

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
PTA 125S MODALITY INTERVENTION IN PRACTICE
3 CREDIT HOURS

COURSE DESCRIPTION

Study of the interventions used during treatment of pathological processes. These interventions are established by the Physical Therapist and are required knowledge and performance for the patient's progression through the plan of care. Integumentary changes for normal and abnormal pathologies are also addressed. Data collection necessary to quantify the patient's/client's response to interventions, and documentation and communication of the data are studied. Laboratory component. Prerequisite: PTA 101S, ALH 101S, ALH 151S, BIO 125S, MTH 125S. Co-requisite: PTA 120S, BIO 126S. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
3	1. Demonstrate clear and organized written communication pertaining to pathologies and patient care.	13
1	2. Describe common pathological changes in the integumentary system.	1
3	3. Determine the modifications required for gait training with patients having diagnoses of amputations.	1,7,12
3	4. Determine correct alignment of residual limb, correct level of prosthesis and demonstrate the ability to care for a residual limb.	1,7,12
4	5. Analyze gait deviations as this applies to prosthetic gait training scenarios.	1,7,12,14
3	6. Demonstrate and apply the basic principles of electricity, sound, and thermodynamics to patient interventions.	1,7,10,11
1	7. Describe the effects of circulatory disorders on sensation and skin integrity.	1
5	8. Quantify and qualify the pain of a patient using appropriate scales.	1
3	9. Demonstrate the ability to perform an appropriate literature search on a clinical question.	6
3	10. Demonstrate the use of thermal agents appropriately as it applies to pathologies at a given stage of healing.	1,10
3	11. Modify the use of thermal and electric agents based on patient reaction to intervention.	1,7,10,11
1	12. Describe how the use of thermal and electric agents produces a therapeutic change in the patient.	1,7,10,11
3	13. Demonstrate the use of electric agents appropriately as it applies to pathologies at a given stage of healing.	1,7,11
3	14. Determine the appropriate therapeutic settings, given patient scenarios, for use of thermal and electrical stimulation equipment.	1,7,10,11
1	15. Describe the basic principles of light, electromagnetic radiation, and electronic circuitry.	11
1	16. Identify indications, precautions, and contraindications for each covered	1,10,11

	intervention.	
3	17. Apply the basic principles of biofeedback for muscle re-education and relaxation in a lab setting-	2,10

CORE VALUES

The Core Values are a set of principles that guide in creating educational programs and environments at Edison. 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. Amputee management
2. Pain scales and questionnaires
3. Therapeutic modalities
4. Evidence-based practice