This course encompasses the didactic and practical knowledge previously instructed during clinical screening, therapeutic exercise and therapeutic modalities to develop entry-level skills within the Physical Therapy Assistants scope of practice for the clinical screening of patients with musculoskeletal disorders. Clinical screening may include patient interviewing / history taking in the S.O.A.P format, observation / gait analysis, range of motion measurement, strength assessment, neurovascular status assessment, appropriate special tests and palpation. Students may also provide instruction and supervision of therapeutic exercise. Therapeutic exercise may include the performance of all types of range of motion, flexibility, and strengthening exercises; while considering all indications, contraindications, and correcting any faulty substitution patterns during each exercise. Students may also perform therapeutic modalities and/or mobility aid instruction for patients with musculoskeletal and/or medical disorders. Therapeutic Modalities may include electrical stimulation, ultrasound, TENS, spinal traction and hot and cold packs.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will be able to implement selected components of a clinical screening, writing and annotating patient data related to that screening, and perform therapeutic exercise.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Regional Integrated Clinical Screening and Treatment	15	25						40
2	Integrated Clinical Screening and Therapeutic Modalities	5	7						12
Total		20	32						52

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Regional Integrated Clinical Screening and Treatment					
PTA 113 1.1.1	Integrated Clinical Screening and Treatment for the Spine	Instruct a patient in the performance of ROM, stretching and strengthening exercises; correcting faulty substitution patterns associated with these exercises; and providing appropriate patient education associated with spinal disorders.	C2		
PTA 113 1.1.2		Perform a clinical screening and provide Therapeutic exercise treatment.		P2	
PTA 113 1.1.3		Document the patient care encounter using S.O.A.P. format.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 113 1.1.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 1.2.1	Integrated Clinical Screening and Treatment of the Hip & Pelvis	Instruct a patient in the performance of ROM, stretching and strengthening exercises; correcting faulty substitution patterns associated with these exercises; and providing appropriate patient education associated with hip and pelvis disorders.	C2		
PTA 113 1.2.2		Perform a clinical screening and provide Therapeutic exercise treatment.		P2	
PTA 113 1.2.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 1.2.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 1.3.1	Integrated Clinical Screening and Treatment of the Knee	Instruct a patient in the performance of ROM, stretching and strengthening exercises; correcting faulty substitution patterns associated with these exercises; and providing appropriate patient education associated with knee disorders.	C2		
PTA 113 1.3.2		Perform a clinical screening and provide Therapeutic exercise treatment.		P2	
PTA 113 1.3.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 1.3.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 1.4.1	Integrated Clinical Screening and Treatment of the Foot and Ankle	Instruct a patient in the performance of ROM, stretching and strengthening exercises; correcting faulty substitution patterns associated with these exercises; and providing appropriate patient education associated with foot and ankle disorders.	C2		
PTA 113 1.4.2		Perform a clinical screening and provide Therapeutic exercise treatment.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 113 1.4.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 1.4.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 1.5.1	Integrated Clinical Screening and Treatment of the Shoulder	Instruct a patient in the performance of ROM, stretching and strengthening exercises; correcting faulty substitution patterns associated with these exercises; and providing appropriate patient education associated with shoulder disorders.	C2		
PTA 113 1.5.2		Perform a clinical screening and provide Therapeutic exercise treatment.		P2	
PTA 113 1.5.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 1.5.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
Unit 2 Integrated Clinical Screening and Therapeutic Modalities					
PTA 113 2.1.1	Integrated Clinical Screening and Treatment: Heat/Cold	Perform components of a clinical screening and administer a heat or cold treatment as prescribed by a physical therapist.		P2	
PTA 113 2.1.2		Provide an explanation of the treatment and review of the indications, contraindications, and identification of adverse treatment reactions during a complete patient care encounter.	C2		
PTA 113 2.1.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 2.1.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 2.2.1	Integrated Clinical Screening and Treatment: Ultrasound	Perform components of a clinical screening and administer a ultrasound treatment as prescribed by a physical therapist.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 113 2.2.2		Provide an explanation of the treatment and review of the indications, contraindications, and identification of adverse treatment reactions during a complete patient care encounter.	C2		
PTA 113 2.2.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 2.2.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 2.3.1	Integrated Clinical Screening and Treatment: Spinal Traction	Perform components of a clinical screening and administer a spinal traction treatment as prescribed by a physical therapist.		P2	
PTA 113 2.3.2		Provide an explanation of the treatment, and review of the indications, contraindications, identification of adverse treatment reactions during a complete patient care encounter.	C2		
PTA 113 2.3.3		Document the patient care encounter using S.O.A.P. format.	C2		
PTA 113 2.3.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	
PTA 113 2.4.1	Integrated Clinical Screening and Treatment: Electrical Stimulation / Transcutaneous Electrical Neuromuscular Stimulation (TENS)	Perform components of a clinical screening and administer an electrical stimulation/TENS treatment as prescribed by a physical therapist		P2	
PTA 113 2.4.2		Provide an explanation of the treatment, a review of the indications / contraindications, identification of adverse treatment reactions during a complete patient care encounter.	C2		
PTA 113		Document the patient care	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
2.4.3		encounter using S.O.A.P. format.			
PTA 113 2.2.4		Demonstrate behavior that reflects belief in the importance of patients' rights.		P2	

