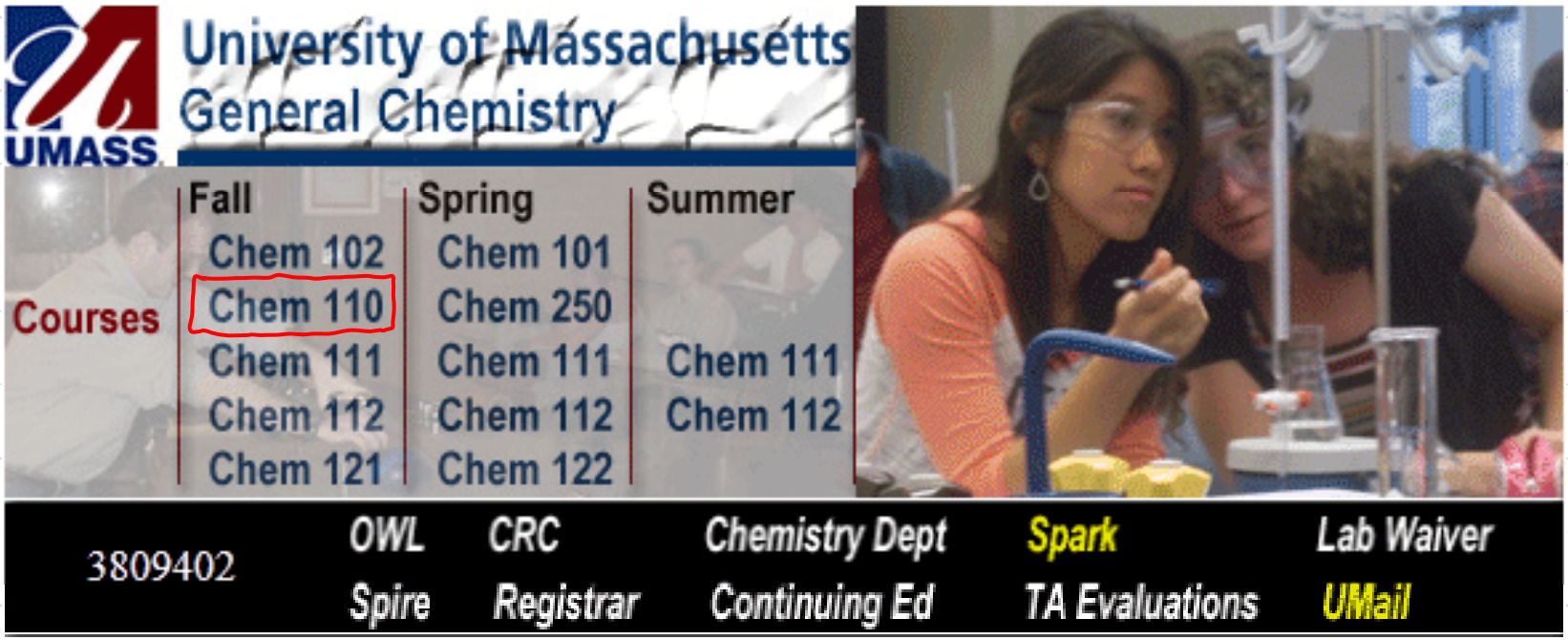


www.chem.umass.edu/genchem ... all lower case

Lecture
General
- Genchem
- Owl
- Course Home

Laboratory
General
- Lab Policy
- Lab Waiver?
- Make-up Labs?
- Lab Safety

Lab Schedule
- Chem 110 - L01

TA Information
- Saturday L01

Experiments
- E-1 E-2 E-3
- E-4 E-5 E-6

Prelab Quiz
- E-1 E-2 E-3
- E-4 E-5 E-6

Video
- Weighing
- Using a buret
- Titrating

Chem 110 Fall 2012

Instructors:

Tom Whelan
ISB 241E, 545-6092
whelan@chem.umass.edu

Office Hours
Mon: 11:00-1:00 241E
Fri: 11:00-1:00 241E
} Starting Sept 10th.

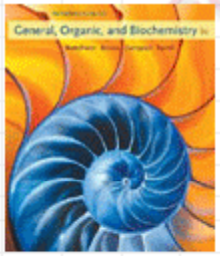
Tba
tba@chem.umass.edu
CRC:

Tba
tba@chem.umass.edu
CRC

Tba
tba@chem.umass.edu
CRC

↳ Strongly Recommend

Required Materials:



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:
4. Campus Map
5. iClicker 2
6. Scientific Calculator

} See class web site

(Easy to use and inexpensive)

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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	Thursday	October	04	ISB 135	12:45-2:15
Exam II	Thursday	November	08	ISB 135	12:45-2:15
Exam III	Thursday	December	06	ISB 135	12:45-2:15
Final	TBA				TBA

In class
4. **Past Exams**

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
2009	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 mush 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 Cutoff's:**
>90 A. <55 F
The other grade cutoffs will be determined at the end of the semester. However if you want to be

