

Syllabus for CHEM 10, Elementary Chemistry

Reedley College
Instructor: Mrs. Jodi Kawagoe

Section 57787
Office Hours: by appointment

Spring 2011
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Class times:	Lecture: MW 10:00 am – 10:50 am in CCI 203 AND F 10:00 am – 10:50 am in LFS-B Lab: F 11:00 am – 1:50 pm in PHY 82
Texts:	Zumdahl and DeCoste, <i>Basic Chemistry</i> , 7 th edition Corwin, <i>Introductory Chemistry: Concepts & Connections</i> , Laboratory Manual, 5 th edition
Materials:	Safety goggles & scientific calculator (with exponential notation and logarithms)
Holidays:	Mon, Jan. 17; Fri, Feb. 18; Mon, Feb. 21; Apr. 18 to Apr. 22

Course Objectives

This course covers basic principles of chemistry with emphasis on the quantitative concepts. It is recommended for students planning to take CHEM 3A and CHEM 1A who do not have a strong background in high school chemistry.

Course Advisories

Eligibility for ENGL 125 and MATH 103

Drop Date

The drop date is Friday, Mar. 11, 2011. After that date the instructor is required to assign a letter grade that will appear on your transcript. If you plan to drop the class, you should do so yourself. Do not depend on the instructor to drop you because of nonattendance. Students with an F average or a poor attendance record at the drop date should discuss their status with the instructor; the instructor may drop such students.

Success in Chemistry

To be successful in this class you will need to study at least 6 hours each week outside of the classroom. This time will include reading, studying, and preparing homework assignments. Preparing labs will require additional time. It is essential that you listen effectively and that you take good lecture notes in class. **Read the assigned material before coming to class** and be prepared to ask questions during the lecture. Chemistry is a cumulative subject; later topics require a good understanding of the earlier material. **It is essential that you not fall behind in your work.**

Attendance

Attendance in lecture and lab is mandatory. A student may be dropped for poor attendance in lecture without prior consent of the instructor. **ALWAYS inform the instructor ahead of time if you have to miss a quiz or exam.** Without prior notification your grade is a zero.

Tardiness, leaving early and sleeping during lecture or lab sessions are considered disruptive behavior and will result in an absence being recorded. Students will need to sign the attendance sheet within the first 10 minutes of class.

What to bring to class

To each class meeting, bring your textbook, paper for taking notes, pen or pencil, and your calculator. Please turn cell phones and pagers to silent. They are disruptive to the whole class. No cell phones, MP3 players or iPods will be allowed during exams. You will not be allowed to use your cell phone as a calculator during exams.

Homework

Homework will be assigned each class period. It is essential to your success in this class that you do all the assigned homework. Homework will be collected at each exam; do NOT wait until the night before the exam to do all the homework. Homework will not be graded but will be checked for completeness. Extra credit of 2% on the overall course grade will be given if 80% of the homework assignments are completed and turned in. Each assignment is given a number. **You must write the assignment number on your paper to receive credit.**

Quizzes

A take-home quiz will be assigned for each chapter (except chapter 1). These quizzes will be available on Blackboard and will contain questions similar to those that will be on the exams and. Quizzes turned in late will be penalized 10% for each class day they are late. No quizzes will be accepted after the quiz has been graded and returned. There will be no makeup quizzes. The lowest quiz score for the semester will be dropped.

Exams

Four equally weighted exams will be given plus a cumulative final exam. No exam scores will be dropped and no makeup exams will be allowed unless you notify the instructor **before the exam begins** (email, text 393-1654, or call 638-3641 and have the receptionist leave a note in my mailbox). Exam dates will not change but the chapters covered on each exam could change. If your cell phone rings during an exam you will lose 5% on the exam; if you are caught using your phone during an exam you will receive a zero for that exam.

