

Fall 2020

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Why Learn Chemistry?

To better understand the environment around us



Medicine

- Understanding disease
- Develop new drugs

Environmental Science

- Ozone layer
- •Global warming
- Acid rain





Agriculture

- Bioengineered food
- Fertilizers

Criminal Justice & Safety

- Forensics
- Explosives
 - & Drug detection
- Safety equipment

Material Science

- Better built houses
- More efficient cars
- Plastics, composites



Why Learn Chemistry? Fun!

Fireworks!



New materials for sports equipment!



Better electronic devices & gaming systems!



High tech clothing for any activity!



CHM101 – Freshman Chem. Lecture (lab – CHM102)

- First half of 2 semester general chemistry sequence
- Required if need 3-4 semesters of chemistry for your major
- Pharmacy, Engineering, Biology
- Pre-professional programs: medical, dental, veterinary etc.
- Some environmental science groups
- Emphasis on mathematical skills (esp. algebra) & problem solving (most exams at least 80% math)
- Other General Chemistry courses 103, 191
- If you think you may be enrolled in the wrong course, let me know right away

In-person Chemistry Labs Start Tuesday 9/15

Safety Training is required for all Chemistry Labs

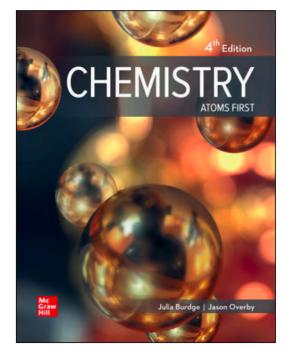
You must complete the required on-line lab safety module before attending your first in-person lab.

See your CHM 102 Brightspace site for an introductory video with details about safety training and lab and department policies

This introductory video must be viewed before the start of in-person labs. DO NOT WAIT UNTIL MONDAY 9/14!!!

Required Materials

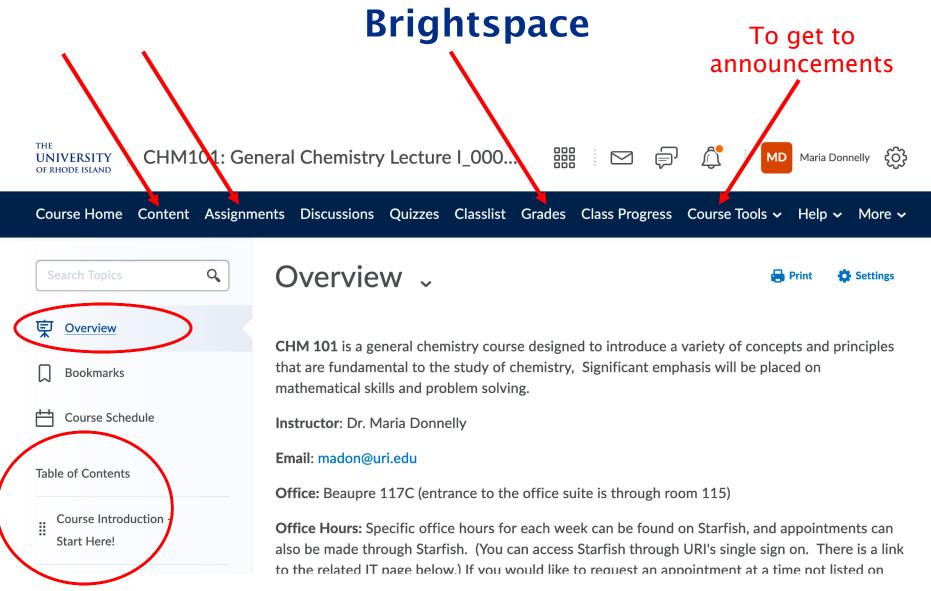
- Book: Chemistry: Atoms First 4th edition
 - By Julia Burdge & Jason Overby
 - Published by McGraw Hill
 - Can use either paper or electronic
 - Access to Connect online homework
 - Smart Book assignments
 - Homework assignments
 - Exams
 - Scientific calculator
 - Brightspace/URI email
 - Gradebook
 - Announcements
 - Submission of group work
 - Some additional assignments
 - Links to course resources
 - Many course resources can also be accessed through https://www.chm.uri.edu/index.php/misc-user-page/?buttonname=miscbutton&person=mdonnelly&topicname=CHM101



Chapters 1-12

Useful Information: Lecture Notes, etc.