PTA 114 Clinical Pathophysiology II

Course Description:

This course is a combination of class lecture and lab experience. Students are introduced to common neurological disorders and medical disease processes to include the Pathophysiology of Arthritic, Diabetic Oncological, Prenatal, Postpartum, Pediatric and Neurological disorders; Cardiovascular and Respiratory diseases. Knowledge for each disorder includes their etiology, risk factors, signs and symptoms, physical therapy treatment options and treatment precautions.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, the student will be able to describe the common neurological disorders and medical disease processes such as stroke, spinal cord injury, cardiovascular, respiratory, oncological, endocrine, inflammatory, and degenerative diagnoses.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Medical Disorders	10							10
2	Neurological Disorders	9							9
Total		19							19

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Medical Disorders					
PTA 114 1.1.1	Pathophysiology: Diabetes	Identify the types of diabetes.	C2		
PTA 114 1.1.2		Identify the diagnostic tools used to test for diabetes and the complications that may occur due to diabetes.	C2		
PTA 114 1.2.1	Pathophysiology: Oncology	Identify the predisposing factors and early warning signs as it relates to Oncology.	C2		
PTA 114 1.2.1.2		Identify the medical tests, and factors affecting prognosis as it relates to Oncology.	C2		
PTA 114 1.2.2		Identify the signs, symptoms, and risk factors as it relates to Oncology.	C2		
PTA 1.2.2.1		Identify the prevention strategies for various types of cancer.	C2		
PTA 114 1.3.1	Pathophysiology: Rheumatology /	Identify the types, signs and symptoms, risk factors, and	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Arthritis	potential side effects of arthritis.			
PTA 114 1.4.1	Pathophysiology: Respiratory Disease	Identify the types, signs, and symptoms of respiratory disorders.	C2		
PTA 114 1.4.1.2		Identify causes, breathing patterns, risk factors, and potential side effects of respiratory disorders.	C2		
PTA 114 1.5.1	Pathophysiology: Cardiovascular Disease	Identify the types, signs and symptoms, causes, risk factors, and potential side effects of cardiovascular disease.	C2		
PTA 114 1.6.1	Pathophysiology: Pediatric Disorders	Identify the normal and abnormal child development processes and milestones of Pediatric Disorders.	C2		
PTA 114 1.6.2		Identify the three predominant pediatric disabilities (cerebral palsy, spina bifida, and muscular dystrophy).	C2		
PTA 114 1.7.1	Pathophysiology: Pregnancy	Identify the physiological changes that occur during and after pregnancy and the effect these changes have on exercise tolerance and prescription.	C2		
PTA 114 1.8.1	Pathophysiology: Burns: Skin, Scar and Wound Care	Identify the anatomy of the integumentary system, the sources of burns, and the three degrees of burns.	C2		
PTA 114 1.9.1	Pathophysiology: Edema	Identify the signs and symptoms, physiological processes, and specific pathological conditions associated with edema.	C2		
Unit 2 Neurological Disorders					
PTA 114 2.1.1	Pathophysiology: Neuro.	Identify the types, etiologies, and signs and symptoms of various neurological disorders.	C2		
PTA 114 2.1.2		Identify the applied physical therapy principles, procedures, precautions, and goals for the effective management of these disorders.	C2		
PTA 114 2.2.1	Neurologic Disorders: Oral Communication Disorders	Identify the types, neurological origin, and patient presentation of oral communication disorders.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 114 2.3.1	Neurologic Disorders: Stroke	Identify the etiology, risk factors, and patient presentation for a patient following a stroke.	C2		
PTA 114 2.4.1	Neurologic Disorders: Spinal Cord Injury	Identify the types, patient presentations, and levels of function for spinal cord injuries.	C2		
PTA 114 2.5.1	Neurologic Disorders: Motor Learning	Identify the types, patient presentations, and levels of function for spinal cord injuries.	C2		