Exam 1	Monday, February 7 on chapters 1-5
Exam 2	Monday, March 7 on chapters 6-8
Exam 3	Friday, April 8 on chapters 9-12
Exam 4	Wednesday, May 11 on chapters 13-15
Final	Wednesday, May 18 from 10:00 – 11:50 am

Lab Reports

Lab work will follow as closely as possible the material discussed in the lectures. The lab grade is 25% of the total grade. Lab reports will be due at the end of each lab period. Late labs will be penalized 25%. The lowest lab score of the semester will be dropped. Any missed labs will receive a grade of zero. Makeup labs will be allowed only in extreme circumstances.

Grading

The grading scale will be based on a straight percentage:

A	= 100% - 90%
B	= 89% - 80%
C	= 79% - 70%
D	= 69% - 60%
F	= 59% - 0%

The final grade will be calculated as follows:

Average of exams	45%
Final exam	20%
Average of quizzes	10%
Lab grade	25%

No one who fails the lab portion of this course will receive a grade higher than a D for the class.

Cancelled Classes

If I have to cancel a class there will be an **official** card from the college on the door and a notice on the internet (<http://blackboard.reedleycollege.edu>) stating that the class is cancelled.

Blackboard

You are strongly encouraged to make use of Blackboard. It is like a virtual blackboard on the internet where I can post announcements. You can find the course syllabus, lecture and lab schedules, lecture notes, homework assignments, and quizzes. It is especially useful when you need to miss class or have misplaced your notes. Please see me if you need help with Blackboard.

Academic Dishonesty

Cheating is one of the worst things you can do in college. **The penalty for cheating is a zero for both the originator and the copier for that assignment or exam.** Anyone caught cheating will have to meet with the instructor to discuss continued enrollment in the class. In addition to the point penalty, cheating may be reflected on your academic record, you may be dropped from the class, or you may be banned from Reedley College.

I encourage you to work with each other on homework. However, working together is not the same as copying someone's work. You don't learn anything by copying work. Allowing someone to copy your work is also cheating.

Accommodations

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

In the lab:

- Dangerous behavior in the lab will result in the student being asked to leave the lab.
- Each student needs to bring their own copy of the lab manual to each lab period. You will not be allowed to leave class to photocopy another student's lab manual.
- Safety glasses need to be worn whenever somebody near you is conducting an experiment.
- No experiments may be conducted without the instructor or teaching assistant present
- No horseplay or unauthorized experiments. Do not taste any chemical or smell any chemical directly.
- No visitors inside the lab. You need to go outside to meet with them.
- No food or drinks allowed.
- Backpacks should not be left on the floor where others can trip over them.
- Shoes (not sandals or flip flops) must be worn during lab periods. Bare feet are never allowed.
- Long hair should be tied back so it will not fall into chemicals or flames.
- If any accident occurs in the lab, inform your instructor and follow safety procedures (to be discussed during first lab period).
- Clean up any spills promptly (clean-up procedures will be discussed during first lab period).
- Do not point the open end of a test tube towards anybody.
- Turn off flames when working with organic solvents. Dispose of organic solvents in waste bottles in the fume hood, not down the sink.
- At the beginning of each lab your instructor will inform you of any special safety precautions and how to dispose of used chemicals. You need to be on time for the lab so that you hear these instructions.
- Do not dispose of matches, paper or solid chemicals in the sink. Use the large evaporating dishes for spent matches.
- Put broken glassware in the broken glassware bucket, not in the trash.
- Before leaving the lab, wipe the bench top and wash your hands with soap and water.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09-Jan Week 1	10-Jan Ch 1	11-Jan	12-Jan 2.1-2.4	13-Jan	14-Jan 2.5	15-Jan
16-Jan Week 2	17-Jan No Class MLK Jr. Day	18-Jan	19-Jan 2.6	20-Jan	21-Jan 2.7-2.8	22-Jan
23-Jan Week 3	24-Jan Ch 3	25-Jan	26-Jan 4.1-4.7	27-Jan	28-Jan 4.9-4.11	29-Jan
30-Jan Week 4	31-Jan 5.1-5.4	1-Feb	2-Feb 5.5-5.7	3-Feb	4-Feb 6.1-6.2	5-Feb
6-Feb Week 5	7-Feb Exam 1 (1-5)	8-Feb	9-Feb 6.3	10-Feb	11-Feb 7.1-7.2	12-Feb
13-Feb Week 6	14-Feb 7.3-7.4	15-Feb	16-Feb 7.5-7.7	17-Feb	18-Feb No Class Lincoln Day	19-Feb
20-Feb Week 7	21-Feb No Class Washington Day	22-Feb	23-Feb 8.1-8.3	24-Feb	25-Feb 8.4-8.5	26-Feb
27-Feb Week 8	28-Feb 8.6-8.7	1-Mar	2-Mar 8.8-8.9	3-Mar	4-Mar 9.1-9.2	5-Mar
6-Mar Week 9	7-Mar Exam 2 (6-8)	8-Mar	9-Mar 9.3	10-Mar	11-Mar 9.4-9.5 Last Drop Day	12-Mar
13-Mar Week 10	14-Mar 9.6	15-Mar	16-Mar 10.1-10.4	17-Mar	18-Mar 10.5	19-Mar
20-Mar Week 11	21-Mar 10.6-10.10	22-Mar	23-Mar 11.1-11.6	24-Mar	25-Mar 11.7-11.9	26-Mar
27-Mar Week 12	28-Mar 11.10-11.11	29-Mar	30-Mar 12.1-12.5	31-Mar	1-Apr 12.6-12.7	2-Apr
3-Apr Week 13	4-Apr 12.8-12.10	5-Apr	6-Apr 13.1-13.2	7-Apr	8-Apr Exam 3 (9-12)	9-Apr
10-Apr Week 14	11-Apr 13.3-13.4	12-Apr	13-Apr 13.5-13.7	14-Apr	15-Apr 13.8-13.9	16-Apr
17-Apr	18-Apr Spring Break	19-Apr Spring Break	20-Apr Spring Break	21-Apr Spring Break	22-Apr Spring Break	23-Apr
24-Apr Week 15	25-Apr 13.10	26-Apr	27-Apr 14.1-14.3	28-Apr	29-Apr 14.4-14.6	30-Apr
1-May Week 16	2-May 15.1-15.3	3-May	4-May 15.4-15.5	5-May	6-May 15.6-15.8	7-May
8-May Week 17	9-May 16.1-16.3	10-May	11-May Exam 4 (13-15)	12-May	13-May 16.4-16.6	14-May Finals Start (Saturday classes)
15-May Week 18	16-May No class	17-May	18-May Final exam 10:00 – 11:50 am	19-May	20-May No class Semester Ends	21-May

Date	Friday Lab
14-Jan	Safety, Lab 1: Introduction to Chemistry
21-Jan	Lab 2: Instrumental Measurements (ch. 2)
28-Jan	Lab 3: Density of Liquids and Solids (ch. 2)
4-Feb	Nomenclature Worksheet (ch. 5)
11-Feb	Lab 5: Physical Properties (ch. 3)
18-Feb	No Class
25-Feb	Lab 10: Analysis of a Penny (ch. 6, 7)
4-Mar	Lab 13: Analysis of Alum (ch. 8)
11-Mar	Lab 12: Empirical Formulas of Compounds (ch. 8)
18-Mar	Lab 15: Precipitating Calcium Phosphate (ch. 9)
25-Mar	Lab 7: Families of Elements (ch. 4, 11)
1-Apr	Lab 18: Molecular Models (ch. 12)
8-Apr	Colligative Properties: making ice cream
15-Apr	Lab 16: Generating Hydrogen Gas (ch. 13)
22-Apr	No Class
29-Apr	Lab 19: Analysis of Saltwater (ch. 14)
6-May	Lab 20: Analysis of Vinegar (ch. 15, 16)
13-May	Checkout, Review for final exam
20-May	No Class