Announcements also - must opt in!

Course Organization

Asynchronous Portion

- Lectures will consist of PowerPoint presentation videos with sample problems worked out as examples
 - Videos will be posted online with links available via Brightspace
 - Can be watched at a time convenient to you
 - Make sure to watch videos early enough to be able to complete your homework on time & be prepared for exams
 - Videos should be available at least until the end of the semester
 - Homework will be completed and submitted through McGraw Hill's Connect Program.
 - Has specific due dates (mostly Mondays & Fridays)
 - Can submit early!

Synchronous Portion

- Students will meet once a week at the normal class time to work through problems in groups
 - Meetings will be held via zoom
 - The class will be divided in half half of the students will meet on Tuesday, half on Thursday
 - You will be assigned a "CHM 101 Support Group", and will work through problems as a group in breakout rooms
 - I will be available to answer questions
 - The groups will submit their work via Brightspace by 11:00am (one submission per group)
 - Grades will be based on attendance; 50 pts per meeting
 - One absence is permitted without penalty
 - Attendance will be determined from submitted work
 - Solutions will be posted at the end of the week
 - If you need to be assigned to a specific day, let me know

Group Work Schedule

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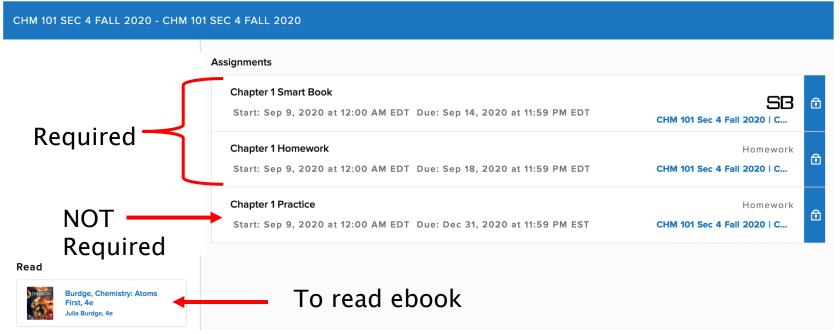
I man exam dates are set by the conversity and are subject to change								
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
September								
		1	2	3	4	5		
6	7	8	9	10	11	12		
13	14	15 Group Work	16	17 Group Work	18	19		
20	21	22 Group Work	23	24 Group Work	25	26		
27	28	29 Review	30					
October								
				1 Exam 1	2	3		
4	5	6 Group Work	7	8 Group Work	9	10		
11	12	13 Group Work	14	15 Group Work	16	17		
18	19	20 Review	21	22 Exam 2	23	24		
25	26	27 Group Work	28	29 Group Work	30	31		
November								
1	2	3 No Class	4	5 Group Work	6	7		
8	9	10 Group Work	11	12 Review	13	14		
15	16	17 Exam 3	18	19 Group Work	20	21		
22	23	24 Group Work	25	26 No Class	27	28		
29	30							
December								
		1 Group Work	2	3 Group Work	4	5		
6	7	8 Review	9	10 Exam 4	11	12		
13	14 Review	15	16	17 Final Exam	18	19		
				8:00 - 11:00am				

Graded on 7 of 8 required class meetings. Exam Reviews are optional.

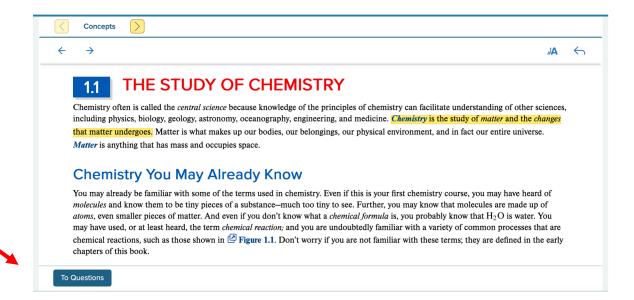
Homework

- Homework will be completed and submitted through the McGraw Hill Connect online homework program
- There are two types of homework, one of each per chapter
 - Homework assignments
 - Ten points per question
 - Best to complete after watching lecture video
 - Can be submitted late automatically with 2% per day loss of credit
 - Smart Book assignments
 - 100 points each, graded based on completion
 - Assigned toward the beginning of the chapter as an introduction to the material
 - To submit late, email me to request an extension
- There will also be **OPTIONAL** practice assignments with additional questions.

