

BIOS 209 FUNDAMENTALS OF BIOLOGY II
Spring 2009

Instructors: Dr. Kenneth W. Gasser 1/12 – 2/16, Exam #1
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Text: Biology, 8th edition (2008), by Campbell & Reece

Grading: Exam #1 will account for 33% of your final grade. Exams 2-4 will each account for 23% of your final grade. Exam #1 will be multiple choice; Exams #2-4 may include a mixture of multiple choice and other types of questions.

GRADING SCALE:	90-100%	A
	80-89%	B
	70-79%	C
	60-69%	D
	< 60%	F

The last day to drop BIOS 209/211 is January 16.

The last day to withdrawal from BIOS 209/211 is March 6

(if you drop or withdraw from BIOS 209, you must also drop BIOS 211).

Missed Exams: Students are responsible for all handouts, schedule changes, and other announcements made during lecture. Make up exams will be offered only because of documented: 1) injury or illness; 2) the death of an immediate family member or close friend; or 3) out of town trips for activities scheduled and sponsored by NIU. Please provide notification IN ADVANCE. If, because of circumstances beyond your control, you miss an exam without giving advance notice, contact the instructor as soon as possible after the exam period. Make-up exams will normally be of the essay type.

Scholarly Behavior: Please see the sections on "Academic Integrity" and "Classroom Disruption" on p 51 of the 2008-2009 Undergraduate Catalog, also available at <http://www.reg.niu.edu/regrec/ugcat/>.

Disabilities: If you have a documented disability and wish to discuss academic accommodations please contact the instructor(s).

Web: This syllabus, information on how to succeed in BIOS 209, old exams, and Dr. Duvall's lecture outlines will be available via the biology course notes site < www.bios.niu.edu/course_offering/course.shtml >. Note that merely reading these lecture outlines is a poor substitute for attending class regularly, listening, taking notes and asking questions. There is also a web site associated with the textbook for your use < www.campbellbiology.com >.

Date	Topic	Relevant Chapter/pp in Text
1/12	Introduction	48 (1047-1062)
1/14	Nervous System I	48 (1015-1027)
1/16	Nervous System II	50 (1087-1091)
1/19	MARTIN LUTHER KING DAY	
1/21	Muscle I	50 (1105-1112)
1/23	Muscle II	50 (1105-1112)
1/26	Cardiovascular	42 (900-903)
1/28	Circulation	42 (900-908)
1/30	Respiration I	42 (920-926)
2/2	Respiration II	42 (920-926)
2/4	Excretion I	44 (959-973)
2/6	Excretion II	44 (959-973)
2/09	Chemical Controls I	45 (982-984)
2/11	Chemical Controls II	45 (982-984)
2/13	Reproduction I	46 (1010-1013)
2/16	EXAM #1	
2/18	Introduction	22
2/20	Natural Selection	22
2/23	Evolution Informs Biology	22
2/25	Beyond Darwin/Mechanisms of Evolution	23
2/27	Population Biology	23
3/2	Variation in Populations	23
3/4	Reproductive Barriers/Review	24(487 – 492)
3/6	EXAM #2	
3/9	SPRING BREAK	
3/11	SPRING BREAK	
3/13	SPRING BREAK	
3/16	Speciation	24(492 - 504)
3/18	Paleontology	25
3/20	Bio-Geological Histories	25
3/23	Extinction/Adaptive Radiation	25, 21(445 – 447)
3/25	Phylogenetics—Tree Thinking	26
3/27	Inferring Evolutionary Histories	26
3/30	Molecular Clocks and Tree/Ring of Life	26
4/1	Evolution of Hominids	34(728 – 733)
4/3	Behavior/Review	51(1120 - 1129)
4/6	EXAM #3	
4/8	Social Behaviors	51(1129 - 1142)
4/10	Overview of Ecology	52
4/13	Biomes and Climate	52
4/15	Population Ecology	53
4/17	Human Population Change	53
4/20	Community Ecology	54
4/22	Distrubance, Succession and Biogeography	54
4/24	Ecosystems and Human Impacts	55(1222 – 1224; 1236-1242)
4/27	Human Impacts and Conservation	56
4/29	Conclusion/Review	56
5/1	Reading Day	
5/4	FINAL EXAM (noon)	

