Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

PTA 1125 - Functional Anatomy Lab

Division: Health Sciences

Department: Rehabilitation Services

Credit Hour Total: 4.0 **Lab Hrs:** 8.0

Prerequisite(s): PTA 1000

Other Prerequisite(s): Restricted to Majors

Date Revised: March 2016

Course Description:

Application of human anatomy and clinical kinesiology with emphasis on integration of neuromusculoskeletal anatomy, physiology, physics principles and biomechanics in relationship to human movement. Eight lab hours per week.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Oral Communication Competency

Course Outcomes:

Location and Palpation
Student will accurately locate and palpate muscular, tendinous, and bony landmarks on anatomical models and on the human body.

Assessment Method: Behavioral observations
Performance Criteria:

At least 77% accuracy in locating anatomical structures on self and models

Assessment Method: Locally developed exams
Performance Criteria:

Acquiring at least a 77% on written lab assessments.

Assessment Method: Oral examination
Performance Criteria:

At least 77% accuracy in locating and palpating anatomical structures on self and models

Communication
Student will communicate with instructors and peers in one-on-one and group situations in an effective manner, utilizing appropriate terminology related to body position and human movement.

Assessment Method: Behavioral observations
Performance Criteria:

Communicates in a professional manner utilizing appropriate terminology 75% of time in all written and oral examinations.

Assessment Method: Oral examination
Performance Criteria:

Communicates in a professional manner utilizing appropriate terminology 75% of time in all written and oral examinations.

Application to functional movement
Student will apply concepts of joint structure, joint function, and synergistic muscle control to functional movement patterns.

Assessment Method: Behavioral observations
Performance Criteria:

Able to apply muscle and joint function to functional movement with at least 77% accuracy.

Assessment Method: Locally developed exams
Performance Criteria:

Able to apply principles to written lab assessments with at least 77% accuracy.

Assessment Method: Oral examination
Performance Criteria:

Able to apply muscle and joint function to functional movement with at least 77% accuracy.

Outline:

Lab activities for Introduction to body positions and kinesiology
Lab activities for Bones and bone markings
Lab activities for Skeletal structures
Lab activities for Joints and joint motions
Lab activities for Reliance of organ systems and fascia
Lab activities for Muscle structure and function
Lab activities for Central nervous system and peripheral nervous system
Lab activities for Skeletal, joint, and muscle structure of the upper extremities
Lab activities for Skeletal, joint, and muscle structure of the lower extremities
Lab activities for Skeletal, joint, and muscle structure of the spine
Lab activities for Skeletal, joint, and muscle structure of the temporomandibular joint
Lab activities for Total body movement