A215 Lab

Nervous: Cranial Nerves;
Circulatory: Vessels-1
6(III.A); 7(I, III)
Cranial Nerves

• 12 pairs (11 you need to identify)
• PNS vs. CNS?
• Can be sensory, motor, or both!
• OOOTTAFAVGVAH (ant. to post.)
  – Oh once one takes the anatomy final very good vacations (are) heavenly!
• Named for where they travel to
• CN II is not a true peripheral nerve (PNS) but a tract of the diencephalon, so technically it is a CNS structure
Circulatory Vessels

• 2 circuits: pulmonary and systemic
  – Pulmonary powered by right side of the heart, systemic by left side of the heart

• Arteries
  – Carry blood *away* from the heart
  – muscular, round

• Veins
  – *Return* blood to heart
  – thin, collapsed

"Arteries = Away"
Pulmonary veins = oxygenated blood

pulmonary arteries = deoxygenated blood...
Only need to specify right vs. left when asymmetry!
If you know regions, you know deep vessels!
Cranial blood supply

• Arterial
  – Circle of Willis
    • series of arteries
  – Basilar Artery (1)
  – Vertebral Arteries (2)

• Venous
  – Dural Venous Sinuses
All arteries have paired veins

Superficial veins do not pair

Subclavian $\rightarrow$ axillary at 1st rib, axillary $\rightarrow$ brachial at teres major muscle
Activity/Self Quiz!

• DRAW OUT circulation!
  – Start by learning flow on torso models, donors, and leg/arm models
  – Start sketch of circulatory system at the heart (aortic arch), then draw out flow into extremities
  – Doesn’t have to be pretty