

BZCC 101  
HUMANS AND OTHER ANIMALS  
FALL 2007

SECTION 1: MWF 11 AM, YATES A104  
SECTION 2: MWF 3:10 PM, CLARK A101

INSTRUCTOR: Dr. Karen Raines  
OFFICE: Anatomy/Zoology E 405  
EMAIL: [kmraines@lamar.colostate.edu](mailto:kmraines@lamar.colostate.edu)  
PHONE: 491-3093  
OFFICE HOURS: MWF, 2-2:50 or by appointment

TEXT: The Living World, 5th edition, George Johnson. **Textbook is optional, but strongly recommended.**

EXAMS AND GRADES:

There will be 5 hourly exams during the semester. Each exam will consist of 50 multiple choice questions. Students with conflicts on exam dates may request to take an exam at an earlier time. The student must meet with the instructor to discuss the nature of the conflict. The instructor will decide if the conflict is reasonable and if the student will be allowed to take an exam at an earlier time.

If a student misses an hourly exam due to illness, injury or some other personal reason, the student will receive a "0" for that exam. The lowest of the first 4 exams will be dropped. **There are no makeup exams and no extra credit!** Please keep in mind that illnesses, accidents, family emergencies, etc. do happen, so don't assume the "drop" policy allows you to "blow off" a test. The fifth exam is mandatory and will be taken during finals week. The fifth exam is not a cumulative exam.

COURSE SCHEDULE

WEEK	TOPIC	CHAPTER ASSIGNMENT
Aug 20-24	Introduction Molecules of Life Cells	4 5
Aug 27-31	Eukaryotic cell cycle Mitosis Cancer Meiosis	9 9 9 10
Sept 5-7	Mendelian Genetics	11 (pp 183-199)
Sept 10-14	<b>EXAM 1 (MONDAY)</b> Human Genetics	11 (pp 200-209)

Sept 17-21	Molecular Genetics	12
	Molecular Genetics	13
	Gene Technology	14
Sept 24-28	Genomics	15
	Cell Technology	16
	<b>EXAM 2 (MONDAY)</b>	
Oct 1-5	Evolution	17
	Taxonomy	18
Oct 8-12	Bacteria & Viruses	19
	Protists	20
Oct 15-19	Animal Diversity	25
Oct 22-26	Animal Diversity	26-27
Oct 29-Nov 2	<b>EXAM 3 (MONDAY)</b>	
	Circulation	29
	Respiration	30
Nov 5-9	Nutrition & Digestion	31
	Osmoregulation	32
Nov 12-16	<b>EXAM 4 (MONDAY)</b>	
	Immunity	33
	Video (Internal Defenses)	
Nov 17-25	FALL RECESS	
Nov 26-30	Endocrine system	35
	Reproduction	36
	Video (Sex and the Healthy Gene Pool)	
Dec 3-7	Human Reproduction & Development	36
	Contraception & STDs	36

**FINAL EXAMS:**

Section 1 Dec. 10, 1:30-3:30 pm

Section 2 Dec. 14, 7-9 am

**Chapters 1-3 will not be covered in detail during lecture, however you will be held responsible for the following terms/concepts introduced in chapters 1-3.**

- \*Properties of life, organization of life (cellular, organismal, populational), emergent properties, deductive reasoning, inductive reasoning, scientific method, cell theory, gene theory, theory of heredity, theory of evolution.
- \*\*Darwin's voyage, natural selection, ecology, levels of ecological organization.
- \*\*\*Atoms, protons, neutrons, electrons, atomic number, atomic mass, element, electron shells, ions, isotopes, radioactive isotopes (uses?), molecules, chemical bonds, ionic bonds, covalent bonds, hydrogen bonds, polar molecules, nonpolar molecules.