PTA 115 Neurological and Medical Disorder Rehabilitation

Course Description:

Students are introduced to the student entry-level didactic knowledge and clinical skills within the PT Assistant scope of practice for the clinical screening and management of patients with neurological disorders, upper or lower extremity amputations, and medical disease processes. Hands-on performance training is emphasized for neurorehabilitation, wound and burn care, edema control, amputee care and rehabilitation.

Prerequisites: Admission to the program.

Course Goal(s):

Upon completion, students will perform clinical screening and rehabilitation management of patients with neurological disorders, upper and lower extremity amputations, wound and burn care, edema control management, and medical disease processes within the PT Assistant scope of practice.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Medical Disorders	6	7						13
2	Management and Rehabilitation of Burns and Wounds	4	2						6
3	Management and Rehabilitation for Amputees	6	4						10
4	Management and Rehabilitation for Neurological Patients	3	5						8
Total		19	18						37

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitiv e	Psycho -motor	Affective
Unit 1 Medical Disorders					
PTA 115 1.1.1	Management and Rehabilitation: Diabetic Patient	Identify physical therapy principles, procedures, precautions, and goals for the effective management of diabetic disorders and post-operative procedures.	C2		
PTA 115 1.2.1	Management and Rehabilitation: Oncology Patient	Identify physical therapy principles, procedures, precautions, and goals for the effective management of oncological disorders and post-operative procedures.	C2		
PTA 115 1.3.1	Management and Rehabilitation: Arthritis / Rheumatology	Identify physical therapy principles, procedures, precautions, and goals for the effective management of rheumatology disorders.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Patient				
PTA 115 1.4.1	Management and Rehabilitation: Respiratory Patient	Identify physical therapy principles, procedures, precautions, and goals for the effective management of respiratory disorders.	C2		
PTA 115 1.4.2		Perform pursed lip breathing and diaphragmatic breathing, coughing / huffing, and postural drainage.		P2	
PTA 115 1.5.1	Management and Rehabilitation: Cardiovascular Patient	Identify physical therapy principles, procedures, precautions, and goals for the effective management of cardiovascular disorders.	C2		
PTA 115 1.6.1	Management and Rehabilitation for Edema	Identify the assessment components and the treatment options used to manage edema.	C2		
PTA 115 1.6.2		Apply multiple therapeutic modalities and procedures such as exercise, compressive garments, cryotherapy, electrical stimulation, and intermittent pneumatic compression, for the treatment of edema.		P2	
Unit 2 Management and Rehabilitation of Burns and Wounds					
PTA 115 2.1.1	Management and Rehabilitation: Burn Rehabilitation Principles, Splinting, and Positioning	Identify the aspects of pain management, complex wound care, scar management, counseling, exercise, ambulation, ADL's, splinting and positioning techniques and their associated risks and the types of splints used for burn care patient management.	C2		
PTA 115 2.2.1	Management and Rehabilitation: Wound Care	Identify the appropriate materials, dressings, and techniques used for aseptic wound care.	C2		
PTA 115 2.2.2		Prepare a sterile field using aseptic techniques.		P2	
PTA 115 2.2.3		Apply wet dressing, wet to dry, wet to moist, wound covers, Hydrogel, and topical agents.		P2	
Unit 3 Management and Rehabilitation for Amputees					
PTA 115 3.1.1	Introduction to Amputee Rehabilitation	Identify the differences between vascular and traumatic amputations, the different levels of amputations, and the rehabilitation considerations for each.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 115 3.1.2		Provide rehabilitative amputee care to include residual limb wrapping, positioning, and exercise progression to maximize the functional activity level of a lower extremity amputee patient.		P2	
PTA 115 3.2.1	Introduction to Upper Extremity (UE) Amputation and Prosthetics	Identify prosthetic devices and upper extremity (UE) amputations at each level.	C1		
PTA 115 3.3.1	Amputee Care: Prosthetic Components	Identify different designs of lower extremity prosthetics and the functions of their principal components to include foot-ankle assemblies, shanks, sockets, and knee units.	C1		
Unit 4 Management and Rehabilitation for Neurological Patients					
PTA 115 4.1.1	Management and Rehabilitation: Neurological Patient	Identify the differences between vascular and traumatic amputations, the different levels of amputations, and the rehabilitation considerations for each.	C2		
PTA 115 4.1.2		Provide developmental activities training to include: Motor function (motor learning), neuromuscular re-education, movement pattern and postural awareness training.		P2	

