

Spokane Falls Community College
COURSE LEARNING OUTCOMES

Prefix and Course Number: PTA 103
Course Title: Applied Anatomy Seminar
Version Date: 04/29/2019

Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. Identify and/or define nervous and musculoskeletal anatomy as it relates to the following: 7B
 - a. Musculoskeletal anatomical segments, bony structures, and joints as they relate to movements and planes, muscle contractures, and kinesiology.
 - b. Major bones and their landmarks, joints, ligaments, and muscles.
 - c. Musculoskeletal origins and insertions for all of the major muscle groups and ligaments.
 - d. Nervous system's innervation distribution patterns for all of the major muscle groups.
 - e. Actions and planes of motion of the major muscle groups of the musculoskeletal system
2. Explain the principles of kinesiology as they contribute to human motion and functional ability. (7A)
3. Contrast and/or explain joint integrity and mobility as it relates to the following: (7D24g)
 - a. Normal joint movement of all the major joints of the body
 - b. Abnormal changes in the joint and its effect on function.
 - c. The purpose of performing passive range of motion
4. Describe the phases of respiration and identify the muscles involved in each phase. (7D24n)
5. Identify appropriate procedures for assessing joint mobility and muscle length for the following areas: (7D24g)
 - a. Normal and abnormal ranges
 - b. Geriatric and Pediatric populations
 - c. Range of Motion measurements using goniometry and measuring functional range. (7D24l)
6. Identify strategies as it pertains to the following professional evidence-based literature assignments:
 - a. Construct a pathway including describing search tools to locate an evidenced-based article, which contain statistical data. (7D10)
 - b. Complete an annotated bibliography referencing an evidence-based publication. (7D11)
7. Regarding muscle performance: (7D24h)
 - a. Compare and contrast the different levels of manual muscle testing and describe the positions for each test.
 - b. Describe the positions for testing deep tendon reflexes, the spinal cord level commensurate with each, reflex grading system and components of the reflex arc.
 - c. Describe the considerations for assessing muscle performance for geriatric and pediatric populations