

## BIOS 209 - FUNDAMENTALS OF BIOLOGY II - SPRING 2009

Approximate reading equivalencies between edition eight (as indicated on the syllabus) and edition seven of the Campbell and Reece textbook: *Biology*. In a few cases, additions or deletions of material in the new edition means that there is no longer perfect correspondence of the subject matter between the two editions.

Date	Topic	Edition: Eight	Seven
2/18	Introduction	22	22
2/20	Natural Selection	22	22
2/23	Evolution Informs Biology	22	22
2/25	Beyond Darwin/Mechanisms of Evolution	23	23
2/27	Population Biology	23	23
3/2	Variation in Populations	23	23
3/4	Reproductive Barriers/Review	24(487 - 492)	24(472 - 476)
3/16	Speciation	24(492 - 504)	24(476 - 488)
3/18	Paleontology	25	25
3/20	Bio-Geological Histories	25	25
3/23	Extinction/Adaptive Radiation	25, 21(445 - 447)	25, 21(431-433)
3/25	Phylogenetics—Tree Thinking	26	26
3/27	Inferring Evolutionary Histories	26	26
3/30	Molecular Clocks and Tree/Ring of Life	26	26
4/1	Evolution of Hominids	34(728 - 733)	34(701-707)
4/3	Behavior/Review	51(1120 - 1129)	51(1106-1118)
4/8	Social Behaviors	51(1129 - 1142)	51(1118-1133)
4/10	Overview of Ecology	52	50
4/13	Biomes and Climate	52	50
4/15	Population Ecology	53	52
4/17	Human Population Change	53	52
4/20	Community Ecology	54	53
4/22	Disturbance, Succession and Biogeography	54	53
4/24	Ecosystems and Human Impacts	55(1222 - 1224; 1236-1242)	54(1184-1186; (1200-1206)
4/27	Human Impacts and Conservation	56	55
4/29	Conclusion/Review	56	55