

# HUMAN ANATOMY & PHYSIOLOGY I

STUDY GUIDE FOR LAB PRACTICAL II

INSTRUCTOR: CJ SHUSTER

- you must also know all diagrams (including associated word lists).
- you must know all microscope slides and dissections as outlined on this study guide.
- you are also responsible for the wall charts.

**THIS IS A REVIEW, AND DOES NOT INCLUDE DRAWINGS, VALUES ETC. FROM THE MANUAL!!!!!!**  
**THIS IS NOT A CONTRACT!!! My only guarantee is that this will cover 90-95% of the items seen on the lab practicals.**

## **CHAPTER 20:**

### A. GENERAL TERMS:

afferent (sensory)  
bipolar  
efferent (motor)

glial cells (astrocytes, microglial,  
ependymal and oligodendrocyte)  
multipolar  
unipolar

### B. MODELS & DIAGRAMS:

axon  
axon hillock  
cell body  
dendrite  
endoneureum  
mitochondria  
myelin sheath  
neurofibril  
neurolemma  
neuromuscular junction  
neuron  
Nissl bodies  
nodes of Ranvier  
nucleus of perikaryon  
nucleus of schwann cell  
perikaryon  
schwann cell  
synapse  
telodendria

### C. OX NEURON SMEARS:

axon  
dendrites  
neuroglia  
nucleus of perikaryon  
perikaryon

### Guide for Neural Tissue Labs

**This is a guide for what the student should learn off of the various models, dissections, etc. This is a guide only; it is not an exclusive list.**

Models/Charts found in Regular Lab & Learning Lab

Neuron Model:

anything you can see on the wordlist. Use images in lab and lecture book.

Slides:

Look at these:

Ox Smear: know parts of neuron

Neuromuscular Junction

"Medullated" Nerve Slide: know endoneurium, epineurium, perineurium, fasciculus, axa