PTA 116 Psychosocial Issues in Health Care

Course Description:

This combination lecture and lab course explores the psychosocial aspects of the patient/client and health care practitioner. Investigation of the recognition and adjustment for psychological, sociological, educational, cultural, economic and political concerns on the delivery of health care services is introduced.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will demonstrate knowledge of the various psychological and social issues that affect the patient during the rehabilitation process. Social issues include an overview of occupational therapy topics such as activities of daily living and self-care, ergonomics, and architectural barriers. Psychological issues include the impact that disability, culture, stress, grief and loss, and provider resiliency have on both the patient, health care provider, and their patient-provider relationship.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Psychological Issues	10							10
2	Overview of Occupational Therapy Topics	10	2						12
Total		20	2						22

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 Psychological Issues					
PTA 116 1.1.1	Provider Resiliency Training	Identify self-care measures to build resiliency and minimize potential provider fatigue and burn-out.	C1		
PTA 116 1.2.1	Psychosocial Aspects of Disability	Identify the psychosocial aspects of disability.	C1		
PTA 116 1.3.1	Cultural Competency	Identify culturally competent practice.	C1		
PTA 116 1.4.1	Motivational Methods in Medicine	Identify ways to guide patients into making healthy behavioral changes.	C1		
Unit 2 Overview of Occupational Therapy Topics					
PTA 116 2.1.1	Adult-Life Span Development	Identify the major challenges and developmental accomplishments facing the patient in the late adult years, to include issues involved in death and dying.	C2		
PTA 116 2.2.1	Introduction to Occupational Therapy	Identify the concepts, treatment programs, and elements of occupational therapy as they apply to physical therapy.	C1		
PTA 116 2.3.1	Introduction to Daily Life Task & Self Care	Identify the basic and instrumental activities of daily living.	C1		
PTA 116 2.4.1	Introduction to Ergonomics	Identify potential risk factors for developing work-related musculoskeletal disorders.	C1		
PTA 116 2.4.2		Perform an ergonomic screening on a simulated patient.		P2	
PTA 116 2.5.1	Architectural Barriers	Identify architectural barriers.	C1		

PTA 117 Clinical Experience I

Course Description:

This is an observation only course. Students are introduced to the clinical experience throughout the treatment facility to receive hands-on experience and individual training. Students rotate through various clinical areas at different levels throughout the program to include: physical therapy inpatient and outpatient clinics, amputee rehabilitation, occupational therapy clinic, burn rehabilitation center, and the prosthetics/brace clinic. Each student receives 28 hours of clinical experience.

Prerequisites: Admission to PTA program.

