Honors 191, Honors Chemistry I  
Fall 2013

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Description of Course

An introductory course in chemistry emphasizing theoretical aspects and designed primarily for students who intend to take one or more additional courses in chemistry.

Co-requisites and prerequisites

Honors 191L must be taken concurrently. Unless students exempt Math 111 or have complete this course as a prerequisite, they are required to take Math 111 as a co-requisite.

Text (required)

Chemistry: Atoms First, Burdge/Overby

We will be utilizing the digital version of the book as delivered through ConnectPlus.

Online Materials

We will be using ConnectPlus from McGraw-Hill as the source for all the graded online material in this course. You will need to purchase an access code for the ConnectPlus platform; the ConnectPlus platform will contain an ebook copy of the textbook along with numerous other features.

You can access the specific section for our class at

http://connect.mcgraw-hill.com/class/overbyhons191f13

Supplemental materials

Please visit my homepage for up-to-date information concerning the course. Copies of the syllabus, exams and other information will be posted there as well as other important information related to the course.
Learning Objectives

Upon completion of this course, students should be able to:

• know the definition of chemistry and the scientific method
• express common mathematical techniques in the solving of chemistry problems
• understand the role of the atom in chemistry
• distinguish, classify, and explain the properties of compounds
• recognize and explain the fundamental nature of chemical reactivity
• differentiate and describe the principles of the phases of matter

General Education Learning Outcomes

Upon completion of this course, students should be able to:

• apply physical/natural principles to analyze and solve problems
• develop an understanding of the impact that science has on society

Class policies

Attendance at all class meetings is recommended; however, attendance will not be recorded. You are expected to budget your time wisely and meet your obligations for this class. Experience has demonstrated that there is a strong correlation between your grade in the class and your attendance. You are responsible for learning the material when you miss class. My time in office hours is not for catching you up on material you missed. In the event you miss a lecture period, please check the course webpage for a synopsis of that day’s lecture.

Please bring a calculator to all exams as the course requires the use of a calculator. It is your responsibility to have one that can perform logarithmic and exponential functions. I cannot provide one if you forget yours during an examination.

Homework problems will be given but not collected. These are for your benefit and are intended as guides for material that may appear on the examinations.

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>92-100</td>
</tr>
<tr>
<td>A–</td>
<td>90-91</td>
</tr>
<tr>
<td>B+</td>
<td>88-89</td>
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<tr>
<td>B</td>
<td>82-87</td>
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<tr>
<td>B–</td>
<td>80-81</td>
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<tr>
<td>C+</td>
<td>78-79</td>
</tr>
<tr>
<td>C</td>
<td>72-77</td>
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<tr>
<td>C–</td>
<td>70-71</td>
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<tr>
<td>D+</td>
<td>68-69</td>
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<tr>
<td>D</td>
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<tr>
<td>D–</td>
<td>60-61</td>
</tr>
<tr>
<td>F</td>
<td>below 60</td>
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</tbody>
</table>
Grading Scheme

<table>
<thead>
<tr>
<th>Extra Credit Examinations</th>
<th>65%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Credit Connect</td>
<td>11%</td>
</tr>
<tr>
<td>Extra Credit LearnSmart Prep</td>
<td>4%</td>
</tr>
<tr>
<td>Extra Credit Final Exam</td>
<td>20%</td>
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</tbody>
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Grading Policy

There is NO required work in this course. You are given 59.4% for the course with no work necessary. There are a number of extra credit opportunities in this course including four extra credit exams, extra credit online materials (Connect), and an extra credit final exam. If you choose to do any of the extra credit, you forfeit the 59.4% for the course and begin at 0%. Your final grade will be determined by the sum of 0% plus any extra credit you complete.

If you attempt all four of the extra credit exams, the lowest of your four extra credit exam scores will count 5% while the remaining three extra credit exams count 20%. Thus, the three highest extra credit exam scores will comprise 60% of the 65% of your extra credit exam grades and the remaining 5% will result from the lowest extra credit exam score. If you know you will be missing an extra credit exam, appropriate accommodations can be made in many cases.

The Honor system is in effect in all your efforts for this course. Cheating will not be tolerated. If you are caught cheating, a grade of “F” will automatically be given and you will be brought before the Honor Board. Please refer to the Department’s policy on Scientific Integrity for more information. By enrolling in this course, you are agreeing to abide by the Departmental policy on Scientific Integrity.

You are not competing against everybody else in the class nor are there a set number of grades that will be given. It should be your objective to do the best you can on all the work. I firmly believe that teachers do not give grades, students earn them.

Extra Credit Final Examination Information

The extra credit final examination is a standardized examination containing 70 multiple choice questions and was prepared by the American Chemical Society. This is a timed exam (110 minutes).

Important Dates

- October 14-15 – Fall Break
- October 24 – Last day to withdraw from classes with the grade of “W”
- November 27-29 – Thanksgiving Break
- December 2 – Last day of classes
- December 9 – Final Exam, 8 am