

# Unit 3 – The Skeletal System

## Learning Objectives.

Analyze the various components of the skeletal system and integrate this analysis with the body's articulations.

- 3.1 Define the skeletal system and state its functions
- 3.2 Define the axial and appendicular skeletons and list their components
- 3.3 Identify the bones of the human body and the major structures on each.
- 3.4 Define the terms used for bone markings, give their functions and list examples for each
- 3.5 List the curves of the vertebral column and explain their origin
- 3.6 Define fontanelles and sutures
- 3.7 Compare the major structural differences between the male and female skeleton
- 3.8 State the structural composition of bone
- 3.9 List the different bone shapes
- 3.10 Describe the gross anatomy of a long bone
- 3.11 Describe the structure of dense and spongy bone
- 3.12 Compare endochondral and intramembranous ossification
- 3.13 State the significance of the epiphyseal plate
- 3.14 Describe bone remodeling
- 3.15 Define an articulation
- 3.16 Compare the structure, degree of movement and location of fibrous, cartilaginous and synovial joints
- 3.17 List the types of synovial joints, their possible movements and examples of each type of joint
- 3.18 Describe the structure and function of a bursae