

It's not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change.

Biology 151 Introduction to Biological Sciences			
Tuesday and Thursday			
Lecture	Fall 2009	Bob Pettit	Laboratory
Mandatory Textbook: <i>BIOLOGY Concepts and Connections</i> , 6th Ed., Campbell and Reece, et. al.	Week	Date	Mandatory Laboratory Manual: <i>Inquiry Into Life</i> , 12th Ed. Sylvia Mader
Course Introduction, Policies and Procedures. 1. Biology: Exploring Life	1	Thursday 27, Aug '09	"Lab" means in Lab Manual. "Handout" means not in Lab Manual. Lab 1: Scientific Method
		Tuesday 01, Sep '09	"Lab" means in Lab Manual. "Handout" means not in Lab Manual. Lab 1: Scientific Method
2. The Chemical Basis of Life 3. The Molecules of Cells	2	Thursday 03, Sep '09	Lab 2: Metric - Microscope
		Tuesday 08, Sep '09	Lab 2: Metric - Microscope
	3	Thursday 10, Sep '09	Lab 3: Chemical Composition
		Tuesday 15, Sep '09	Lab 3: Chemical Composition
Lecture Exam I Chapters 1, 2, and 3	4	Thursday 17, Sep '09	Lab 4: Cell Structure and Function
Tuesday 22, Sep '09		Lab 4: Cell Structure and Function	
4. A Tour of the Cell 5. The Working Cell	5	Thursday 24, Sep '09	Handout: Enzymes: What do they do?
		Tuesday 29, Sep '09	Handout: Enzymes: What do they do?
	Lecture Exam II Chapters 4 and 5	6	Thursday 01, Oct '09
Tuesday 06, Oct '09			Lab 7: Cellular Respiration, Lab pages 87-92 Lab 8: Photosynthesis, Lab pages 93-103
6. How Cells Harvest Chemical Energy	7	Thursday 08, Oct '09	Lab 5: Mitosis, Lab pages 59-67, 78
Faculty In-service Day (No Classes Held)		Tuesday 13, Oct '09	Faculty In-service Day (No Classes Held)
6. How Cells Harvest Chemical Energy		Thursday 15, Oct '09	Lab 21: Inheritance, pps: 281-283, 288-292, 296-297
7. Photosynthesis: Using Light to Make Food	8	Tuesday 20, Oct '09	Lab 5: Mitosis, Lab pages 59-67, 78
		Thursday 22, Oct '09	Lab 21: Fruit Fly: Week I: Dihybrid Cross; pps 284-286, 292-29
Lecture Exam III Chapters 6 and 7	9	Tuesday 27, Oct '09	Lab 21: Inheritance, pps: 281-283, 288-292, 296-297
8. The Cellular Basis of Reproduction and Inheritance 9. Patterns of Inheritance 10. Molecular Biology of the Gene 11. The Control of Gene Expression (selected parts) 12. DNA Technology and the Human Genome (selected parts)	9	Thursday 29, Oct '09	Lab 21: Fruit Fly: Week II Handout: Blood Groups
		10	Tuesday 03, Nov '09
	Thursday 05, Nov '09		Lab 21 Fruit fly: Week III Handout: Electrophoresis
	11	Tuesday 10, Nov '09	Lab 21: Fruit Fly: Week II Handout: Blood Groups
		Thursday 12, Nov '09	Lab 24: Evidence of Evolution
	12	Tuesday 17, Nov '09	Lab 21 Fruit fly: Week III Handout: Electrophoresis
Thursday 19, Nov '09		Handout: Predator-Prey Coevolution	
Lecture Exam IV Chapters 8, 9, 10, 11, and 12	13	Tuesday 24, Nov '09	Lab 24: Evidence of Evolution
Thanksgiving		Thursday 26, Nov '09	Thanksgiving
13. How Populations Evolve	13	Tuesday 01, Dec '09	Handout: Predator-Prey Coevolution
14. The Origin of the Species 34. The Biosphere: Earth's Diverse Environments 37. Communities and Ecosystems	14	Thursday 03, Dec '09	Review for Lab Practical
		Tuesday 08, Dec '09	Review for Lab Practical
38. Conservation Biology	15	Thursday 10, Dec '09	Lab Practical
Lecture Exam V Chapters 13, 14, 34, 37, and 38		Tuesday 15, Dec '09	Lab Practical