

AP1 Lab Topics Sequence – Spring 2012

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 My Web Page: www.brazosport.edu then “Current Students,” then “Faculty,” then “James Jerry.”
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Materials Needed each Week: 1) your text, 2) Lab Activity Sheets printed from my web page.

Lab quizzes:

- Are based on the lab topics from the **previous** week’s lab.
- Usually consist of 25 questions; usually **oral format**; and Yes, **spelling counts**.
- Are **given at the beginning of lab**. Come early. **Questions are not repeated for late arrivals**.
- 12 quizzes are given. The 10 best scores are averaged. There are **no make-ups**.
- Lab average = 40% of course evaluation. Lecture average = 60%.

THE Key to Success:

A wise learner once said: “You don’t know what you don’t know until you try to teach it to someone else.” You can listen to or read for hours and think “That makes sense. I got it.” It’s not until you try to teach someone else or answer another’s questions that you discover how shallow or deep your understanding really is. **This is why you should study in groups!!!** Make each other say it, write it, draw it, explain it, ask questions, answer questions, etc.

****Live by the motto: “If I can’t teach it then I don’t know it.”** Don’t let your lab quiz or lecture exam be the first time to reveal what you *don’t* know. Find out beforehand, learn it, and then ace those quizzes and exams!

LAB TOPICS to be covered	
Lab 1	Intro. to A&P Lab Body Cavities, Four Abdominopelvic Quadrants, Organs Membrane Transport Processes Osmosis Filtration Diffusion Directional terminology
Lab 2	Quiz #1 ____ Serous Membranes, Mesenteries, & ‘Retroperitoneal’ Body Cavities Body Planes 9 Abdominopelvic Regions Build Your Own Cell Membrane Regional Terminology (OYO) Cellular Organelles and Their Functions (mostly OYO)
Lab 3	Quiz #2 ____ The Skin. Use text and models to learn anatomy and functions. Synovial Joints anatomy. The knee joint and shoulder joints as examples. Use models. OYO from handout: Rheumatoid Arthritis, Osteoarthritis, Gout

Week of...	LAB TOPICS to be covered
Lab 4	Quiz #3 _____ Human Axial Skeleton anatomy. Learn the bones (and their features) of the axial skeleton. Microscopic Anatomy of bone
Lab 5	Quiz #4 _____ Generic Bone Anatomy. Human Appendicular Skeleton anatomy.
Lab 6	Quiz #5 _____ Neuron Anatomy. Use models. Spinal Cord Anatomy. Use models. Meninges
Lab 7	Quiz #6 _____ The Brain. Anatomy and regional functions. Use models and laser disc. Major blood vessels supplying the brain.
Lab 8	Quiz #7 _____ Learn Cranial Nerves I-XII Pain and pain blockage T.E.N.S. Unit demo Dissection of the cow brain.
Lab 9	Quiz #8 _____ Movements seen at Synovial Joints Muscles of the Torso, Neck, & Face and the movements they produce.
Lab 10	Quiz #9 _____ Muscles of the Arms and Legs and the movements they produce.
Lab 11	Quiz #10 _____ ** Everything in today's lab is fair game for lecture exam #5 ** Endocrine System. Identify gland locations on torso manikins. Hormones: Learn source, target tissue, and primary function of each hormone from "Hormone Hall of Fame" handout.
Lab 12	Quiz #11 _____ Human Eye. Anatomy and functions. Use Models. Human Ear - Use models. Dissection of the eyeball. Eye Surgery Video
	Your Laaaaast Quiz #12 _____