

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
PTA 215S TESTS AND MEASURES
3 CREDIT HOURS

COURSE DESCRIPTION

Study of the tests and measures used in a client's physical therapy session. Data collection of these tests are used to quantify the client's response and are used for communication between disciplines. Concepts included are testing and measurements for: tone, balance, cognition, wounds, orthopedic diagnoses, chart lab values, vital signs, and pharmacology. Includes laboratory component. Including laboratory component. Prerequisite: PTA 130S. Co-requisite: PTA 210S. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
2	1. Explain common essential standardized tests used to collect data in order to identify the patient's current status and carry out the plan of care.	2,3,5,7,13
5	2. Integrate the correct data collection techniques into the treatment session in order to assess the patient's response to and progress toward the goals set forth by the plan of care.	2,5,7,13
5	3. Integrate knowledge of postural assessment into treatment in order to progress patient toward goals set forth by the plan of care.	4,7,14
5	4. Integrate anthropometric measurements (girth, edema, height, weight, and weight-bearing) into treatment in order to progress patient toward goals set forth by the plan of care.	4,7,14
5	5. Combine gait assessments including step and stride length, distance, speed, and observational analysis in order to recognize common gait deviations.	4,7,14
5	6. Adapt selected balance tests for peers and staff in the classroom environment as needed for patient safety.	1,4,7
2	7. Differentiate between types of tone through patient cases, videos, and guest subject's with increased tone.	2
3	8. Administer appropriate superficial and deep sensory tests (coordination, light touch, heat/cold, pain, pressure, joint movement and position, coordination and reflexes) in the classroom environment.	2,4,5
3	9. Collect information regarding the patient's orientation to time, person, place and situation via interviews.	2,5
3	10. Prepare a list of current and potential barriers relating to patient safety in a home environment.	12
3	11. Collect data, including blood pressure, heart rate, respiratory rate, pattern of chest excursion, and perceived exertion during an exercise/physical conditioning program.	1,5,7,13
2	12. Describe a wound utilizing wound pictures and wound models.	5
3	13. Produce technically correct verbal and written communication (at entry level) to relay the results obtained from the collected tests and measures.	6,8,11

2	14. Distinguish normal from abnormal muscle tone.	7,10
3	15. Classify wound conditions and stages.	1,7
1	16. Identify the presence of viable compared with nonviable tissue using a model.	1
2	17. Compare safe and unsafe set-ups and barriers to function in a home setting.	1,12
4	18. 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.	5,14
3	19. Participate in and administer the discharge plan and follow-up of patients as directed by the physical therapist.	2,3,14
5	20. Display behaviors consistent with the expected norms for a physical therapist assistant.	2,3
2	21. Identify blood values both normal and abnormal and explain how these affect a patient's/client's ability to perform a therapeutic intervention.	1,7,8,9,10,12,13
2	22. Identify and explain the indications, contraindications, and effects of various pharmaceutical agents on all body systems.	1,8,10,11,12
3	23. Apply the knowledge of pharmacological effects and side effects to provide safe and appropriate interventions.	1,7,8,10,11,12

CORE VALUES

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

TOPIC OUTLINE

1. Aerobic capacity and endurance assessments (perceived rate of exertion, target heart rate, and chest excursion)
2. Anthropometrical characteristics (girth, height, arm span, weight, weight-bearing, volume, edema, body composition (BMI) and chest wall excursion)
3. Arousal, mentation and cognition (Mini Mental, Rancho Los Amigos and Glasgow Coma Scale)
4. Balance Assessments (TUG, Tinetti, Berg, Romberg, clinical test of sensory integration on balance (CTSIB) and forward reach test)
5. Flexibility assessments
6. Gait and locomotion (observational gait analysis, step and stride length, 6-minute walk test)
7. Home assessment
8. Muscle performance (manual muscle test, endurance assessment)
9. Muscle tone
10. Neuromotor function (coordination, proprioception, kinesthesia)
11. Pain assessment scales
12. Postural assessment
13. Superficial and deep sensation assessments
14. Vital Signs (blood pressure (BP), pulse, respiration, pulse oximetry)
15. Wound measurement
16. Discharge planning
17. Home exercise program
18. Pharmacology
19. Blood laboratory values