

Bio 135 Lab: Bones lab two, Appendicular Skeleton and joints:

- Objectives:
 - Learn the bones of the Appendicular Skeleton and the associated markings
 - Learn the types of joints, their structure and the motions they allow.

- Pre Lab Activities:
 - Go to the virtual lab and review materials there on the appendicular skeletal system.
- Lab Activity
 - Lecture over the types of bones, joints and motions of the appendicular skeleton
 - Review the list of bones for the appendicular skeleton and learn them and their structures by visual comparison with images in your text and in the class.

Bio 135

Bones and Markings of the Appendicular Skeleton

UPPER LIMB

Clavicle

Scapula*

- acromion process
- coracoid process
- glenoid fossa (cavity)
- lateral border
- medial border
- spine

Humerus*

- Head
- greater tubercle
- lesser tubercle
- lateral epicondyle
- medial epicondyle
- olecranon fossa
- coronoid fossa
- anatomical neck
- surgical neck

Radius

- head
- radial tuberosity
- styloid process

Ulna

- coronoid process
- olecranon process
- radial notch
- trochlear notch
- styloid process

Carpals

Metacarpals

Phalanges

LOWER LIMB

Coxal (or Innominate) Bone*†

- acetabulum

Ilium

- iliac crest

Ischium

Pubis

- symphysis pubis (pubic symphysis)

Femur*

- head
- neck
- greater trochanter
- lesser trochanter
- patellar surface
- lateral condyle
- medial condyle

Patella

Tibia*

- anterior crest (shin)
- lateral condyle
- medial condyle
- medial malleolus

Fibula

- head
- lateral malleolus

Tarsals

Calcaneus

Talus

Metatarsals

Phalanges