

Announcements – Lecture I – Tuesday, Sep 3th





University of Massachusetts General Chemistry



Courses	Fall	Spring	Summer
	Chem 102	Chem 101	
	Chem 110	Chem 250	
	Chem 111	Chem 111	Chem 111
	Chem 112	Chem 112	Chem 112
	Chem 121	Chem 122	

3295104

OWL
Spire

CRC
Registrar

Chemistry Dept
Continuing Ed

Moodle
TA Evaluations

Lab Waiver
UMail

www.chem.umass.edu/genchem ... all lower case



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Instructors:



Tom Whelan

ISB 241E, 545-6092

whelan@chem.umass.edu

Office Hours

Mon: 2:45-4:45 ISB 162

Wed: 2:45-4:45 ISB 162

Starting Sep 11th

Where is ISB 162?

TBA

tba@student.umass.edu

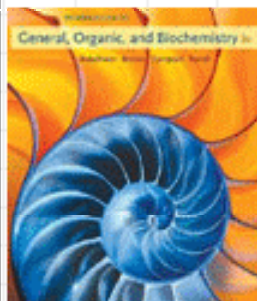
CRC: TBA

TBA

tba@student.umass.edu

CRC: TBA

Required Materials: ... *Strongly Recommended*



INTRODUCTION TO
General, Organic, and
Biochemistry

Ninth EDITION

Bettelheim · Brown · Campbell · Farrell

1. Class Meets: TuTh 1:00-2:15,
2. Class Location: ISB 135
3. Exam Dates: Oct 1, Nov 5, Dec 3, TBA
4. [Campus Map](#)
5. [iClicker 2](#)
6. [Scientific Calculator](#) ... *See class web site.*
(Easy to use and inexpensive)



General Chemistry Labs: Ground floor of the ISB



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Syllabus Summary:

1. General:

This course satisfies the physical science General Education requirement (PS). The aim of GenEd is to help students develop mature, broad, transferable skill sets that are not limited to one particular discipline or profession. The PS GenEd courses grow analytical reasoning, critical thinking, complex problem solving, mathematical acumen, logical argument, and other life skills.

In this class we work on these skills using the language and concepts of chemistry, but the skills are transferable to any field.

2. Grading

3 In Class Exams + Final Exam	70%
(Highest Exam Score of All Exams 20%; Lowest 14%; Other 2, 18% each) ***	
PRS + Owl	10%
Laboratory	20%

3. Exam Dates:

Exam I	Tuesday	October	1	ISB 135	1:00-2:15
Exam II	Tuesday	November	5	ISB 135	1:00-2:15
Exam III	Tuesday	December	3	ISB 135	1:00-2:15
Final	TBA				

} In class exams

4. Past Exams

2012	Exam I - Blank	Exam II - Blank	Exam III - Blank
	Exam I - Key	Exam II - Key	Exam III - Key
2011	Exam I - Blank	Exam II - Blank	Exam III - Blank
	Exam I - Key	Exam II - Key	Exam III - Key
2010	Exam I - Blank	Exam II - Blank	Exam III - Blank
	Exam I - Key	Exam II - Key	Exam III - Key

5. Exam Policies:

You must have a passing exam average in order to pass the course -- Failing two of the exams constitutes a failing exam average.

6. Lab Policies:

You must complete all of the laboratory experiments to pass the course. *

7. Academic Honesty:

You will abide by the academic honesty policy of the campus. I expect you to do your own work on exams and labs. You must flush all calculator memories of any chemistry information before coming to an exam. You MAY NOT bring any additional materials to exams other than a pencil, calculator, and your brain. I take honesty very seriously.