Connect Assignments



Questions are required. All questions must be answered to receive full credit.



Connect Registration

Registration Information is section specific!

Section 1: Spring 2018 TTh 9:30 am

student registration information
course

Spring 2018 CHM 101 General Chemistry
with LearnSmart and LearnSmart Prep

instructor

Maria Donnelly

section

Spring 2018 Section 1 TTh 9:30 am

online registration instructions
Go to the following web address and click the "register now" button.

https://connect.mheducation.com/class/m-donnelly-spring-2018-section-1-tth-930-am

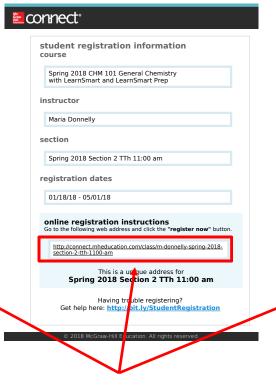
This is a unique address for

Spring 2018 Section 1 TTh 9:30 am

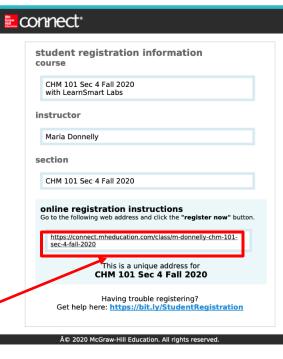
Having trouble registering?

Get help here: http://bit.ly/StudentRegistration

Section 2: Spring 2018 FTh 11:00 am

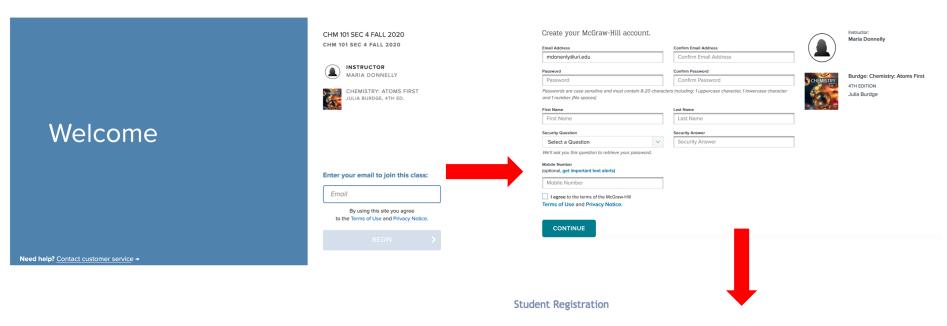


Section 4: TTh 9:30 am



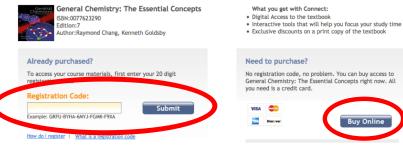
Link to registration page

Connect Registration



A two week courtesy access is available if you cannot immediately purchase an access code.

Register & start work right away!



(Older screenshot, looks a little different now)

Need Temporary Access?

You can get two week access to your After that your work will have and you can purch

Start courtesy access

Exams

- Exams will be held at the scheduled class time.
 - Dates are in the syllabus and the schedules in this presentation
- Exams will be completed and submitted through Connect (mostly)
 - One question at the end will be for you to submit your work as a single pdf file
 - The pdf file is what I will grade for your exam
 - There is info in Brightspace about ways to turn your work into a single pdf file
 - If you have trouble submitting through Connect, email me the pdf file BEFORE THE END OF THE EXAM PERIOD
- There will be a "test" exam to allow you to see the format (not example questions)
- Exams will be open book & notes
- Use of google or help from another individual is not permitted and is considered academic dishonesty – see policies in the syllabus & University manual
- If you feel there is an error in the grading of your exam, you must bring this to my attention within 48 hrs of the graded exam being returned to you. No grade changes will be considered after this time

