General Chemistry II -- Lab

CHEM-1112

Fall 2011
08/22/2011 - 12/11/2011

Course Information

Section 004
Laboratory
W 7:40AM - 10:20AM
CYP1 1132
Madan Mohan
mohan@austincc.edu
(512) 223.2114

Section 104
Laboratory
M 7:30AM - 10:20AM
CYP1 1132
Madan Mohan
mohan@austincc.edu
(512) 223.2114

Office Hours

- T Th
  12:00PM - 2:00PM
  CYP Bldg. # 2201; Room # 12

COURSE SUBJECTS

This course is the laboratory to accompany CHEM 1312 lecture. Stresses the quantitative aspects of kinetics, chemical equilibria, acid-base theories, coordination complexes, thermodynamics, and electrochemistry.

COURSE REQUIREMENTS

Prerequisites: CHEM 1411 (1311) and MATH 1314. Corequisite: CHEM 1312.

REQUIRED TEXTS/MATERIALS


CALCULATOR

You will need a scientific or graphing calculator for lab activities.

Attendance/Class Participation
Regular and punctual class and laboratory attendance is expected of all students. If attendance or compliance with other course policies is unsatisfactory, the instructor may withdraw students from the class.

Withdrawal Policy

It is the responsibility of each student to ensure that his or her name is removed from the roll should he or she decides to withdraw from the class. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary. If a student decides to withdraw, he or she should also verify that the withdrawal is submitted before the Final Withdrawal Date (November 17, 2011). The student is also strongly encouraged to retain their copy of the withdrawal form for their records.

Students who enroll for the third or subsequent time in a course taken since Fall, 2002, may be charged a higher tuition rate, for that course.

State law permits students to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the ACC college catalog.

Incompletes

An instructor may award a grade of “I” (Incomplete) if a student was unable to complete all of the objectives for the passing grade in a course. An incomplete grade cannot be carried beyond the established date in the following semester. The completion date is not later than the final deadline for withdrawal in the subsequent semester.

READINGS

Preparation before lab:

- You must write a stepwise procedure before lab. It is not graded or worth any points.
- However, you cannot perform the lab without the procedure.
- You must complete the advanced study assignments (ASA) before lab. It is worth 5 points. It will be checked at the beginning of lab (for completion), and will be turned in for grading at the end of lab. You must show all calculations the space provided or on a separate piece of paper. No credit for late ASA.

During lab:

- Data/calculation page is worth 20 points and will be completed in lab, and turned in the same day. You must show your calculations.

STUDENT LEARNING OUTCOMES/LEARNING OBJECTIVES

Your final grade will be based on the results of your 13 labs and final quiz which is worth of 20% of total lab points. There are no makeup labs. There is no extra credit available.

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<th>LAB OUTLINE/CALENDER week of:</th>
<th>Activity</th>
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<tr>
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<td>Introduction and Lab Techniques</td>
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<td>Aug. 29 – Sept. 01</td>
<td>Safety</td>
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<td>Sept. 06-08</td>
<td>Experiment 28 – Determination of iron by Redox Titration</td>
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<tr>
<td>Sept. 12 -15</td>
<td>Experiment 47 – Hardness of Water</td>
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<td>Date Range</td>
<td>Experiment</td>
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<td>Sept. 19 - 22</td>
<td>Experiment 19</td>
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<td>Sept. 26 - 29</td>
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<td>Oct. 03 - 06</td>
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<td>Oct. 10 - 13</td>
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<td>Oct. 17 - 20</td>
<td>Experiment 51</td>
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<td>Oct. 24 - 27</td>
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<td>Oct. 31 - Nov. 04</td>
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<td>Nov. 07 -10</td>
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<td>Nov. 14 - 17</td>
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<td>Nov. 21 - 27</td>
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<td>Nov. 28 – Dec. 01</td>
<td>Experiment 41</td>
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<td>Dec. 05 - 08</td>
<td>Continue 41 &amp; Lab Final (Quiz)</td>
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**Statement on Scholastic Dishonesty**

A student attending ACC assumes responsibility for conduct compatible with the mission of the college as an educational institution. Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression. Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations. Actions constituting scholastic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, collusion, and falsifying documents. Penalties for scholastic dishonesty will depend upon the nature of the violation and may range from lowering a grade on one assignment to an “F” in the course and/or expulsion from the college. See the Student Standards of Conduct and Disciplinary Process and other policies at [http://www.austincc.edu/current/needtoknow](http://www.austincc.edu/current/needtoknow).

**Statement on Students with Disabilities**

Each ACC campus offers support services for students with documented disabilities. Students with disabilities who need classroom, academic or other accommodations must request them through the Office for Students with Disabilities (OSD). Students are encouraged to request accommodations when they register for courses or at least three weeks before the start of the semester, otherwise the provision of accommodations may be delayed.

