CHM 3120L - INTRODUCTION TO ANALYTICAL CHEMISTRY LABORATORY

Spring, 2010

CHM 3120L is the laboratory portion of ***Introduction to Analytical Chemistry***. The primary goal of this course is to teach experimental techniques used in modern chemical analysis. The basic principals of each experiment are described in an on-line, interactive manual developed by analytical faculty in the FSU Department of Chemistry & Biochemistry. The manual also includes detailed instructions to be followed in the lab, and a Report document that can be downloaded and filled in after completion of the experiment. Because of the importance of computer-assisted data analysis and transfer in modern analytical chemistry, one computer-based experiment is included that requires calculations using a spreadsheet program (e.g. Excel) to solve an analytical problem. Successful completion of this assignment and the laboratory experiments satisfies the ***Computer Skills Competency*** requirement of the Florida State University Liberal Studies Program. Please NOTE that here, **successful completion means a grade of at least 60%.**

Eight experiments will be performed in the laboratory. Grades for each will be assigned by the laboratory instructors based on results of determinations on unknowns. These results are summarized in a laboratory report that **is due at the beginning of the first laboratory meeting the week after the experiment is completed**. The Laboratory Manual includes a detailed description of what should be included in the report for each experiment. You must also keep a laboratory notebook in which all data and observations related to the experiment should be recorded. Laboratory instructors will review your notebook at the end of each experiment for completeness. Guidelines for keeping a notebook can be found in the *Introduction to Analytical Chemistry* course textbook. Your notebook should be permanently bound with consecutively numbered pages. **Note also that you must complete and pass an on-line pre-lab quiz no later than 12:00 Noon Monday before each experiment to be admitted to the laboratory.**

Grading: 8 Experiments (10% each, 80% total)
8 Pre-lab quizzes (2.5% each, 20% total)

Scale
90-100 A
80-89 B
70-79 C
60-69 D
0-59 F