

Chemistry 105-06 / Fundamental Chemistry I / 5 credits

University of Wisconsin-Stevens Point / Main Campus / Fall 2020

1. INSTRUCTOR INFORMATION

Dr. Kathryn McGarry
kmegarry@uwsp.edu
CBB 446 / 715-346-3328
The best way to contact me is by email.
I will do my best to respond within 24 hours.

Need Help? Visit me online!
Q&A sessions on Zoom:
Mon, Tues, Thurs between
1:30-3:30pm, book 10 minutes [here](#)
If you need to meet with me at a different time,
please send me an email to make an appointment.

2. COURSE DETAILS AT A GLANCE

- Lecture** *Asynchronous Online.* Materials will be posted on Mondays, Tuesdays, and Thursdays. An optional synchronous Zoom session will be held during our scheduled time on the first day of classes, **Tuesday, 9/3 starting at 2:20pm** for introductions and Q&A with the instructor. The Zoom link can be found on Canvas. I hope you will join us at this time!
- Discussion** *Synchronous Online.* Group practice problems will be held via Zoom during the following scheduled times.
Mondays at 9:00-9:50am (D1), 10:00-10:50am (D2), 11:00-11:50am (D3)
While these sessions are not mandatory, I hope you will attend so that you can get further practice with the material and connect with your fellow classmates.
- Laboratory** *Hybrid.* These sessions will occur asynchronously online and in-person (**in CBB 226**) during the following scheduled times.
Tues 8:00-10:50am (L1), Wed 11:00am-1:50pm (L3), Fri 8:00-10:50am (L2)
While attending lab in-person is critical for developing skills and techniques, we understand these are extraordinary times. An online-only option is available for students who cannot attend the in-person sessions. Please mark the corresponding question in the Welcome Survey if you will not be able to attend laboratory in-person this semester.

3. REQUIRED TEXT AND TOOLS

- Textbook** Tro, Nivaldo. Chemistry: Structure and Properties, 2nd edition, Pearson, 2018. (ISBN-13: 9780134293936). Available for purchase and rent through the bookstore.
- Laboratory Materials** We will be using LabFlow this semester to ensure seamless transition between in-person experiments and virtual experiments. LabFlow is required for all in-person and online labs. An access code to LabFlow is available for purchase through the bookstore. A printout of the Experimental Procedure for the lab from LabFlow is required for in-person labs (in lieu of a lab notebook).
- Safety Goggles** You are required to bring a pair of safety goggles with you to all in-person labs. Please purchase safety **goggles** (not safety glasses!) from the bookstore or online.
- Calculator** Your calculator must be capable of scientific calculations, either graphing or nongraphing.
- Technology and Support** Please make sure that you meet the technology requirements necessary to take an online course (see next page). More resources on technology can be found [here](#) and [here](#).

4. TECHNOLOGY REQUIREMENTS & RECOMMENDATIONS

Hardware

Computer or Computer Access	Guidelines for computer specifications can be found at this link . Equipment (laptop, media devices) can be borrowed for a two-day period through UWSP Information Technology at this page .
Webcam and Microphone (recommended)	A webcam and microphone allow your instructor and peers to see your face and hear your voice – it makes us feel like we are in the classroom! The use of this equipment is not required, but highly recommended. Please mark the corresponding question in the Welcome Survey if you will not have access to this equipment.
Printer (recommended)	For the in-person laboratories, you will need to bring a hard copy of the experimental procedure with you. Use of a smart phone or tablet to read the procedure in lab is discouraged in order to avoid chemical contamination of your personal device. Printers are available on the UWSP campus; information about their use and cost can be found here .

Network Connection

UWSP campus	Information on how to connect to the UWSP wireless network can be found here .
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Online Websites, Software, & Apps

