

Biology A- Micro Cellular Content Calendar

UNIT	≈ Week	TOPICS	Textbook Chapter Coverage
Biology Overview & Biochemistry	1-2	Introductions & Class Information Interactive Notebook & Note skills Laboratory Safety Safety Contract Characteristics of Life Scientific & Engineering Practices Basic Chemical Structure & Chemical Bonding Water Properties Organic Macromolecules	Appendix: A1-A3 1.3 1.1-1.2, Appendix: A8-33 2.1 2.2 2.3-2.4
Cell Structure & Function	3-4	Cell Theory Cell Structure & Function Microscope Techniques Cell Transport & Communication	8.1 8.2 Appendix: A4-A5 8.3-8.4
Cellular Energy	5-6	Cellular Energy Molecules & Energy Conversions Photosynthesis Cellular Structures & Process Cellular Respiration Cellular Structures & Process Cycling Materials in Ecosystem	9.1 9.2-8.3 10.1-10.3
Cell Division & Mendelian Genetics	7-9	Cell Growth & Reproduction Cell Cycle Cell Differentiation Meiosis Introduction to Genetics Patterns of Inheritance Monohybrid & Dihybrid Crosses Sex-linked Crosses Pedigrees	11.1 11.2-11.3 11.4 12.4 (pgs 393-297) 12.1-12.2 12.1-12.3, 15.1 12.2 (pgs 386) 15.1 (pg 477) 15.1 (pgs 478-479), 15.2
Molecular Genetics	10-12	DNA Structure Discovery DNA Structure & Function DNA Replication RNA Structure & Function Protein Synthesis Gene Regulation & Expression Mutation Human Genome Biotechnology Biotechnology Project	13.1 13.2 13.3 14.1 14.2 14.3 14.4, 15.2 (pgs 482-484, 15.2 16.2-16.4