

Announcements – Lecture I – Tuesday, Sep 4th

1. Class Web Site: <https://genchem.chem.umass.edu>
2. First Lab – Saturday, September 22nd ... 1-4pm ... ISB 155 /160 (A-E)
3. Exam Dates:
 - Exam I: Thursday, October 4, In Class
 - Exam II: Tuesday, November 6, In Class
 - Exam III: Thursday, December 6, In Class
 - Final: Thursday, December 20, ISB 135, 3:30-5:30



University of Massachusetts General Chemistry



	Fall	Spring	Summer
Courses	Chem 110		
	Chem 111	Chem 111	Chem 111
	Chem 112	Chem 112	Chem 112
	Chem 121	Chem 122	

3351338

OWL
Spire

CRC
Registrar

Chemistry Dept
Continuing Ed

Moodle
TA Evaluations

Lab Waiver
UMail

<https://genchem.chem.umass.edu>

Note: This URL is all lower case

Chem 110

Fall 2018

Instructors:



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

Office Hours
Mon: 2:45-4:45 ISB 162
Wed: 2:45-4:45 ISB 162

Starting on September 12.

[Where is ISB 162?](#)

TBA
Tba@umass
CRC: TBA

TBA
Tba@umass
CRC: TBA

TBA
Tba@umass
CRC: TBA

TBA
Tba@umass
CRC: TBA

Lab Dates: Note all labs are held on a Saturday from 1-4pm in ISB 155/160

1. Saturday, September 22
2. Saturday, October 12
3. Saturday, October 26
4. Saturday, November 3
5. Saturday, December 1
6. Saturday, December 8



General Chemistry Labs ... ground floor of ISB

Lecture

General

[Genchem](#)

[Owl](#)

[Course Home](#)

Laboratory

General

[Lab Policy](#)

[Lab Waiver?](#)

[Make-up Labs?](#)

[Lab Safety](#)

Lab Schedule

[Chem 110 - LL](#)

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](#)

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) *

Owl 10%

Laboratory 20%

3. Exam Dates:

Exam I Thursday October 04 ISB 135 2:30-3:45

Exam II Tuesday November 06 ISB 135 2:30-3:45

Exam III Thursday December 06 ISB 135 2:30-3:45

Final Thursday December 20 IISB 135 3:30-5:30

} **In class exams**

4. Past Exams

2016 Exam I - [Blank](#) Exam II - [Blank](#) Exam III - [Blank](#)

Exam I - [Key](#) Exam II - [Key](#) Exam III - [Key](#)

2015 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 mid term exams (final not included) 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 Cutoff's:

>90 A.

<55 F

Lecture
General
Genchem
Owl
Course Home
Laboratory
General
Lab Policy
Lab Waiver?
Make-up Labs?
Lab Safety
Lab Schedule
Chem 110 - LL
TA Information
Saturday LL
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

Date	Daily Schedule ... Updated Sunday, September 04 :- 02:20 PM																											
Thursday Sep 08	<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</p> <p>Homework:</p> <table border="0"> <tr><td>Owl</td><td>1.3e Homework - Significant Figures in a Number</td><td>09-13-16</td></tr> <tr><td></td><td>1.3f Homework - Significant Figures in Calculations</td><td>09-13-16</td></tr> <tr><td></td><td>1.3g Homework - Significant Figures and Errorless Numbers</td><td>09-13-16</td></tr> <tr><td></td><td>1.5e Tutor - Metric System Prefixes</td><td>09-13-16</td></tr> <tr><td></td><td>1.5d Tutor - Unit Conversions</td><td>09-13-16</td></tr> <tr><td></td><td>1.5h Tutor - Unit Conversions by the Factor-Label Method</td><td>09-13-16</td></tr> <tr><td></td><td>1.5g Homework - Metric Units: Unit Analysis</td><td>09-13-16</td></tr> <tr><td></td><td>3.5b Simulation - Ionic Compounds</td><td>09-13-16</td></tr> <tr><td></td><td>iClicker Registration</td><td>09-13-16</td></tr> </table> <p>Announcements:</p>	Owl	1.3e Homework - Significant Figures in a Number	09-13-16		1.3f Homework - Significant Figures in Calculations	09-13-16		1.3g Homework - Significant Figures and Errorless Numbers	09-13-16		1.5e Tutor - Metric System Prefixes	09-13-16		1.5d Tutor - Unit Conversions	09-13-16		1.5h Tutor - Unit Conversions by the Factor-Label Method	09-13-16		1.5g Homework - Metric Units: Unit Analysis	09-13-16		3.5b Simulation - Ionic Compounds	09-13-16		iClicker Registration	09-13-16
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Tuesday Sep 06	<p>Lecture Material:</p> <p>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!</p> <p>1.3 How do Scientists Report Numbers?</p> <p>Homework:</p> <p>Reading</p> <table border="0"> <tr><td>Ch 1.2</td><td>What is the Scientific Method</td><td></td></tr> <tr><td>Ch 1.3</td><td>How do Scientists Report Numbers</td><td></td></tr> <tr><td>Ch 1.4</td><td>How do we Make Measurements</td><td></td></tr> </table> <p>Owl</p> <table border="0"> <tr><td>1.1a</td><td>Navigation, Messages, and Browsers</td><td>09-09-16</td></tr> <tr><td>1.1b</td><td>Flash and eBook</td><td>09-09-16</td></tr> <tr><td>1.2a</td><td>Question Modes</td><td>09-09-16</td></tr> <tr><td>1.2b</td><td>Question Types</td><td>09-09-16</td></tr> </table>	Ch 1.2	What is the Scientific Method		Ch 1.3	How do Scientists Report Numbers		Ch 1.4	How do we Make Measurements		1.1a	Navigation, Messages, and Browsers	09-09-16	1.1b	Flash and eBook	09-09-16	1.2a	Question Modes	09-09-16	1.2b	Question Types	09-09-16						
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Posted after each class

1.3 → Text book reference.

Site updated prior to and after each class



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Lecture

General

[Genchem](#)

[Owl](#)

[Course Home](#)

Laboratory

General

[Lab Policy](#)

[Lab Waiver?](#)

[Make-up Labs?](#)

[Lab Safety](#)

Lab Schedule

[Chem 110 - LL](#)

TA Information

[Saturday](#) [LL](#)

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 Saturday Lab Dates

Sept : 22

Oct : 12

26

Nov : 3

Dec : 3

10

} Read prior to first lab.

} TA information and room assignments

} Print your own lab... Use the 'Print Page' button on top right hand corner. This is the only version that has the 'Data Sheet', that you submit to your TA and the end of the lab period.

} Samples ... from which 5 of the 6 questions on the 'Prelab Quiz' are taken from.

Lecture

General

[Genchem](#)

[Owl](#)

[Course Home](#)

Laboratory

General

[Lab Policy](#)

[Lab Waiver?](#)

[Make-up Labs?](#)

[Lab Safety](#)

Lab Schedule

[Chem 110 - LL](#)

TA Information

[Saturday](#) [LL](#)

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](#)

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 after Exp 2.
Rest after Exp 3, 4 and 5.