Canvas	Canvas is an online learning management system where you can access information related to your course, including all course material and your current grade in the class. Canvas can be accessed at this link or from the UWSP homepage using the top right menu. If you cannot access our course once you are in Canvas, please let me know <i>ASAP</i> .
Zoom	Zoom is an online conferencing application that is available through UWSP. Information and tutorials can be found at this page .
LabFlow	LabFlow is a web-based laboratory program where you will be able to access laboratory videos, the laboratory experimental procedure, pre-lab quizzes, and post-lab reports. An access code to LabFlow is available for purchase through the bookstore or online through the site. Instructions on how to purchase LabFlow through the site can be found on Canvas.
Office 365	Access to Office 365 is provided to you free of charge through UWSP. Through Office 365, you can access all Microsoft applications (Word, Power Point, etc.) either through the online interface or by installing the Desktop apps onto your computer. Office 365 can also be linked to Canvas for various assignments. More information can be found at this link .
Honorlock	Honorlock is an online proctoring service that will be used to proctor your Midterm and Final Exams this semester. Honorlock allows you to take your exam from the comfort of your home at a time that works for you within the exam time window. Below are more specifics. Additional information about Honorlock can be found on our Canvas course site. <ul style="list-style-type: none">You DO NOT need to create an account or schedule an appointment in advance. Honorlock is available 24/7.

Honorlock
(continued)

- You will need a computer, a working webcam, a functional microphone, a stable Internet connection, and the Google Chrome browser. Google Chrome can be downloaded for free onto your computer through [this link](#).
- Before you get started, please review the Honorlock Student module in Canvas to familiarize yourself with Honorlock. All exam proctoring services, including Honorlock, can seem invasive because of the way they function. Honorlock will record your webcam, audio, and computer screen during your exam to help ensure integrity of the course for all users. Honorlock has been vetted and approved by both UW-Stevens Point and UW System, to ensure that it meets security and privacy requirements. If you have concerns, please contact me directly.
- Make sure you open Canvas using the Google Chrome browser to enable Honorlock.
- You are strongly encouraged to take the Honorlock Practice Quiz before attempting a graded exam. The Honorlock Practice Quiz will allow you to test Honorlock to ensure you are comfortable using the system and to ensure that your computer will function properly. You will need to open Canvas through the Google Chrome browser to take the Honorlock Practice Quiz.
- When you are ready to test, log into Canvas through the Google Chrome browser, go to your course, and click on your exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device.
- Honorlock support is available 24/7/365. If you encounter any issues, you may contact Honorlock support by live chat, phone (844-243-2500), and/or email support@honorlock.com.
- If you encounter issues with Canvas, please contact Canvas Support directly by clicking the Help Button (question mark inside a circle) located at the bottom of the left navigation bar in Canvas.

Google Chrome

Google Chrome is a web browser that is necessary for using Honorlock. In order to use Honorlock during the course exams, you will be required to use Google Chrome. For all other course related material, you can use whichever web browser you prefer.

Microsoft Lens
(recommended)

Microsoft Lens is a free scanner application for your smart device. This app will be useful if you need to digitize your handwritten work to share with your instructor or peers.

5. COURSE OUTCOMES AND COURSE GOAL

Foundational Chemistry consists of a lecture and laboratory portion. In lecture, you will explore fundamental concepts in chemistry, including: making measurements, atomic and molecular structure, chemical bonding, intermolecular forces, stoichiometry, reactions in aqueous solutions and thermochemistry. In lab, you will enhance your ability to observe, problem solve, document methods, and communicate scientific results. Whatever career path you choose, be it medicine, scientific research, or a field outside of the sciences, the information and skills you gain in this course will help you along the way.

Upon completion of Foundational Chemistry first semester, you will be able to:

- Explain major concepts, methods, or theories in the natural sciences to investigate the physical world.
- Interpret information, solve problems, and make decisions by applying natural science concepts, methods, and quantitative techniques.
- Describe the relevance of aspects of the natural sciences to your life and society.

My goal in this course is for you to cultivate your foundational skills in chemistry. Whether you realize it or not, chemistry is a part of your *everyday life*. This is a fascinating field, impacting the world every day with new discoveries and applications. I hope that by the end of this course you will find value in the various aspects of chemistry.

6. TIPS FOR SUCCESS

Throughout this semester, I am here to teach and provide you with tools, concepts, and methods that will help you understand this material, but ultimately your development rests on your studying practice. I do not believe you can learn chemistry purely by memorization. While there are some aspects to be memorized, overall, I believe this material is best learnt through *actively interacting with the material and working as many problems as possible*. Just as with any sport or musical instrument, the more you practice, the better you become. I believe the same is true for chemistry.

