

## Sample 16-Week SCHEDULE BIOL 1308 Biology Fundamentals

Date	Lecture	Homework
Week 1	Review syllabus & Orientation	Module 1.1 & pp 3, 416-418
	1.1 Levels of Organization	Module 1.2, slides 1-20
Week 2	1.2 Metric System, part 1*	Module 1.2, slides 21-end
	1.2 Metric System, part 2*	Module 2.1 & pp 18-21
Week 3	2.1 Atoms & Elements*	Module 2.2 & pp 22-24
	2.2 Molecules & Bonds*	Module 2.3
Week 4	2.3 States of Matter and Mastery Day	
	Review and Mastery Day	
Week 5	<b>TEST on Unit I: Modules 1.1, 1.2, 2.1, 2.2, 2.3</b> Unit I Objectives Due	Module 3.1 & pp 26-27
	3.1 Properties of water	Module 3.2 & p 25
Week 6	3.2 Solutions, Chemical Reactions & Equations*	Module 3.3 & p 28
	3.3 Acids, Bases and pH*	Module 4.1 & pp 35-36
Week 7	4.1 Functional Groups & Intro to Biomolecules	
	<b>Test on Unit II: Modules 3.1, 3.2, 3.3, 4.1</b> Unit II Objectives Due	Module 4.2 & pp 37-39
Week 8	4.2 Carbohydrates*	Module 4.3 & pp 42-45
	4.3 Proteins*	Module 4.4 & pp 46-47
Week 9	4.4 Nucleic Acids*	Module 4.5 & pp 40-41
	4.5 Lipids*	
Week 10	Review and Mastery Day	
	<b>Test on Unit III: Modules 4.2, 4.3, 4.4, 4.5</b> Unit III Objectives Due	Module 5.1 & p 74
Week 11	5.1 Cell Membrane	Module 5.2 & pp 76-79
	5.2 Membrane Transport*	Module 5.3 & pp 55-67
Week 12	5.3 Organelles*	Module 6.1 & pp 80-84, 91
	6.1 Enzymes, Energy & Metabolism*	Module 6.2 & pp 90-102
Week 13	6.2 Cellular Respiration	
	Review and Mastery Day	
Week 14	<b>Test on Unit IV: Modules 5.1, 5.2, 5.3, 6.1, 6.2</b> Unit IV Objectives Due	Module 7.1 & pp 184-189
	7.1 DNA Biology*	Module 7.2 & pp 190-199
Week 15	7.2 Transcription & Translation*	Module 8.1 & pp 126-132
	8.1 Cell Cycle and Mitosis*	Module 8.2 & pp 136-143 Module 9.1 & pp 419-426
Week 16	8.2 Meiosis* & 9.1 Homeostasis & Body Systems	
	<b>TEST on Unit V: 7.1, 7.2, 8.1, 8.2, 9.1</b> Unit V Objectives Due	

\*Class activities for these days will be collected and graded. If absent, bring to next class.