Course Goal(s):

Upon completion, students will deduce information learned throughout the program and apply them in a clinical environment at Multi-Service Medical Treatment Facilities to reinforce their didactic education. Students will rotate through various clinical areas within MTF that include the Physical Therapy Inpatient, Outpatient Rehabilitation, Amputee, Acute Care , Occupational Therapy, Wound Care, Burn Rehabilitation Centers, and the Prosthetics/Brace clinics.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTes t	PTest	Othe r	Req' d Act.	Total
1	Clinical Rotations			28					28
Total				28					28

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 Clinical Rotations					
PTA 117 1.1.1	Physical Therapy inpatient care	Observe direct patient care within various clinical inpatient settings, including physical therapy rehabilitation section, modality section, amputee clinic, and inpatient wards.		P2	
PTA 117 1.1.2	Physical Therapy outpatient care	Observe direct patient care within various outpatient clinic..		P2	
PTA 117 1.1.2.1	Troop Medical Clinic/ Physical Therapy Sports Medicine Clinic	Complete the subjective history on a patient, prior to being seen by a therapist.		P2	
PTA 117 1.1.2.2	Outpatient Rehabilitation Clinic	Complete the subjective history on an out-patient, prior to being seen by a therapist.		P2	
PTA 117 1.1.2.3	Center for the Intrepid Amputee Center	Complete the subjective history on a patient, prior to being seen by a therapist.		P2	
PTA 117 1.1.2.4	Occupational Therapy Outpatient Clinic	Write a list of treatments and ADL's performed by a patient that day, to include a list of any ADL devices that were issued.		P2	
PTA 117 1.1.2.5	Amputee Clinic	Write a summary about a patient whom you witnessed during rehabilitation, to include your thoughts in regards to amputees and the changes that a individual may go through once they become an amputee (no less than one half a page)		P2	
PTA 117 1.2.	Burn Care	Observe direct patient care within a burn rehabilitation clinic.		P2	
PTA 117 1.2.1	Institute for Surgical Research Burn Rehabilitation Clinic	Maintain a log (no less than half a page) of the various types of patient care that were provided i.e. wound debridement, dressing changes		P2	

