# General Chemistry (CHEM 111)

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## What Isn't Chemistry?



**Chemistry is a Central Science** 

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## Chemistry

- Science of matter and the changes that it undergoes
- ➤ The composition, structure, properties, and reactions of matter, especially of atomic and molecular systems
- Mutual attraction



Matter

**Energy** 





Change







Light

4-3-7-14-W-1

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## **Resources Are Available!**

- Stop by during office hours
- > TA office hour / OWL assignment help (see Moodle)
  - Eva Liao, yliao@umass.edu
- ➤ The Learning Resource Center
  - SI (supplemental instruction) sessions
  - ExSEL groups
  - Free tutoring

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#### LRC-Learning Resource Center: Students helping Students Achieve Academic Success

#### Who we are:

The Learning Resource Center (LRC) is UMass Amherst's flagship academic and research support office. The LRC offers a peer-supported environment to help students meet academic challenges, achieve academic excellence, and obtain research opportunities.

#### Learn More:

Email: lrc@acad.umass.edu Web: www.umass.edu/lrc/

OR stop by the 10<sup>th</sup> floor of the W.E.B. du Bois library!

# The LRC is home to four distinct programs:

- SI (Supplemental Instruction)
- ExSEL: (Excellence through Student Enhanced Learning)
- Peer Tutoring
- OURS (Office of Undergraduate Research & Studies)



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## Supplemental Instruction for Chem 111

- SI leader:
  - Mikayla Coolidge, Email: mikaylacooli@umass.edu
  - Avantika Manikandan, Email: amanikandan@umass.edu
- SI Sessions are....
  - Two 75-minute review sessions a week. Additional Exam review session near exam times.
  - Free!
  - Optional
  - Come and go anytime

Time of SI sessions will be announced next week!

## Grading

➤ The percentage breakdown for the course is as follows:

<b>Graded Assignment</b>	% towards	
	Grade	
OWL	18	
Laboratory	17	
iClicker	5	
eExams (3) + Final eExam	60	
Total	100	



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#### **Course Materials**

- Access code to all course material should be purchased via Books by eCampus, access code will be delivered to your digital bookshelf in your eCampus MyAccount.
- ➤ Detailed instructions on how to create your OWL account: https://owl.umass.edu/techsupport/accesscodes/genchem.html
- OWL Book: <u>General Chemistry</u>, Vinning, W.J., Young, S.M., Day, R. and Botch, B.; Brooks/Cole 1<sup>st</sup> Ed., 2014. ISBN: 978-1-285-41899-5
- OWL Account
  - For textbook, homework, exams
- ➤ Moodle (<a href="https://umass.moonami.com">https://umass.moonami.com</a>)
  - Syllabus, lecture video, lecture slides, announcements
- Scientific calculator



#### Course Materials: iClicker



- **➤** Register your iClicker (instructions on Moodle)
- Bring your iClicker to each class along with spare batteries
- ➤ In order to receive credit for the iclicker questions, you must be present and answer the iClicker questions
- > Students are only allowed to answer questions on their own i>clickers (the i>clicker that each student registered for this class); allowing other students to answer questions with your i>clicker, or answering questions on any i>clicker other than your own are both considered academic dishonesty.
- ➤ I will drop 20% of the iClicker points (≈20% extra credit)
- ➤ Please do not come to class if you are feeling unwell. The participation component of the class has been structured so that you may miss several classes without penalty or loss in credit. Please reach out to me via email if you need to miss class for an extended period of time.

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#### **Course Materials: iClicker**



### iClicker registration:

Students will need to create an iClicker Student account to register their remotes, see this link for instructions: <a href="https://umass.service-now.com/kb\_view.do?sysparm\_article=KB0011820">https://umass.service-now.com/kb\_view.do?sysparm\_article=KB0011820</a>

