

Chemistry 1152 Laboratory

Course Syllabus: Summer 2015

Text: Laboratory Manual will be given out during the first lab.

Required Laboratory Materials: Safety glasses or goggles

Professor: Maged Henary, 404-413-5566, mhenary1@gsu.edu

LECTURE: M, W, 8:45-9:30 am (Natural Science Center, 218); Read assignments before lecture

OFFICE HOURS: after lecture or by appointment

LAB: M, W, 9:40-11:40 pm. (Natural Science Center, 234): Note: lab meets after the lecture

Grading: The laboratory portion of this course is worth 200 points (**25% of your total***).

Grades for the laboratory portion of CHEM 1152 consist of:

	<u>Total Point</u>
Prelab Summaries	20
Weekly Laboratory Work Questions and calculations (12 each)	120
Laboratory Final Exam	<u>60</u>
	200

*** You must attend your laboratory section. At the end of the semester, your lab instructor will give a list of your grades to your lecture instructor.**

June 15	Check-in, Orientation and Safety Video
June 17	Safety Quiz, Molecular Conformations and Structural and Geometric Isomerism
June 22	Density Measurements and Specific Gravity
June 24	Determination of Some Physical Properties of Organic Compounds
June 29	Titration of Antacid
July 1	Characterization of Purified and Commercial Aspirin
July 3	HOLIDAY
July 6	Stereoisomerism
July 8	Characterization and Hydrolysis of Carbohydrates
July 13	Saponification of Lipids
July 15	Proteins: Characterization and Denaturation
July 20	Enzymatic Catalysis
July 22	Laboratory Final Exam and check out

Class Attendance and Preparation: Attendance is recorded every week. It is state law that all students must sign in and out of the laboratory every week. **You are encouraged not to miss class, because it is difficult to “catch up” once you fall behind.**

There are **no make-up Quizzes or Exams, however only ONE** missed lab experiment will be granted for **EXCUSED** absences. Written permission from your lab instructor is required to make up a missed lab but the student can only attend another lab section and make up a missed lab experiment within one week of the scheduled lab time and if a space in the other lab available. **I really did not recommend any absences during this lab in summer semester.**

Each week you are required to bring into prelab lecture an **outline (brief not over one page) detailing the experiment to be performed that day (two points/experiment).**

Questions and lab calculations should be returned at the end of the same day of the experiment to obtain a full credit (10 points for each experiment).

Laboratory assignments are listed in the laboratory manual. We will follow the order of experiments listed unless you are told differently in the prelab lecture.

The University requires that faculty members must, on a date after the midpoint of the course, to be set by the Provost (or his designee):

1. Give a WF to all those students who are on their rolls but no longer taking the class.
2. Report the last day the student attended class or turned in an assignment.

Chemistry Department Policy on Student Conduct and Integrity: The Georgia State University Policy on Academic Honesty is in force in this course. This includes but is not necessarily limited to infractions in the area of plagiarism, cheating on examinations, unauthorized collaborations, falsification and multiple submissions. This policy is published in *On Campus: The Student Handbook*, which is available to all members of the university community.

All examinations must represent your **individual effort**, with no unauthorized aid. To either give or receive unauthorized information during an examination is cheating, as is the use of any unauthorized supplementary material. In addition, all laboratory work performed in conjunction with this course must represent your individual effort. Only original data obtained by your own in-laboratory experimentation are permitted to be used, except when expressly authorized by your laboratory instructor. Data from supplementary sources, handbooks, reference literature, etc. must be clearly referenced (title, author, volume, page(s), etc.). Falsification or destruction of data constitutes cheating as well. Conduct disruptive of class, examinations, or laboratories is a violation of policies of the Board of Regents of the University System of Georgia and the Georgia State University Student Code of Conduct, Section 6.0. Any suspected offenses may be referred to the Chairman of the Department or the Dean of Students for appropriate disciplinary action.

Syllabus and Assignments: The foregoing provides a general plan for the course, deviations from which may be necessary. The instructor will announce any such changes in class.

Electronics:

No any cell phone, I Pads, or computers or any kind of electronics will be used during the prelab lecture.