

Spokane Falls Community College
COURSE LEARNING OUTCOMES

Prefix and Course Number:	BIOL 270
Course Title:	Biological Investigation
Version Date: mm/dd/yyyy	1.14.21

Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. Interpret scientific literature
2. Recognize the basics of generating a question that can be answered through scientific investigation, and developing and testing hypotheses.
3. Design and conduct authentic experiments based on established research strategies and scientific methods.
4. Analyze quantitative data and apply statistical analyses.
5. Present experimental findings in both written and oral form, summarizing data and statistical tests in appropriate figures.
6. Organize, record, analyzed, and evaluate lab protocols, and experimental data in a laboratory notebook.
7. Develop the skills to critically think about research methodology and scientific investigations.
8. Review and revise personal knowledge gained from experiment design, protocols performed, data acquired and analyzed, and conclusions drawn from authentic research experience.