

Biology 112 Course Outline

Unit 1: The Cell

Topics: 1. *Development of cell theory, text sections 1-2, 7-1.* 2. *Microscope use, text section, Appendix D.* 3. *A closer look at cells, text sections 7-1, 7-2, 7-4.* 4. *Photosynthesis and respiration, text sections 8-1, 8-2, 8-3, 9-1, 9-2.* 5. *Cell membrane, text section 7-3.* .

Quick Lab, page 180

Quick Lab, page 206

Quick Lab, page 231

Quick Lab, page 187

Exploration, page 194-195

Analyzing Data, page 213

Analyzing Date, page 188

Unit 2: Biodiversity

Topics: 1. *Principles of Taxonomy, text sections 18-1, 18-2, Appendix F.* 2. *Characteristics of major groups, text sections 1-3, 19-2, 18-3, Appendix E.* 3. *Detailed look at plants and animals, text sections 22-1, 22-2, 22-3, 22-4, 22.5, 25-2, 25-3, 29-1, 29-2, 28-1, 28-2, 30-1, 33-1, 33-2, 33-3.*

4. *Biodiversity within ecosystems, text sections 6-3, 5-3, 6-1.*

Writing in Science, page 450

Quick Lab, page 453

Quick Lab, page 613

Quick Lab, page 640

Quick Lab, page 153

Grasshopper Dissection

Earthworm Dissection

Frog Dissection

Real World Lab, page 462-463

Technology and Society, page 456

Writing in Science, page 731

Analyzing Data, page 855

Unit 3: Maintaining Dynamic Equilibrium

Topics: 1. *Homeostasis, text sections 35-1, Digestive system, text sections 2-3, 38-1, 2-4, 38-2, 38-3*

2. *Circulatory system, text sections 37-1, 37-3.* 3. *Respiratory system, text sections 40-3.* 4. *Immune system, text sections 40-1, 40-2, 40-3.*

Thinking visually, page 896

Quick Lab, page 982

Quick Lab, page 960

Analyzing Data, page 51

Design an Experiment, page 54

Final Mark = 70% Summative Assessment+30% Final Assessment

Note: Three tardies counts as one absence. If you miss 7 days or fewer in all classes and have completed all the requirements for the course, including a passing grade, you may choose to take 15%, 30% or 50% on your final assessment, whichever gives you the highest grade.