

**INDIAN RIVER STATE COLLEGE
CHEMISTRY 1046L
FALL SEMESTER 2014**

Course Title: General Chemistry II Lab

Course Prefix: CHM 1046L

Instructor: Mr. Michael P. Jones

Office: Science Center N-307

Telephone: (772) 462-7855

E-Mail: mjones@irsc.edu

Office Hours: Available during Posted Hours

Additional Hours Available by Appointment

Course Description: CHM 1046 L is the laboratory for CHM 1046 lecture and will give students an opportunity to verify, on a first-hand basis, the chemical concepts covered in CHM 1046. The student will also learn to collect and analyze data using basic chemical laboratory techniques.

Course Objectives: After completing this course, the student will be able to:

- Follow the scientific method to solve problems
- Use the metric system for lab measurements
- Learn how to use common laboratory equipment
- Handle and dispose of chemicals in a safe manner
- Record data, results, and conclusions

Learning outcomes: Upon successful completion of this course, the student should be able to apply critical thinking to problem-solving in chemistry.

Attendance: Attendance of the laboratory is **MANDATORY**. There are no make-up labs.

Class Conduct: classes will begin and end on time. Lab officially begins when I start my pre-lab presentation. If a student is more than 20 minutes late, the student will be credited with a missed laboratory.

Cheating/Plagiarism: Anyone caught cheating or plagiarizing will get an immediate F for the course and will be reported to the Vice President of Student Affairs

Grades: Determination of the final grade for the course will be based upon unknown analysis, lab technique, and results, as well as a final exam. The grade distribution will be as follows:

Unknown Analysis	33.3%
Lab Reports & Technique	33.3%
Lab Final	33.3%

The final letter grade will be based on the following scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	<60%

Final Exam: The final exam will cover calculations pertinent with each laboratory experiment. **The final exam CANNOT be made up.**

Accessibility Statement: In compliance with the Rehabilitation Act of 1973, Section 504, and the American Disabilities Act of 1990, professional disability specialists and support and Student Disability Act (SDS) facilitate a comprehensive range of academic support services and accommodations for qualified student with disabilities. IRSC offers many disability resources at on-campus labs. Students who wish to request an accommodation for a documented disability should contact the SDS at 772-462-7782 or 772-462-7808.

Non-Discrimination and Non-Harassment Policy

Indian River State College is committed to maintaining a fair and respectful employment and educational environment. In accordance with federal, state, and local equal opportunity laws, Indian River State College prohibits discrimination on the basis of race, color, national origin, ethnicity, sex, religion, age, disability, sexual orientation, marital status, veteran status, or genetic information.

TENTATIVE LABORATORY SCHEDULE (Tuesday)

DATE	EXPERIMENT
August 26	Mercury, Silver, and Lead
September 2	Unknown Analysis
September 9	Potassium, Calcium, and aluminum
September 16	Unknown Analysis
September 23	Iron, Chromium, and Lead
September 30	Unknown Analysis
October 7	Various Anions
October 14	Unknown Analysis
October 21	Cumulative Analysis
October 28	Heat of Fusion
November 4	Molecular Weight determination by freezing point depression
November 11	VETERAN'S DAY (NO LAB)
November 18	Identification of a Polyprotic Acid
November 25	Chemical Kinetics
December 2	Solubility determination of an Unknown Salt
December 9	LAB FINAL