

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
PTA 210S INTEGRATED PRACTICE
5 CREDIT HOURS

COURSE DESCRIPTION

Study of changes which affect the interventions required for progression through the patient/client plan of care developed by the Physical Therapist. Data collection necessary to quantify responses to interventions; documentation and communication of the data are studied. Case studies and direct application of treatment techniques to specific patient conditions are used to facilitate understanding, knowledge and skills required of the PTA in clinical practice. Includes lab. Prerequisite: PTA 130S. Co-requisite: PTA 212S and PTA 215S. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
3	1. Develop skills used in progression of treatment from initial plan of care through discharge consistent with the rationale, indications, precautions and contraindications for each intervention.	1,7,8,9,10,13,14
4	2. Analyze the type of information the Physical Therapist Assistant (PTA) needs to report to the Physical Therapist (PT) in order to provide continuity of care for the patient as it applies to a specific patient scenario.	1,5,7
2	3. Interpret physiological responses that may be seen during conditioning activities and progressive endurance exercise across the musculoskeletal, neuromuscular, circulatory, and respiratory systems.	1,7,8,9
4	4. Compare patterns of abnormal movement and movement substitutions that are the result of weakness and/or paralysis of given muscle groups resulting from a variety of specific pathological disorders.	1,7,8,9,12
2	5. Interpret the positive and negative effects that touch may have on an individual's emotions and behaviors.	1,7
3	6. Produce a correctly sequenced joint mobility to strengthening to function series of activities.	1,7,8
1	7. Describe and reproduce a righting, protective and equilibrium response based on a patient case scenario.	1
4	8. Analyze strategies to address decubitus ulcers in patients with a diagnosis of cerebrovascular accident (CVA) and other neurological diagnosis.	1,7,9
3	9. Demonstrate correct application of the use of therapeutic massage and traction in the treatment of low back pain.	1,7,9,10,14
2	10. Examine and compare balance deviations associated with neurological conditions.	1,7,12,14
4	11. Adapt treatment activities to provide an appropriate level of activity for patients at various levels of conditioning.	1,7,14
1	12. Identify the skin changes and sensory concerns that would be seen as a contraindication for use of an external support device.	1,7,9
4	13. Adapt the performance of a physical therapy intervention for a patient with absent or altered sensation of pain, touch, proprioception or kinesthesia.	1,7,14
3	14. Determine the correct functional status of a patient from given evaluative data.	1,7

3	15. Choose the level of instruction for patients and caregivers' while accounting for their individual needs and learning styles to effectively achieve outcomes as defined by the plan of care.	1,2,4,5,14
2	16. Predict when an episode of care has reached an end and when physical therapy services should be terminated.	1,3,7,13,14
3	17. Develop documentation of clinical encounters effectively for a variety of patients and clinical situations in an accurate, concise and legible manner.	1,4,5,13
2	18. Explain the importance of accurate documentation to facilitate reimbursement for physical therapy services.	3,13
5	19. Express the roles of the Physical Therapist and Physical Therapist Assistant.	3,6
2	20. Participate in a service-learning project to assist other organizations and discuss how this relates to physical therapy and the role of the Physical Therapist Assistant.	3,5
3	21. Apply appropriate responses to a given emergency situation.	1,5,7
4	22. Collect data from published research studies to compare the benefits of selected physical therapy treatment interventions or intervention sequences using an evidence-based approach.	1,3,7,13,14
4	23. Identify, describe, and analyze common pathological changes in body systems: musculoskeletal, neuromuscular, cardiovascular, and pulmonary.	1,2,4,7,8,14
3	24. Distinguish normal from abnormal muscle tone and apply this knowledge to various patient populations and identify/perform techniques to normalize tone.	2,7,8,9,14
3	25. Use the concepts involved with assistive and orthotic devices during function to demonstrate the safe fit, care, and training of use of these devices.	1,7,12,14
4	26. Select, illustrate, and explain a home exercise program for a patient/client within a given plan of care utilizing items commonly found in the home.	4,5,12,14
2	27. Identify and explain the indications, contraindications, and effects of various pharmaceutical agents on all body systems.	1,7,14
3	28. Apply the knowledge of pharmacological effects and side effects to provide safe and appropriate interventions.	1,7,8,14

CORE VALUES

Core Values are a set of principles that guide the creation of educational programs and environments at Edison State. They are communication, ethics, critical thinking, human diversity, inquiry and respect for learning, and interpersonal skills and teamwork. The goals, objectives, and activities in this course will introduce or reinforce those Core Values whenever possible.

TOPIC OUTLINE

1. Spine review
2. Reimbursement
3. Motor learning
4. Adaptive equipment
5. Bracing/orthotics/splinting
6. Acute care
7. Musculoskeletal pathologies and treatments
8. Pulmonary pathology, care, and treatment

9. Cardiac pathology, care, and treatment
10. Specialized healthcare environments and monitors
11. Proprioceptive neuromuscular facilitation
12. Neuroanatomy
13. Neuromuscular pathologies and treatments
14. Neuromuscular re-education
15. Gait facilitation
16. Pharmacology related to specific diagnosis
17. Plan of care
18. Problem-based learning
19. Discharge planning