PTA 118 Physical Therapy Exams/Written

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PTA 118 1.1	Comprehensive Examination 1	Introduction to Anatomy & Physiology, Cells and Tissues, Integumentary System, Skeletal System, Introduction to Kinesiology, Arthrology, Biomechanics, Documentation: Initial & Progress Note Writing, Medical Terminology.	C2	P2	
PTA 118 1.2	Comprehensive Examination 2	Muscular System, Musculoskeletal Disorders, Tissue Repair, Pain and Disability, Introduction to Clinical Screening, Introduction to Manual Muscle Testing (MMT), Psychological Aspect of Disabilities, Provider Resiliency Training. Introduction to the Nervous System.	C2	P2	
PTA 118 1.3	Comprehensive Examination 3	Draping and Positioning, Mobility Aids, Patient Transfers and Bed Mobility, Motivational Methods in Medicine, Cultural Competency, Clinical Communication Skills, Introduction to Daily Life Tasks & Self-care, Architectural Barriers.	C2	P2	
PTA 118 1.4	Comprehensive Examination 4	Intro to Therapeutic Exercise Therex: ROM Exercise Principles Therex: Stretching Exercise Principles Therex: Muscle Strengthening and Endurance Principles Therex: Closed Kinetic Chain Exercise Principles Therex: Balance and Proprioception Exercise Principles Therex: Plyometric Exercise Principles Therex: Aquatic Exercise Principles.	C2	P2	
PTA 118 1.5	Comprehensive Examination 5	A & K: Spine Osteology: Spine and Thorax Postural Deviation Clinical Disorders: Spine LBP Classifications Postural Alignment	C2	P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Clinical Screening: Spine ROM: Spine Therex: Cervical & Thoracic Therex: Lumbar Mobility Therex: Lumbar Stabilization LBP Patient Education Spinal Orthotics			
PTA 118 1.6	Comprehensive Examination 6	A & K: Hip & Pelvis Osteology: Hip Clinical Disorders: Hip & Pelvis Clinical Screening: Hip & Pelvis ROM: Hip & Pelvis MMT: Hip & Pelvis Therex: Hip & Pelvis Introduction to Extremity Joint Mobilization Introduction to Soft Tissue Mobilization Manual Therapy: Hip & Pelvis	C2	P2	
PTA 118 1.7	Comprehensive Examination 7	A & K: Knee Osteology: Knee Clinical Disorders: Knee Clinical Disorders: LE Stress Fractures Clinical Screening: Knee ROM: Knee MMT: Knee Therex: Knee Manual Therapy: Knee	C2	P2	
PTA 118 1.8.	Comprehensive Examination 8	A & K: Foot & Ankle Osteology: Foot & Ankle Clinical Disorders: Foot & Ankle Abnormal Gait Patterns Clinical Screening: Foot & Ankle Human Locomotion ROM: Ankle MMT: Ankle Therex: Foot & Ankle Running Shoes Manual Therapy: Foot & Ankle Therex: Advanced LE Techniques (NT) Therex: LE Aquatic Therapy (NT) Athletic Taping	C2	P2	
PTA 118 1.9	Comprehensive Examination 9	A & K: Shoulder Osteology: Shoulder	C2	P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Clinical Disorders: Shoulder Clinical Screening: Shoulder ROM: Shoulder MMT: Shoulder Therex: Shoulder Manual Therapy: Shoulder			
PTA 118 1.10	Comprehensive Examination 10	A & K: E&F A & K: W&H Osteology: EFWH Clinical Disorders: EFWH Clinical Screening: Elbow & Forearm Clinical Screening: Wrist & Hand ROM: EFWH GMMT: EFWH Therex: Elbow & Forearm Therex: Wrist & Hand Intro to UE Orthotics and Splinting Therex: Advanced Upper Extremity Techniques Therex: UE Aquatic Therapy	C2	P2	
PTA 118 1.11	Comprehensive Examination 11	Neurological Disorders Neurologic Disorders: Spinal Cord Injury Neurologic Disorders: Stroke Neurological Disorders: Oral Communication Disorders Motor Learning Neuro Rehabilitation Introduction to Amputee Rehabilitation Introduction to UM Amputations and Prosthetics Treatment of Edema	C2	P2	
PTA 118 1.12	Comprehensive Examination 12	Cardiovascular System Respiratory System Therex: Post-Operative Rehabilitation Principles Introduction to Acute Care Rehabilitation Diabetic Disorders and Rehabilitation Cardiovascular Diseases and Rehabilitation Arthritic Disorders and Rehabilitation	C2	P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Oncology Disorders and Rehabilitation Respiratory Diseases and Rehabilitation Prenatal and Postpartum Physical Therapy Pediatric Disorders and Rehabilitation Adult Life Span Development			
PTA 118 1.13	Comprehensive Examination 13	Theory and Application of Ultrasound and Theory and Application of Ultrasound	C2	P2	
PTA 118 1.14	Comprehensive Examination 14	Theory and Application of Spinal Traction Theory and Application of Electrotherapy Theory and Application of TENS Theory and Application of Biofeedback Theory and Application of Iontophoresis	C2	P2	
PTA 118 1.15	Comprehensive Examination (Take home neuro anatomy test)	The Neuron, Membrane Excitability, CNS: Brain, CNS: Spinal Cord, Peripheral Nervous System, Peripheral Nerve Injuries, Reflex Mechanisms.	C2	P2	

Practical Examinations

	Practical Examination 1	Patient Transfers and Mobility Aids		P2	
	Practical Examination 2	Integrated Clinical Screening and treatment Spine		P2	
	Practical Examination 3	Integrated Clinical Screening and treatment Hip & Pelvis		P2	
	Practical Examination 4	Integrated Clinical Screening and treatment knee		P2	
	Practical Examination 5	Integrated Clinical Screening and treatment foot and ankle		P2	
	Practical Examination 6	Integrated Clinical Screening and treatment Shoulder		P2	
	Practical Examination 7	Integrated Clinical Screening and treatment: Heat/Cold and Ultrasound		P2	
	Practical Examination 8	Integrated Clinical Screening and Treatment: Spinal Traction / Electrical Stimulation / Transcutaneous Electrical Neuromuscular Stimulation (TENS)		P2	