### use the same NAME and EMAIL that you use for Moodle!

then click on this link to enroll in our class: https://join.iclicker.com/OWPG

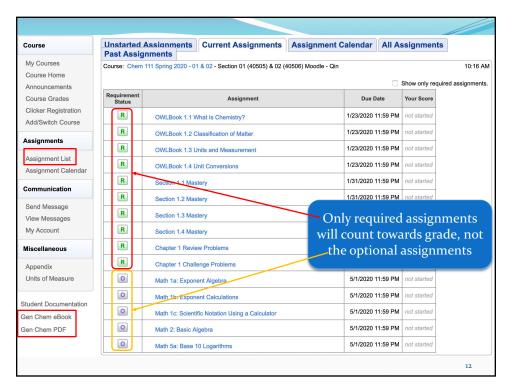
0

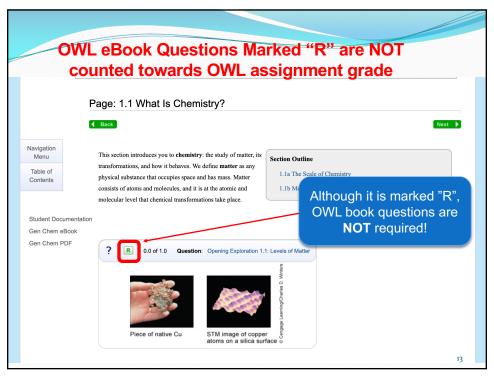
#### **Course Materials: OWL**

- > You must log into OWL for assignments and due dates
- > You will have as many opportunities before the due date as necessary to get the questions correct
- ➤ Each correctly answered question will get you 1 point
- > due one week from the day that the chapter is completed (exception: the last chapter due on the last day of class)
- extensions on 3 entire chapter assignments, no exceptions
- Log into OWL on a daily basis to check due dates

use the same NAME and EMAIL that you use for Moodle!

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Electronic Exams (eExams)								
EXAMS	Total Points	Date	Exam description	Location	Time			
Exam 1	100	Wed, 10/2	Same format as OWL questions	ISB 155-160	Evening exam			
Exam 2	100	Wed, 10/30	Same format as OWL questions	ISB 155-160	Evening exam			
Exam 3	100	Wed, 12/4	Same format as OWL questions	ISB 155-160	Evening exam			
<u>Final</u>	100	Fri, 12/13	Same format as OWL questions	ISB 155-160	Check spire			
For exam	ns 1, 2, and	3, the specific tim	ne slots are:					



### **Laboratory**

- ➤ See: <a href="https://genchem.chem.umass.edu">https://genchem.chem.umass.edu</a> for required materials for the laboratory portion of the course
- ➤ The lab has its own OWL assignments, contact lab instructor
- ➤ All questions regarding the laboratory should be directed to your lab TA or laboratory supervisor Professor Thomas Whelan

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# Cheating

- Not allowed.
- Students are only allowed to answer questions on their own i>clickers (the i>clicker that each student registered for this class); allowing other students to answer questions with your i>clicker, or answering questions on any i>clicker other than your own are both considered academic dishonesty.
- Refer to the university "Academic Honesty" policy <u>http://www.umass.edu/honesty/</u>

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#### Attention!

- > You must take all exams to pass this course
- > You must have a grade of C- or better in this course (CHEM 111) to take CHEM (112)

#### **Dates to remember**

- The last day for withdrawal without a W (no record)
  - 0 9/9/2024
- The last possible day to drop with a W
  - 0 10/29/2024

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### **Tips to Succeed in CHEM 111**

- When you do not know, Ask
- Use multiple resources
- Read textbook before coming to class
- > Review notes the same day after lecture
- Complete OWL assignments on time
- ➤ Be able to solve OWL questions without the help of the hint
- **Believe** in yourselves

**Chem-is-try** 

I will try my best to help you succeed in this course

#### **Levels of Success**



What are the learning habits of an **A** student?

C- student: What is the answer?

Able to solve problems that are familiar

B-student: How do you do this?

Able to explain formulas, and their use in familiar problems

A-student: Am I thinking about this correctly?

Able to analyze new information and select formulas to provide explanations and make predictions (connecting the dots)

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## Homework

- READ SYLLABUS
- Register your iClicker2 remote
- Complete syllabus quiz on Moodle (only 1 attempt)
- Go over information posted on Moodle
- Complete Chapter 1 video, log into OWL, start reading Chapter 1 and working on OWL assignments