

# Bone Consideration

## Osteology

### Functions of bones

Protection, support, movement

### Classifications

Long (femur, radius) - levers,

Short (carpals) - strength,

Flat (scapula, skull) – large area for attachment, protection,

Irregular (pelvic, ossicles of ear) – unique function,

Sesamoid – (patella) – pulleys

### Features

Epiphyses

Diaphyses

Articular Cartilage

Periosteum

Endosteum

Marrow or medullary cavity

### Bone markings

Skeletal Landmarks

Condyles

Epicondyles

Processes – styloid, olecranon

Tubercles

Tuberosity

Crests

Spines

Borders

Malleolus

## Skeletal organization – 206 total bones

### Axial

Skull – cranium and face

Vertebral column – cervical, thoracic, lumbar, sacral, coccygeal

Thorax – sternum and ribs

### Appendicular

Shoulder girdle and UE

Hip girdle and LE