CHEMISTRY 110
Course # 20839
Spring 2015
INSTRUCTOR: Olga Dukhovny

I the undersigned, have received and read the
Chemistry 110 Lecture Syllabus and Information

Signature:_____________________________________

Printed Name:_______________________________

Date:_________________________ 1/13/2015
CHEMISTRY 110 - Spring 2015

Course # 20839
Instructor: Olga Dukhovny
Lecture: T - Th 5:30 PM - 6:45 PM in S-219 (20839)
Office Hours: TBA
Office: S-218A Office Phone: (562)860-2451 x 2695
E-Mail: odukhovern@cerritos.edu
Website: web.cerritos.edu/odukhovny
School Address: 11110 Alondra Blvd. Norwalk, CA 90650

Prerequisites: MATH 80 or MATH 80B or equivalent with Pass or "C" or higher or satisfactory completion of the Math Placement Process.

Recommendation: It is strongly recommended that the preceding prerequisite be completed within four years prior to the date of enrollment in CHEM 110.

REQUIRED MATERIALS:
2. Lecture Outlines Chemistry 110 by C. Romer (purchase at the Book Store)
3. Scientific Calculator
4. Safety in the Chemistry Laboratory by Cerritos Chemistry Department. (Online) http://cms.cerritos.edu/chemistry/
5. Safety goggles with splash protection in compliance with ANSI 287.1-1989 as required by California State Law (see laboratory ground rules)
6. Lab Apron (see laboratory ground rules)

LEARNING OUTCOMES:
1. Apply knowledge of microscopic (molecular) interactions to explain or predict macroscopic properties.
2. Apply critical thinking strategies in solving algorithmic and conceptual problems in chemistry.
3. Incorporate chemical principles to explain lab results and vice versa.
4. Apply laboratory skills to perform chemical analysis including collection of data, computations, and statistical analysis of the results.
5. Use effective written communication of chemical information.
6. Make effective use of current technology to collect and analyze data.
LECTURE OUTLINES AND WORKSHEETS:
1. Lecture outlines and worksheets are posted on my webpage:
   web.cerritos.edu/odukhovny you need to print out the lecture outlines and worksheets and bring them to lecture with you.
2. All chapters assigned in the schedule are from the textbook, Introductory Chemistry, Tro, 4th edition.

ONLINE HOMEWORK:
1. Online homework is required for this class. Late homework will not be accepted however you will still have access to the homework the entire semester for review and practice.
2. You need to buy the text with the online access code or go online and buy the online access code.
3. Access online homework at: www.masteringchem.com/
4. Look for the course: Chemistry110LectureDukhovnySpring2015

METHODS OF EVALUATION:
1. Hour Exams: Four exams, each worth 100 points. The lowest exam score will be dropped. All exams will be closed book/closed notes. All books and papers must be out of sight. Complete setups must be given in order to receive credit. (i.e. no credit for answers alone.) No Make-up exams will be given.
2. In Class Quizzes: In class quizzes are worth 20 pts. each. 2 quizzes will be dropped. No Make-up quizzes will be given.
3. Online homework: Online homework is required for this class. I will drop 1 online homework assignments during the course of the semester. Late online homework will not be accepted however you will still have access to the homework the entire semester for review and practice.
4. Worksheets: Worksheets and worksheet answer keys are found on my website. Worksheet problems will not be collected. It is your responsibility to do all problems assigned and check all set-ups and answers (See my website!). Similar problems will be found on exams.
5. Final: The final will be worth 150 points.
6. Laboratory: See lab handout. The laboratory is worth 25% of your grade.
7. Lecture Grade Distribution:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>300</td>
</tr>
<tr>
<td>Quizzes</td>
<td>150</td>
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<tr>
<td>Final Exam</td>
<td>200</td>
</tr>
<tr>
<td>Online Homework</td>
<td>100</td>
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<tr>
<td>Lab</td>
<td>250</td>
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</tbody>
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8. GRADING SCALE:

<table>
<thead>
<tr>
<th>PERCENTAGE</th>
<th>GRADE</th>
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</thead>
<tbody>
<tr>
<td>90 and above</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>59 and below</td>
<td>F</td>
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9. COURSE GRADE DISTRIBUTION:

LECTURE = 75%
LABORATORY = 25%

To achieve a "C" or greater for Chem. 110 you must obtain an overall grade of 70% and:

Pass the lecture portion + Pass the laboratory portion + Pass the lecture final

A Failing Score (59% or below) in Lecture, Laboratory or on the Lecture Final will result in a course grade no higher than a "D".

Withdrawals:

If you find it necessary to drop the course, you must follow the steps outlined below in order to receive a "W" grade. DO NOT JUST STOP ATTENDING CLASS.

Use "My Cerritos" or fill out the official withdrawal form in the ADMISSIONS OFFICE. Friday, April 24, 2015 is the last day to withdraw, but a "W" will appear on your transcript. You must check out your locker or a hold may be placed on your records.

Accessibility: It is the college's policy to provide, on an individual basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to come to my office hour or talk to me after class to discuss your individual needs for accommodations. If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact your instructors and the Disabled Student Programs and Services at (562) 860-2451 ext. 2335, as early as possible in the term.

Attendance/Performance: Past experience has shown that students must attend lecture to achieve a passing course grade. It is your responsibility to regularly attend lecture and laboratory. The instructor may drop you if you fail to attend 3 class sessions. (One hour more than two class sessions). If you plan to drop, do not expect your instructor to do it. Withdrawal from a class is your responsibility.

Absence: Students are responsible for ALL work, announcements, handouts and material missed during an absence. It is your responsibility to keep up; I will not give a private lecture to you.
**Laboratory:** You must attend your assigned lab time. Make-up labs may be authorized by your lab instructor. Not completing more than 2 labs can give you an automatic 0.

**Cheating policy:**
See your Spring Cerritos College Schedule of Classes on page 131: Academic Honesty/Dishonesty Policy. Essentially, if you cheat, you will be dismissed from the course with an "F" grade.

**Word to the Wise:**
Come prepared. It is your responsibility to come to lecture, lab and exams with the proper material (paper, pencils, calculator, lab experiments, lecture notes, goggles, aprons...etc.)

**Study Habits:**
You need to keep up with the assignments daily; last minute cramming in chemistry does not work!