

Course Standard 6

HS-EHS-6

Evaluate the anatomy, physiology, and basic pathophysiology of the muscular and skeletal systems, and perform technical skills related to the systems.

- 6.1 Analyze the basic structures and functions of the muscular system.
- 6.2 Analyze the basic structures and functions of the skeletal system, including locating and identifying the bones of the skeletal system and hemopoiesis.
- 6.3 Explain the relationship between the muscular and skeletal systems, and identify their interdependence as they relate to body structure, movement and posture.
- 6.4 Identify and explain medical terms related to the muscular and skeletal systems, and utilize when documenting in the electronic medical record.
- 6.5 Research common diseases, disorders, and emerging disorders of the muscular and skeletal systems including pathophysiology, prevention, diagnosis and treatment that might be utilized.
- 6.6 Differentiate between the axial and appendicular skeletons.
- 6.7 Describe the development of the skeletal system.
- 6.8 Locate and identify the types of joints in the skeletal system.
- 6.9 Locate and identify the types of muscles in the muscular system.
- 6.10 Perform range of motion (ROM) for joints such as the shoulder, wrist and ankle.
- 6.11 Differentiate between active and passive range of motion.
- 6.12 Demonstrate proper techniques for ambulation with assistive devices (crutches, cane, walker); and identify limitations and abnormalities.