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Date	Daily Schedule ... Updated Saturday, September 01 :- 02:13 PM
Thursday Sep 06 Lecture 2 Slides	**Lecture Material:** 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 → Prior to, and after each class **Homework:** Owl 1.5e Tutor -- Metric System Prefixes 09-11-12 1.5d Tutor -- Unit Conversions 09-11-12 1.5h Tutor -- Unit Conversions by the Factor-Label Method 09-11-12 1.5g Homework -- Metric Units: Unit Analysis 09-11-12 3.5b Simulation -- Ionic Compounds 09-11-12 **Announcements:**
Tuesday Sep 04 Lecture 1 Slides	**Lecture Material:** General Course Information - 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! 1.3 How do Scientists Report Numbers? → Textbook reference. **Homework:** 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 Owl I.1a Navigation, Messages, and Browsers 09-07-12 I.1b Flash and eBook 09-07-12 I.2a Question Modes 09-07-12 I.2b Question Types 09-07-12 I.3a Chemical Formulas 09-07-12 I.3b Scientific Notation 09-07-12 I.3c Tables 09-07-12

OWL

OWL User Login

OWL Login

Login

Login Help

OWL Online Web Learning

University of Massachusetts Amherst Courses - Amherst, Massachusetts

Chemistry General (UMass Amherst, UMass Boston)

UMass Amherst Students: To find your 8-digit student ID number, (1) look on your UCard, (2) log into SPIRE and then go to My SPIRE --> Change My Password, (3) look on an unofficial transcript.

Login: 8 Digit Student ID Number

(Use your **8-digit** student number)

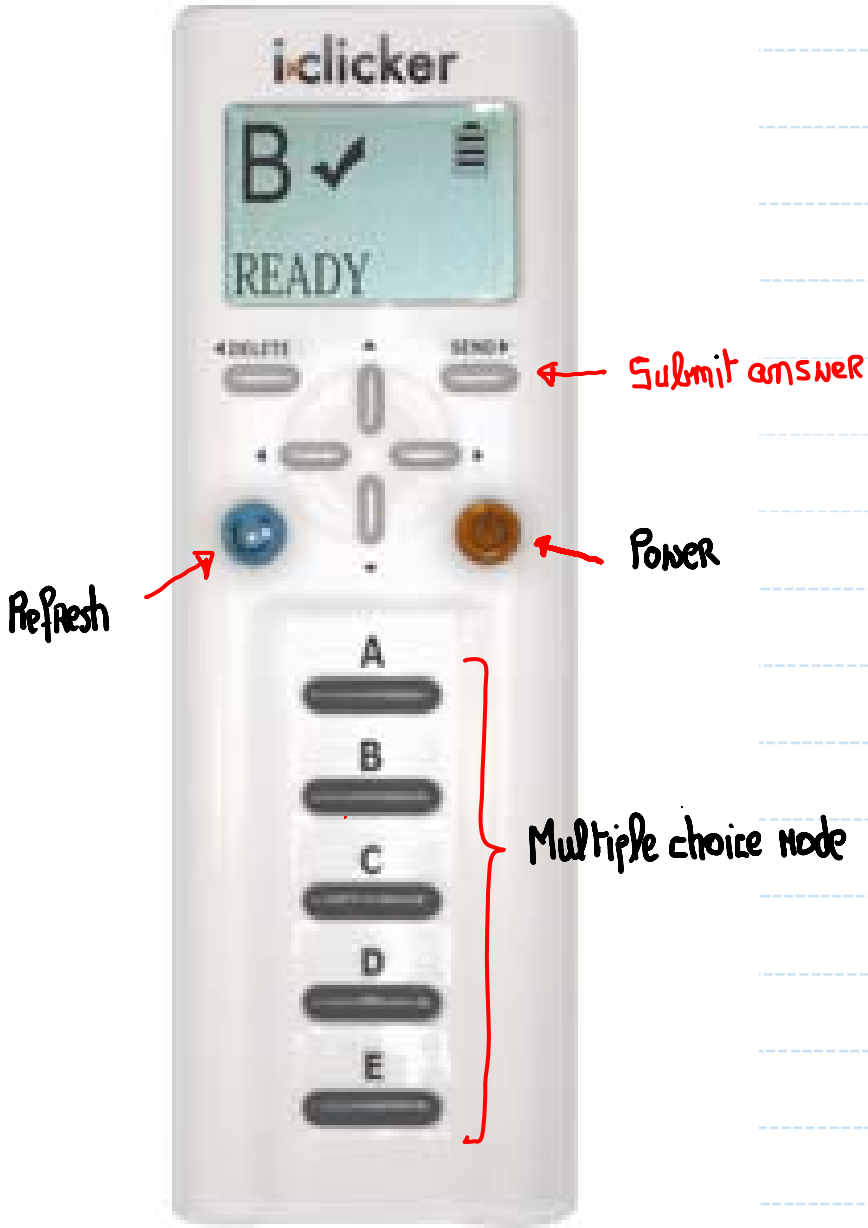
Password: Last Name *

(Use your last name, unless you have changed your password.)

LOG IN

I've forgotten my login and/or password.

You may safely bookmark this page.


iclicker
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READY
Submit answer
Power
Refresh
A
B
C
D
E
Multiple choice mode

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} 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'.

} Sample quizzes

CHEM 110 LAB Dates:

Sat. Sep 22
Sat. Sep 29
Sat. Oct 13
Sat. Nov 3
Sat. Nov 17
Sat. Dec 1

} 1:00 - 4:00 pm

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%

* ... after Exp 2, 3, 4 and 5 only.