This course is structured to assist you in staying on top of this material. The text itself is structured with relevant problems throughout the chapter and a series of problems at the end of each chapter (with solutions to the odd problems in the back of the textbook) to assist you in practicing and learning. A recommended list of problems that you should complete after each lecture period will be provided to you to encourage you to stay on track. Additional problems for you to work will be provided through the lecture videos and during the discussion group work to ensure you have ample problems to practice. Daily graded assignments are intended to check your understanding and help you recognize areas you may need to spend more time on. Take advantage of these opportunities. I strongly suggest you work *all* of the problems in the book. Mastery of these problems is crucial for success on exams. **AVOID CRAMMING.**

Suggested class preparation and study routine:

1. Read relevant sections of the text and take notes. (Can be performed after step 2 if preferred.)
2. Watch the lecture videos and take notes. Re-watch videos as needed.
3. Re-write and organize your notes in conjunction with reading the relevant sections.
4. Have focused study sessions where you actively interact with the material and work homework problems. A schedule for daily problems in the textbook is provided to you!
5. Use Concept Checks and end of chapter quizzes (in your textbook) as a test of your comprehension.
6. Flag sections of the reading, your notes, and problems where you struggled and follow up with the instructor during office hours, by appointment, or seek help from the Tutoring-Learning Center or a peer.
7. Think about the study habits that are effective for you. Think about what study habits you have tried that are not as effective. Use the ones that work! (The Study Skills Surveys will help you with this.)

7. DR. MCGARRY'S FALL 2020 WEEKLY SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00		105 Lab 06L1 226			105 Lab 06L2 226
09:00	D1 – virtual	105 Lab 06L1 226			105 Lab 06L2 226
10:00	D2 – virtual	105 Lab 06L1 226			105 Lab 06L2 226
11:00	D3 – virtual		105 Lab 06L3 226		
12:00			105 Lab 06L3 226		
13:00			105 Lab 06L3 226		
14:00	Virtual Office Hour	Virtual Office Hour		Virtual Office Hour	Dept Meeting
15:00					
16:00					

Please note: virtual office hours are Question & Answer sessions with your instructor on Zoom! Please come see me during those hours with your questions so we can work on material you are struggling with.

8. COURSE GRADE COMPONENTS

Assignment	Unit Points	Total Points	% of Grade
Daily Concept Checks	30* × 5 points	= 150 points	26%
Midterm Exam	135 points	= 135 points	24%
Final Exam	135 points	= 135 points	24%
Laboratory Assignments	10* × 15 points	= 150 points	26%
Introduction Assignment	5 points	= 5 points	<1%

*high scores of these will be kept

Course Total = **575 points**

Tentative Grade Cutoffs:

A/A- = 100-90%; B+/B/B- = 89-80%; C+/C/C- = 79-70%; D+/D = 69-60%; F = 60%-0%

Grade cut-offs will not be raised but may be lowered at the instructor's discretion.

Notes on Grading:

Laboratory assignment points are as follows: 5 points for the Pre-Lab Quiz and 10 points for the Report. These point values are different than what you will see on LabFlow; however, your scored percentage will be used to assign final points.

In accordance with UWSP Department of Chemistry policy, a student **must achieve at least 70% of the points in the lecture (297.5/425 points) and lab (105/150 points) separately in order to pass this course with a C- or higher grade and move onto Chem 106.**

If you have questions concerning the grading, please make an appointment to discuss. I reserve the right to re-grade the entire assignment/exam.