Students who have received approval for accommodations from OSD for this course must provide the instructor with the ‘Notice of Approved Accommodations’ from OSD before accommodations will be provided. Arrangements for academic accommodations can only be made after the instructor receives the ‘Notice of Approved Accommodations’ from the student.

Students with approved accommodations are encouraged to submit the ‘Notice of Approved Accommodations’ to the instructor at the beginning of the semester because a reasonable amount of time may be needed to prepare and arrange for the accommodations.

Additional information about the Office for Students with Disabilities is available at [http://www.austincc.edu/support/osd/](http://www.austincc.edu/support/osd/).

**Safety Statement**

*Austin Community College is committed to providing a safe and healthy environment for study and work. You are expected to learn and comply with ACC environmental, health and safety procedures and agree to follow ACC safety policies. Additional information on these can be found at [http://www.austincc.edu/ehs](http://www.austincc.edu/ehs). Because some health and safety circumstances are beyond our control, we ask that you become familiar with the Emergency Procedures poster and Campus Safety Plan map in each classroom. Additional information about emergency procedures and how to sign up for ACC Emergency Alerts to be notified in the event of a serious emergency can be found at [http://www.austincc.edu/emergency/](http://www.austincc.edu/emergency/).*
Please note, you are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.

**Student Rights and Responsibilities**

Students at the college have the rights accorded by the U.S. Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility to accord the same rights to others in the college community and not to interfere with or disrupt the educational process. Opportunity for students to examine and question pertinent data and assumptions of a given discipline, guided by the evidence of scholarly research, is appropriate in a learning environment. This concept is accompanied by an equally demanding concept of responsibility on the part of the student. As willing partners in learning, students must comply with college rules and procedures.

**Statement on Academic Freedom**

"Institutions of higher education are conducted for the common good. The common good depends upon a search for truth and upon free expression. In this course the professor and students shall strive to protect free inquiry and the open exchange of facts, ideas, and opinions. Students are free to take exception to views offered in this course and to reserve judgment about debatable issues. Grades will not be affected by personal views. With this freedom comes the responsibility of civility and a respect for a diversity of ideas and opinions. This means that students must take turns speaking, listen to others speak without interruption, and refrain from name-calling or other personal attacks."

**Student Discipline Policy**

"Students at the College have the rights accorded to all persons under the Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility for each individual to accord the same rights to others in the College community and not to interfere with or disrupt the educational process. As willing partners in learning, it is expected that students will comply with College rules and procedures. ACC students are recognized as responsible persons who neither lose the rights nor escape the responsibilities of citizenship. Enrollment in the College indicates acceptance of the rules set forth in this policy, administered through the office of the Campus Dean of Student Services. Due process, through an investigation and appeal process, is assured to any student involved in disciplinary action.

**Use of ACC email**

All College e-mail communication to students will be sent solely to the student’s ACCmail account, with the expectation that such communications will be read in a timely fashion. ACC will send important information and will notify you of any college related emergencies using this account. Students should only expect to receive email communication from their instructor using this account. Likewise, students should use their ACCmail account when communicating with instructors and staff. Instructions for activating an ACCmail account can be found at http://www.austincc.edu/accmail/index.php.

**Testing Center Policy**

Under certain circumstances, an instructor may have students take an examination in a testing center. Students using the Academic Testing Center must govern themselves according to the Student Guide for Use of ACC Testing Centers and should read the entire guide before going to take the exam. To request an exam, one must have:

- ACC Photo ID
- Course Abbreviation (e.g., ENGL)
- Course Number (e.g., 1301)
- Course Synonym (e.g., 10123)
- Course Section (e.g., 005)
- Instructor's Name
Do NOT bring cell phones to the Testing Center. Having your cell phone in the testing room, **regardless of whether it is on or off**, will revoke your testing privileges for the remainder of the semester. ACC Testing Center policies can be found at [http://www.austincc.edu/testctr/](http://www.austincc.edu/testctr/)

**Student And Instructional Services**

ACC strives to provide exemplary support to its students and offers a broad variety of opportunities and services. Information on these services and support systems is available at: [http://www.austincc.edu/s4/](http://www.austincc.edu/s4/)

Links to many student services and other information can be found at: [http://www.austincc.edu/current/](http://www.austincc.edu/current/)

ACC Learning Labs provide free tutoring services to all ACC students currently enrolled in the course to be tutored. The tutor schedule for each Learning Lab may be found at: [http://www.austincc.edu/tutor/students/tutoring.php](http://www.austincc.edu/tutor/students/tutoring.php)

For help setting up your ACCeID, ACC Gmail, or ACC Blackboard, see a Learning Lab Technician at any ACC Learning Lab.