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

Master Syllabus

PTA 1120 - Functional Anatomy Lecture

Division: Health Sciences

Department: Rehabilitation Services

Credit Hour Total: 1.0 **Lecture Hrs:** 1.0

Prerequisite(s): PTA 1000

Other Prerequisite(s): Restricted to Majors

Date Revised: March 2016

Course Description:

Human anatomy and clinical kinesiology with emphasis on integration of neuromusculoskeletal anatomy, physiology, physics principles and biomechanics in relationship to human movement.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Information Literacy Competency

Course Outcomes:

Anatomical Relationships
Student will understand the relationship between physical laws, kinesiological concepts, biomechanical principles and human motion.

Assessment Method: Focus groups
Performance Criteria:

Achieve at least a 77% on group discussion questions

Assessment Method: Locally developed exams
Performance Criteria:

Answer at least 77% of the questions correctly

Terminology
Student will define and correctly utilize terminology related to body position and human movement in written communication.

Assessment Method: Focus groups
Performance Criteria:

Achieve at least a 77% on group discussion questions

Assessment Method: Locally developed exams
Performance Criteria:

Answer at least 77% of the questions correctly

Anatomical Architecture
Student will describe the architecture, function, and location of structures within the musculoskeletal and neurovascular systems, and their relationship to other anatomical structures.

Assessment Method: Focus groups
Performance Criteria:

Achieve at least a 77% on group discussion questions

Assessment Method: Locally developed exams
Performance Criteria:

Answer at least 77% of the questions correctly

Outline:

Introduction to body positions and kinesiology

Bones and bone markings

Skeletal structures

Joints and joint motions

Reliance of organ systems and fascia

Muscle structure and function

Central nervous system and peripheral nervous system
Skeletal, joint, and muscle structure of the upper extremities
Skeletal, joint, and muscle structure of the lower extremities
Skeletal, joint, and muscle structure of the spine
Skeletal, joint, and muscle structure of the temporomandibular joint
Total body movement