9. COURSE POLICIES AND PROCEDURES: LECTURE & DISCUSSION

Introduction Assignment	The purpose of this assignment is so that everyone in the class can get to know each other a little bit. Due to the virtual nature of the course this semester, these introductions will be conducted using a discussion board on Canvas. To earn 5 points, please make a video introduction or an “About Me” infographic and post it to the discussion board by Monday, September 14 th at 11:59pm for your fellow students and I to see and respond.
Suggested Problems (Homework)	It is essential that you spend a significant amount of time solving problems outside of class to be able to successfully solve new problems that you will encounter on exams. This is a key aspect of successful study skills. Relevant chapter problems in the Tro textbook for each lecture period will be provided to you with the lecture materials which should be completed after you have watched the lecture video and read the textbook. After working the problems, check yours answers (odd problems only) which are found in the back of the textbook.
Concept Checks	The purpose of this assignment is to keep you accountable for the course material, provide you with a check of your understanding, and encourage you to maintain a regular schedule with your studying in this course. These checks will consist of 3-5 multiple-choice questions and be worth 5 pts each. You will have two chances to complete the check; the highest score between both attempts will be kept. The highest 30 scores of all possible will be kept for your final grade. You will be able to view the correct answers following your completion of the Concept Check (after all attempts have been made). These Concept Checks will be available once the lecture materials have been posted and will be due one week after the lecture.
Exams	There will be one two-hour Midterm Exam worth 135 points and a two-hour Final Exam worth 135 points. Both exams are cumulative, multiple choice, and will be proctored online using Honorlock. A document with reference information will be made available to you for each exam. Exams will be available in Canvas in a two-day window. The Midterm Exam will open at 4:00pm Wednesday, 10/28 and close at 6:00pm on Friday, 10/30. The Final Exam will open at 10:00am Monday, 12/14 and close at 12:00pm (noon) on Wednesday, 12/16. (Our scheduled final exam time is Monday, 12/14.) You will receive only the time remaining on the exam and not the full allotted time if you begin an exam without the allotted time prior to close (i.e. you must begin the final exam no later than 10:00am on Wednesday, 12/16 to receive the full two hours).
Discussion Participation	Discussion sections will be held synchronously online at the scheduled weekly times. These sessions are not mandatory, but students are encouraged to attend and interact with fellow students (and your instructor!). These sessions will consist of group problem solving activities. I hope that you will choose to attend these sessions.
Lecture Videos	Lecture materials and recordings for Chem 105 are protected intellectual property at UW-Stevens Point. Students in this course may use the materials and recordings for their personal use related to participation in this class. Students may also take notes solely for their personal use. If a lecture is not already recorded, you are not authorized to record my lectures without my permission unless you are considered by the university to be a qualified student with a disability requiring accommodation. [Regent Policy Document 4-1] Students may not copy or share lecture materials and recordings outside of class, including posting on internet sites or selling to commercial entities. Students are also prohibited from providing or selling their personal notes to anyone else or being paid for taking notes by any person or commercial firm without the instructor’s express written permission. Unauthorized use of these copyrighted lecture materials and recordings constitutes copyright infringement and may be addressed under the university’s policies, UWS Chapters 14 and 17, governing student academic and non-academic misconduct.

10. COURSE POLICIES AND PROCEDURES: LABORATORY

Schedule and Format	In order to adhere to the COVID-19 protocols for in-person meetings, students will be divided into two cohorts for the semester. If you will be completing the laboratory all online (online-only), please complete the Welcome Survey on Canvas by Friday, 9/4 to inform your instructor. Students who will be taking the labs in-person will be placed into cohorts after the surveys have been completed. Cohort assignments will be made available on Canvas. A laboratory schedule can be found at the end of the syllabus and on Canvas.
Safety and Behavior	General chemistry laboratory presents a unique learning environment in which you will encounter new techniques and hazardous chemicals. It is important that each of us take responsibility for our own safety as well as assisting in the safety of others. This means that you should be aware of your surroundings at all times and pay attention to chemical contamination on your skin, gloves, and clothing. You are expected to comply with the safety regulations outlined in the experiment handouts. Additionally, classroom behavior expectations for laboratory are the same as for lecture and discussion.
Assignments	All laboratory assignments for Chem 105, regardless of which lab format you choose, will be completed on the web-based program LabFlow. Laboratory videos, pre-lab quizzes and post-lab assignments will all be available through this platform. An access code can be purchased through the bookstore. All assignments (Pre-lab Quiz and Report together is one assignment) are worth 15 points and the highest 10 scores of all possible will be kept for your final grade.
Lab Drawers	For hybrid format only. On the first day of lab, each student will check into a drawer and becomes responsible for the drawer contents from the day of check-in until locker check-out at the end of the semester (the week before Thanksgiving for this semester). You will be provided a lock and combination; it is your responsibility to unlock and lock your drawer every lab period.

