COURSE OBJECTIVES

1. Develop good laboratory techniques by using equipment properly, recording data accurately and completely and neatly, keeping lab work space clean and organized, and working safely.

2. Clearly think about what is determined and why the method used is chosen in the analysis and/or what method may have worked better.

3. Write high quality quantitative lab reports in which the results are thoroughly analyzed and presented.

4. Gain a foundation of error analysis and apply in scientific analysis.

5. Adapt and show improved critical scientific thinking (including data and error analysis and interpretation) during experimentation and writing lab reports throughout the semester.