

BIOLOGY 223: HUMAN PHYSIOLOGY & ANATOMY I – Fall 2008

MWF 12-12:50pm LS 105

Dr. Jeff Smith
Office: LS 224; Ph: 2420
Email: jeff.smith@colostate-pueblo.edu

Office Hours: 12-1 M, 2-4 W, 9-11 F,
other times by appointment.

Required Text: Saladin, Kenneth S. (2007) *Anatomy & Physiology: The unity of form and function*, 4th edition. McGraw-Hill, San Francisco.

Week	Date	Topic	Reading, Quiz Due	Material Covered
1	25 Aug	Introduction	Ch. 1	Concepts, terminology
	27 Aug	Chemistry of life	Ch. 2	What are you made of?
	29 Aug	"	"	
2	1 Sep	Cells	Ch. 3	Cell structure, organelles
	3 Sep	"	"	Membrane transport
	5 Sep	Cells, Genetics	Ch. 4	Protein synthesis, DNA, cell cycle
3	8 Sep	"	"	Bb Quiz 2
	10 Sep	"	"	Epithelial & connective tissue
	12 Sep	Histology (Tissues)	Ch. 5 (Assignment 1)	Nervous & muscle tissue
4	15 Sep	"	"	Bb Quiz 3
	17 Sep	EXAM I		Glands, cell junctions, membranes Chapters 1, 2, 3, 4
	19 Sep	Integumentary System	Ch. 6	Skin structure & function
5	22 Sep	"	"	Bb Quiz 4
	24 Sep	"	"	Skin appendages, glands Skin pathology, color
	26 Sep	Bone	Ch. 7	Bone microanatomy
6	29 Sep	"	"	Bb Quiz 5
	1 Oct	"	"	Bone development Bone homeostasis
	3 Oct	"	"	Bone pathology
7	6 Oct	Joints	Ch. 9	Bb Quiz 6
	8 Oct	"	Ch. 9 (Assignment 2)	Joint structure Joint movement, pathology
	10 Oct	EXAM II		Chapters 5, 6, 7, 9
8	13 Oct	Muscle	Ch. 10	Bb Quiz 7
	15 Oct	"	Ch. 11	Structure-function overview Microanatomy
	17 Oct	"	"	Motor control (nerve-muscle)
9	20 Oct	"	"	Bb Quiz 8
	22 Oct	"	"	Excitation-contraction coupling Energetics of force production
	24 Oct	"	"	Cardiac and smooth muscle
10	27 Oct	Nervous Tissue	Ch. 12	Bb Quiz 9
	29 Oct	"	"	Neurons, neuroglia, myelin Electrophysiology
	31 Oct	"	"	Synapses & neurotransmitters
11	3 Nov	"		(no Bb Quiz)
	5 Nov	EXAM III		Chapters 10, 11, 12
	7 Nov	CNS – Brain	Ch. 14	Anatomy, higher brain functions
13	10 Nov	"	"	Bb Quiz 10
	12 Nov	"	"	
	14 Nov	"	"	Cranial nerves, reflexes
14	17 Nov	CNS – Spinal Cord	Ch. 13	Bb Quiz 11
	19 Nov	"	"	Anatomy, spinal nerves, reflexes
	21 Nov	"	"	
X	24 – 28 Nov	Thanksgiving Break		
15	1 Dec	Autonomic Nervous System	Ch. 15	Bb Quiz 12
	3 Dec	"	"	Sympathetic and parasympathetic
	5 Dec	"	"	
Friday 12 Dec, 10:30am – 12:50pm, LS 105		FINAL EXAM	Non-comprehensive (Chaps. 13-15)	

*A note on attendance: I strongly encourage you to attend EVERY class! Don't rely on your Blackboard notes to learn all the information that you will need to do well in the course. They are provided only as a *supplement*. There will be material I cover in class that will not necessarily be in your Blackboard notes. Plus, you miss out on the opportunity to ask questions.

Students with Disabilities

This University abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulate that no student shall be denied the benefits of an education "solely by reason of a handicap." If you have a documented disability that may impact your work in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to the Disability Services Office, which is located in the Psychology Building, room 232.

Academic Dishonesty

You are expected to be honest and ethical in your academic work. Academic dishonesty is subject to the disciplinary process outlined in the CSU-Pueblo Student Conduct Regulations. Academic dishonesty is defined as an intentional act of deception in one of the following areas:

- Cheating – use or attempted use of unauthorized materials, information or study aids.
- Fabrication – falsification or invention of any information.
- Assisting – helping another commit an act of academic dishonesty.
- Tampering – altering or interfering with evaluation instruments and documents.
- Plagiarism – representing the works or ideas of another person as one's own.