11. COVID-19 PROTOCOLS

As we continue to move through the COVID-19 pandemic, a series of protocols have been developed by the university to keep everyone healthy and safe. For our course, the laboratory will be the only in-person experience we have during the semester. Please adhere to the following protocols:

Face Coverings	At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the Disability and Assistive Technology Center to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.
Other Guidance	<ul style="list-style-type: none">• Please monitor your own health each day using this screening tool. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).• As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus.• Maintain a minimum of 6 feet of physical distance from others whenever possible.• Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.• Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.• Please maintain these same healthy practices outside the classroom.

12. COURSE POLICIES AND PROCEDURES: GENERAL

Attendance	Due to the mostly virtual format of this semester, “attendance” will be measured through completion of assignments. Flexibility has been built into the course with the due dates and dropped assignments. I pay attention to attendance because it helps me identify students who are struggling with the course.
Late Work	Late work will be accepted with a 25%-point deduction each day late.
Make-Up Policy for Laboratory	Due to the nature of this semester, missed in-person labs due to an excusable circumstance (see below) may receive a deadline extension for the report, if necessary, but the lab will be performed online. Missed in-person labs for any other reason (such as oversleeping) will not receive a deadline extension and the lab will be performed online. Please inform your instructor if you are going to miss an in-person lab that you were scheduled to attend.
Make-Up Policy for Exams	The Midterm and Final Exams are scheduled so that you can take it at a time that suits your schedule. If during the allotted time you encounter an excusable circumstance, please inform your instructor immediately so an accommodation can be made.
Excusable Circumstances for Make-Ups	<ul style="list-style-type: none">• UWSP Athletic event• Armed forces related training or drills• Medical emergency• Death in the family• An event related to your religious beliefs as outlined here under <i>Rights and Responsibilities</i>.• A child or dependent related emergency
Course Accommodations	I want all students to have access to the tools they need to be successful in this course. Any student who anticipates they may need an accommodation based on the impact of a disability (including mental health, chronic or temporary medical condition) is encouraged to speak with the Disability and Assistive Technology Center (DATC) in order to determine appropriate accommodations for their needs. Please follow up with me after accommodations have been determined. More information about the DATC can be found at this page .
Academic Integrity	Academic Standards will be rigorously enforced as outlined here under <i>Rights and Responsibilities</i> . A violation of this policy will result at a minimum in a zero for the work involved and may lead to an F in the course or further disciplinary action, depending on the nature of the infraction.
Classroom Behavior	UWSP values a safe, honest, respectful, and inviting learning environment. To ensure that each student has the opportunity to succeed, a code of behavior has been developed for all students and instructors which can be found here under <i>Rights and Responsibilities</i> . All students in Chem 105 are expected to adhere to this policy for all in-person and synchronous online meetings as well as all online discussion boards.
Bonus Opportunities	There are a few opportunities to gain bonus points in this course throughout the semester. By completing the Study Skills Surveys, you will be able to earn up to 5 bonus points. By completing the Creative Connections, you will be able to earn up to 8 bonus points. All opportunities are available to all students and more information about these opportunities can be found on Canvas.

13. ADDITIONAL STUDENT RESOURCES

Tutoring-Learning Center (TLC) This semester, the Tutoring-Learning Center (TLC) offers free group tutoring for specific classes (ours included!), free drop-in tutoring, and free one-on-one tutoring (upon request) to support you in your classes. These services will all be held virtually via Zoom or GoBoard. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and chemistry content knowledge to help others succeed. Discussing chemistry concepts and practicing problems together clarifies and solidifies knowledge, and the tutors are eager to study with you. More information about these options can be found [here](#).

University Counseling Center College is an exciting and challenging time that brings both expected and unexpected stressors. These stressors can have a profound effect on a student's quality of life and academic performance. The UWSP Counseling Center is committed to helping students get the most from their college experience. The Counseling Center uses diverse, but proven approaches to enhance students' social, emotional, and developmental well-being. The Counseling Center is staffed with licensed mental health professionals dedicated to assisting students as they navigate difficult circumstances or resolve personal concerns. More information can be found [here](#).

Title IX Reporting Students are encouraged to report incidents of sexual misconduct by using the anonymous link or speaking with a Title IX coordinator or the Dean of Students. More information can be found [here](#).

Emergencies Information on how to respond to various emergency situations that may arise on campus can be found [here](#).

UWSP Police and Security Services Students can reach UWSP Police and Security Services at 715-346-3456 in emergencies or to utilize the Safe Way Home program, which assists students in finding a safe way home from campus 24/7. Additional information about UWSP Police and Security Services and this program can be found at [this page](#).

