

Chemistry 116 – General Chemistry II Laboratory
Sam Houston State University
Summer II 2008
Dr. Donovan C. Haines

Course Information

Section 11: MoWe 1:00-2:50
Section 12: TuTh 1:00-2:50

Meets in CFS 107

Note: Section 12 does not meet on 7/8/2008 and Section 11 does not meet on 8/6/2008 to keep the schedules of the sections synchronized.

Instructor Information

Dr. Donovan C. Haines

Office: CFS 317F Phone: To Be Announced

Email: haines@shsu.edu

Office hours (tentative – listen in class for any changes):

MoWeFr 8:30 am - 9:30 am

TuTh 4:00 pm – 5:00 pm

Required Materials

Chemistry 116 Laboratory Manual

Lab goggles (see section on safety)

Lab Safety

PRIOR TO COMING TO LABORATORY, YOU MUST HAVE A PAIR OF DEPARTMENT APPROVED SAFETY GOGGLES. These goggles must be worn at all times in the laboratory. You will not be allowed to participate in the day's experiment or activities without safety goggles and will be counted absent with the loss of points associated with the experiment. Accidents occasionally happen, and chemical splatter is a common hazard in chemistry labs. Because of this, **SHORTS AND OPEN SHOES WILL NOT BE ALLOWED IN THE LAB.** Long hair must be tied back. If you show up for lab in shorts or open toes shoes you will not be allowed to participate and will be given a zero for that lab. More extensive safety requirements are located in the first few pages of your lab text and will be discussed the first day of class.

Attendance Policy

No make-ups are possible. If you miss a class period a grade of zero will be recorded for any experiment assigned for that day. Missing two labs will mean automatic failure for the course.

Course Description

This course will provide laboratory experience in the areas of equilibria, kinetics, oxidation-reduction reactions, and thermodynamics.

Course Objectives

- Have factual knowledge about the physical and chemical characteristics of several classes of organic and biological molecules
- Have the laboratory skills needed to use specific tests for the determination of elements, molecules, or classes of molecules

Lab Schedule

Dates	Experiment Number	Title
July (7)/8	No lab	No lab
July 9/10	1	Check-in and Exp 1: Comparison of Properties of Organic and Inorganic Compounds
July 14/15	3	Solubility Properties of Organic Compounds
July 16/17	4/5	Reactions of Hydrocarbons / Properties and Reactions of Alkyl Halides
July 21/22	6/7	Reactions of Alcohols / Aldehydes and Ketones
July 23/24	8/9	Oxidation of Sugars by Benedict's Reagent / Carboxylic Acid Esters
July 28/29	10/11	Properties of Carboxylic Acids / Chemistry of Amines
July 30/31	12/13/17	Chemistry of Amides / Properties of Carbohydrates / Seilwanoff's Test
August 4/5		Check-out and Final Examination

Grading

You may miss one class day, which is typically 2 lab experiments. If you do not miss any days, your lowest day (two experiments) and one quiz will drop:

Attendance and Participation:	6 points for each lab day (best 6/7)	36
Quizzes:	6 points for each quiz (best 6/7)	36
Final Exam:	28 point final	28

Total: 100 points possible

Course Letter Grade	Total Points Required
A	>= 153
B	>= 136
C	>=119
D	>=102
F	<102

University Wide Policies

Additional details can be found at <http://www.shsu.edu/syllabus/>.

ACADEMIC DISHONESTY:

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. For a complete listing of the university policy, see:

<http://www.shsu.edu/administrative/faculty/sectionb.html#dishonesty>

STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY:

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Section 51.911 (a) (2) defines a religious holy day as: "a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20...." A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see:

http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf

STUDENTS WITH DISABILITIES POLICY:

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the Office of Services for Students with Disabilities located in the Counseling Center . They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Counseling Center . For a complete listing of the university policy, see:

http://www.shsu.edu/~vaf_www/aps/811006.pdf

VISITORS IN THE CLASSROOM:

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.