

**INDIAN RIVER STATE COLLEGE
CHEMISTRY 1045L
FALL SEMESTER 2014**

Course Title: General Chemistry I Lab

Course Prefix: CHM 1045L

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 1045L is the laboratory for CHM 1045 lecture and will give students an opportunity to verify, on a first-hand basis, the chemical concepts covered in CHM 1045. The student will also learn to collect and analyze data using basic chemical laboratory techniques.

Learning Outcome: Upon successful completion of this course, the student will be able to apply critical thinking skills 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 on laboratory technique and reports, as well as a midterm and a final exam. The grade distribution will be as follows:

Lab Technique & Reports	50%
Midterm Exam	25%
Final Exam	25%

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%

Midterm & Final Exam: The midterm & final exams will cover the calculations pertinent to each laboratory experiment. The laboratory midterm will cover the first series of experiments and the final will cover the remaining experiments. **The midterm & final cannot be made up.**

Accessibility Statement: In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, professional disability specialists and support staff at the Student Disability Services (SDS) facilitate a comprehensive range of academic support services and accommodations for qualified students 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 772-462-7608.

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,

CHM 1045 L TENTATIVE SCHEDULE (Monday)

DATE	EXPERIMENT
Sept 8	Check-In, Significant Figures/Density Measurements
Sept 15	Introduction to Spectroscopy
Sept 22	Percent Composition
Sept 29	Water of Hydration
Oct 6	KClO ₃ Analysis
Oct 13	Synthesis of Aspirin
Oct 20	LAB MIDTERM
Oct 27	Titration of Vinegar
Nov 3	Analysis of Hydrogen Peroxide solution
Nov 10	Specific Heat and Calorimetry, Hess's Law
Nov 17	Production of Hydrogen Gas
Nov 24	Review
Dec 1	Determination of Molar Mass
Dec 8	LAB FINAL