J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: BIO 147   Credits: 1

Course Title: Basic Laboratory Calculations for Biotechnology

Course Description:

Prepares students to work effectively in a scientific laboratory through instruction of the metric
system, scientific notation, exponents, solution making, pH readings, and the creation of
standard curves for data analysis. Focus will be on quantitative skills needed to perform most
basic laboratory work. Skills will be practiced and reinforced through application-based s
time for instruction in this area.
and conversions.

Course Prerequisites and Co

None

Student Learning Outcomes:
Upon completing the course, th

- x Use metric system appr
- x Demonstrate competen
     analyses
- x Convert numbers to sci
- x Perform calculations wi
- x Perform solution making
- x Describe the concept of
- x Create and analyze a s
- x Represent data graphic
- x Perform basic statistica
- x Use and interpret data
- x Calculate amounts of n
- x Describe and create flo
- x