More Resources Looking for more help? Try these websites:

- Check out [this page](#) for general student resources at UWSP.
- The TLC has compiled a list of resources that can be accessed [here](#).
- Use [this link](#) to access a list of resources compiled by the Dean of Students.
- The UWSP Student Handbook can be found [here](#).
- [This page](#) contains additional resources compiled by Student Affairs.

Additionally, don't forget to read through the **Suggestions for Students Learning in an Online Environment** document which I compiled from various sources and can be accessed on our Canvas course site.

CHEM 105 Lecture Course Calendar Fall 2020 *Italics indicates graded item*

Wk	Monday Lecture	Tuesday Lecture	Thursday Lecture
1	8/30 No Class	9/1 No Class	9/3 Introduction/Syllabus Zoom Session 2-20pm
2	9/7 No Class: Labor Day	9/8 Unit 1: Units & Energy <i>CC 1.1</i>	9/10 Unit 1: Measurements and Sig Figs <i>CC 1.2</i>
3	9/14 Unit 1: Dimensional Analysis <i>CC 1.3, Intro Assignment</i>	9/15 Unit 1: The Mole <i>CC 1.4</i>	9/17 Unit 1: Concentration <i>CC 1.5</i>
4	9/21 Unit 2: Matter/The Atom <i>CC 2.1</i>	9/22 Unit 2: Light & Quantum Mechanics <i>CC 2.2</i>	9/24 Unit 2: Quantum Numbers <i>CC 2.3</i>
5	9/28 Unit 2: Electron Configurations and the Periodic Table <i>CC 2.4</i>	9/29 Unit 2: Quantum Theory and Electrons <i>CC 2.5</i>	10/1 Unit 3: Ionic Bonding <i>CC 3.1</i>
6	10/5 Unit 3: Compound Naming <i>CC 3.2</i>	10/6 Unit 3: Compound Composition <i>CC 3.3</i>	10/8 Unit 3: Compound Composition <i>CC 3.4</i>
7	10/12 Unit 4: Lewis Structures <i>CC 4.1</i>	10/13 Unit 4: Lewis Structures <i>CC 4.2</i>	10/15 Unit 4: VSEPR <i>CC 4.3</i>
8	10/19 Unit 4: Polarity <i>CC 4.4</i>	10/20 Unit 4: Valence Bond Theory <i>CC 4.5</i>	10/22 Unit 5: Balancing Chemical Reactions. <i>CC 5.1</i>
9	10/26 Unit 5: Stoichiometry <i>CC 5.2</i>	10/27 Midterm Review	10/29 MIDTERM EXAM (Units 1-4) 4:00pm, 10/28 to 6:00pm, 10/30
10	11/2 Unit 5: Stoichiometry <i>CC 5.3</i>	11/3 Unit 5: Solution Stoichiometry <i>CC 5.4</i>	11/5 Unit 6: Precipitation Reactions <i>CC 6.1</i>
11	11/9 Unit 6: Acids and Bases <i>CC 6.2</i>	11/10 Unit 6: Acids and Bases <i>CC 6.3</i>	11/12 Unit 6: Titrations <i>CC 6.4</i>
12	11/16 Unit 6: Redox Reactions <i>CC 6.5</i>	11/17 Unit 7: Thermochemistry <i>CC 7.1</i>	11/19 Unit 7: Calorimetry <i>CC 7.2</i>
13	11/23 Unit 7: Hess's Law/Enthalpies <i>CC 7.3</i>	11/24 Unit 7: Heat & Work <i>CC 7.4</i>	11/26 No Class: Thanksgiving
14	11/30 Unit 8: Kinetic Molecular Theory <i>CC 8.1</i>	12/1 Unit 8: Simple Gas Laws <i>CC 8.2</i>	12/3 Unit 8: Ideal Gas Law <i>CC 8.3</i>
15	12/7 Unit 8: Applications of Gas Laws <i>CC 8.4</i>	12/8 Unit 8: Partial Pressures <i>CC 8.5</i>	12/10 Final Review
16	FINAL EXAM (Units 1-8) 10:00am, 12/14 to 12:00pm (noon), 12/26		