

VALDOSTA STATE UNIVERSITY
BIOLOGY 1107: Principles of Biology I
Fall 2018—

TENTATIVE LAB SCHEDULE AND TOPICS

August 16	Exercise 1: The Black Box
August 23	Exercise 2: Basic Light Microscopy
August 30	Exercise 3: Observing Living Cells Exercise 4: Semi-Independent Microscope project—Part I
September 6	LABOR DAY – NO LABS (work on proposals)
September 13	Exercise 5: Cellular Water Relations Exercise 4: Semi-Independent Microscope project—Part II
September 20	Exercise 4: Semi-Independent Microscope project—Part III
September 27	Exercise 6: Protein Extraction and Quantification
October 4	Exercise 7: Enzymology—Measuring α -amylase Activity
October 11	FALL BREAK – NO LABS
October 18	Exercise 8: Enzymology—Investigation of Temperature and pH
October 25	Exercise 9: Photosynthesis
November 1	Exercise 10: Cell Reproduction
November 8	Exercise 12: DNA fingerprinting Exercise 13: Genetically modified food
November 15	Exercise 14: Transformation of <i>E. coli</i> with pGLO
November 22	THANKSGIVING – NO LABS
November 29	Data analysis, end of course assessment