8. Grade Cutoffs:

>90 A

<55 F



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<p>Thursday Sep 05</p> <p>Lecture 2 Slides</p> <p>↑ posted after each class</p>	<p>Lecture Material:</p> <p>1.3 How do Scientists Report Numbers? 1.5 Factor-Label Method -- Dimensional Analysis -- Mathematics of Chemistry 3.5 How Do We Name Ionic Compounds -- A Brief Early Visit! - Some Memorization 2.4 What Are Atoms Made Of</p> <p><i>Updated prior to and after each class.</i></p> <p>Homework:</p> <p>Owl 1.3e Homework - Significant Figures in a Number 09-10-13 1.3f Homework - Significant Figures in Calculations 09-10-13 1.3g Homework - Significant Figures and Errorless Numbers 09-10-13 1.5e Tutor - Metric System Prefixes 09-10-13 1.5d Tutor - Unit Conversions 09-10-13 1.5h Tutor - Unit Conversions by the Factor-Label Method 09-10-13 1.5g Homework - Metric Units: Unit Analysis 09-10-13 3.5b Simulation - Ionic Compounds 09-10-13 iClicker Registration 09-10-13</p> <p>Announcements:</p> <p>1. PRS - iClicker for credit starts September 12 Register your iClicker in Owl by Sept 10. 2. First Lab - Saturday, September 21, 1:00-4:00pm</p>
<p>Tuesday Sep 03</p> <p>Lecture 1 Slides</p>	<p>Lecture Material:</p> <p>General Course Information</p> <ul style="list-style-type: none"> - What Materials Do I Need - Exam Dates & Grading - Computer Resource Center - Lab -- What/Where/When/What I Need to Know/Materials etc - Some Fun With Balloons! <p>1.3 How do Scientists Report Numbers? <i>Textbook Reference</i></p> <p>Homework:</p> <p>Reading Ch 1.2 What is the Scientific Method Ch 1.3 How do Scientists Report Numbers Ch 1.4 How do we Make Measurements</p> <p>Owl 1.1a Navigation, Messages, and Browsers 09-06-13 1.1b Flash and eBook 09-06-13 1.2a Question Modes 09-06-13</p>





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Online Web Learning

University of Massachusetts Amherst Courses - Amherst, Massachusetts
Chemistry General

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Use your NetID

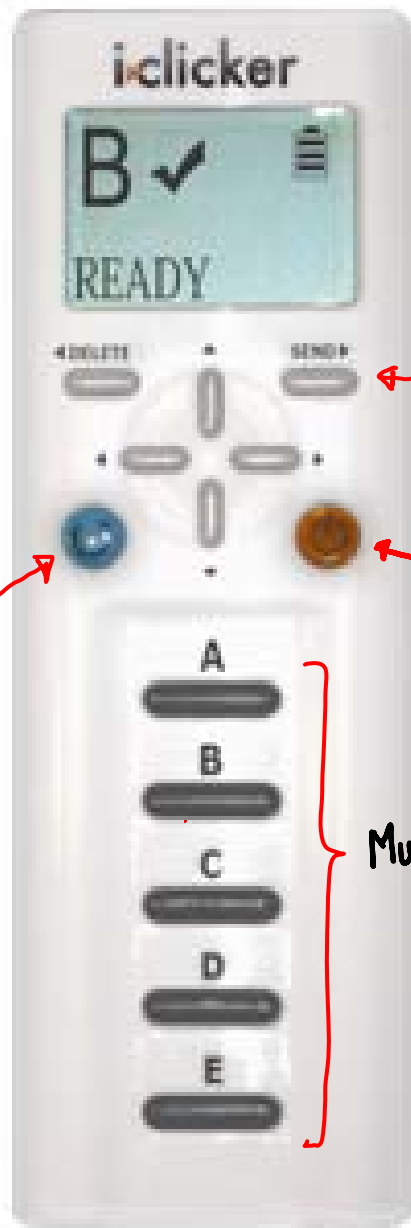
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CHEM 110 LAB DATES:

SAT, SEP 21

SAT, OCT 5

SAT, OCT 19

SAT, NOV 2

SAT, NOV 16

SAT, NOV 23

1-4 pm

Read prior to first lab.

TA information and room assignment

Print prior to each lab ... Use the 'Print Page' button on the top right hand corner of the web page ... this launches a pdf version of the experiment which is the only version that contains the 'Data Sheet'.



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Grading:

Important Summary:

1. **In order to receive a grade in the course you must receive a laboratory grade. Fail the laboratory portion and you fail the entire course, regardless of how you do in lecture. In order to obtain a laboratory grade you must complete ALL the laboratories (see frequently asked question) and made a decent attempt at ALL the assigned laboratory OWLS**
2. **The laboratory grade constitutes 20% of the overall course grade.**

Grading within the Laboratory Program:

A final laboratory grade will be posted at the end of the semester before your final exam. This grade is based on the following

Prelab Quiz	25%
Laboratory Reports	45%
Laboratory OWL's	25%
TA Assessment	5%

* 4 of them, first one will appear after Exp 2. Other three after Exp 3, 4, 5.