Grading

Online Homework, Smart Book, & Participation	20 %
3 of 4 Lecture Exams* (20 % each)	60 %
Final Exam	20 %
Total	100%

 Your final course average will be calculated using the following formula:

Course Avg. = (Homework Avg. \times 0.20) + (Exam Avg. \times 0.80)

- The homework average includes homework assignments, smart book assignments, & group work participation
 - Each homework assignment counts for a given number of points based on the number of questions
 - Each Smart Book assignment counts for 100 points
 - Each group work counts for 50 points
 - HWK Avg.=(pts. earned/total # of pts possible)*100
- To eliminate the need for make-up exams, you will be graded on 4 out of 5 exams.

Incomplete Policy

Incomplete grades <u>cannot</u> be assigned except in the case of a real emergency. Any grade of incomplete must be approved by the department chair and the dean. In order to receive an incomplete, a student's course work must have been passing and the student must have completed at least half of the coursework for the semester. Incompletes should be made up within one year of the semester in which the grade of incomplete was assigned. If an incomplete is not made up prior to the two year grade change deadline established by the University, the "I" will be replaced with a grade calculated for the student based on the work completed and including zeroes for any work not completed.

Getting Help

Make sure to seek help right away if you feel you are struggling with material

- Office hours will be held via zoom (webex also available by request)
 - Use Starfish to sign up for a time
 - If you prefer webex let me know
 - Email me to ask for a meeting outside of office hours
- Chemistry department TAs also hold office hours
 - There will be a single zoom address for TA help in gen chem
 - Can ask any 102 or 114 TA for help
 - Also two CHM 101 TAs Leah & Audreyana
 - Link to the TA office hour schedule will be posted in Brightspace as soon as it is available.
- AEC also offers tutoring (www.uri.edu/aec)

I am happy to help!!!



Your choices will determine your level of success

Watching the videos is important

- prepare in advance become familiar with key terms & ideas
- pay attention, write down questions to ask
- print out slides and use them to take notes on
- if you get tired, take a break & finish the video later!

Assignments are designed to help you learn

- focus on WHY you need to follow certain steps to solve problems rather than trying to memorize the steps
- ask yourself what you do and do not understand

• Complete assignments on time

- mastery of early material will help with material covered later
- avoid having assignments build up & losing points due to lateness

Seek help right away!

office hoursTAs via zoomAEC

General Course Schedule

SCHEDULE

Chapter	Title	Week/Date			
1	Chemistry: The Science of Change				
2	Atoms & the Periodic Table	1-3			
3	Quantum Theory & The Electronic Structure of Atoms				
Exam 1	Chapters 1-3	Thursday Oct. 1st			
4	Periodic Trends of the Elements				
5	Ionic & Covalent Compounds	4–6			
6	Representing Molecules				
Exam 2	Chapters 4-6	Thursday Oct. 22 nd			
7	Molecular Geom., Intermolec. Forces, & Bonding				
8	Chemical Reactions	7–9			
9	Chemical Reactions in Aqueous Solutions				
Exam 3	Chapters 7-9	Tuesday Nov. 17 th			
10	Energy Changes in Chemical Reactions				
11	Gases	10-14			
12	Liquids & Solids	10-14			
Exam 4	Chapters 10-12	Thursday Dec. 10th			
The Monday Dec. 14th make-up day will be used for an optional review day for the final					
*Final Exam: Thursday December 17th 8:00 - 11:00 am					

Notable Dates:

- Wednesday Sept. 30th: last day to drop courses with no transcript designation of "W"
- Monday Oct. 12th: Columbus Day, classes DO meet
- Wednesday Oct. 21st: last day for students to drop courses; dropping a course after this date will require the permission of your academic dean.
- Tuesday Nov. 3rd: Election day, classes DO NOT meet
- Wednesday Nov. 11th: Veteran's Day, classes DO NOT meet
- Wednesday Nov. 25th: Last day of face-to-face classes, last day of CHM 102 labs
- Monday Dec. 14th: last day of classes; Tuesday classes meet to make up for election day

Read the Syllabus!