THE OHIO STATE UNIVERSITY

CHEMISTRY 1210 – General Chemistry I
Spring 2026 Lecture Syllabus

MWF | 4:10pm–5:05pm | McPherson 1000
5 credit hours

Introduction

Instructional Team

Role	Name	Email
Lecturer	Dr. Patrick Chaffin	chaffin.134@osu.edu
Lab Supervisors	Dr. Bernice Opoku-Agyeman and Dr. Camila Fontes Neves da Silva	chem1210labsupervisor@osu.edu
Course Coordinator	Sophie White	genchem@osu.edu
Office Contact	Holly Wheaton	wheaton.4@osu.edu
TA	Varies with recitation/lab section	Provided in recitation/lab.

Please see the Contacts page in Carmen for information on your instructors and who to contact for your unique needs.

Welcome to CHEM 1210!

We are so glad you are here and are excited to explore general chemistry concepts with you this semester. Our goal is that you leave this course with an appreciation of how chemistry impacts your everyday lives. We also want to provide you with the foundational chemistry concepts that will facilitate your success in future science courses and careers. Our team of lecturers and administrators are deeply committed to supporting your learning journey.

This syllabus outlines the resources, policies, and procedures that will ensure your success in this course. Please familiarize yourself with this syllabus and keep it in a convenient place for reference throughout the semester (buckle up—it's a big course, so it's got a big syllabus). If you have questions or concerns about the syllabus itself, please contact your lecturer, Dr. Patrick Chaffin at chaffin.134@osu.edu.

Undergraduate Office

614-292-1204, Celeste Laboratory, room 110 (CE 110). Holly keeps us afloat from there and has the answers to life's big and small questions. Stop by any time Monday–Friday, 8:00am–4:30pm for assistance (but if you're going to ask Holly what the meaning of life is, maybe call first and schedule an appointment).

Required Materials

The following materials are required for the course:

Textbook & Homework Software

An electronic copy of the textbook and online homework software (MasteringChemistry) for the lecture portion of this course are provided through the Carmenbooks program. ***You do NOT need to independently purchase a textbook for the course***; instead, you will be charged for your access to the e-text and online homework software through a "Carmenbooks" fee on your statement of account. You can learn more about the e-textbook fee for this course by visiting the Textbook Information Carmen page.

If you work better with a hard copy of the textbook, you can purchase one at a bookseller of your choice. A hard copy of the text is not sold in the university bookstore. The textbook is *Chemistry: The Central Science*, 15th edition, by Brown, LeMay, Bursten, Murphy, Woodward, & Stoltzfus.

Tablet or Laptop

Exams will be administered through LockDown Browser and **must** be taken on a tablet or laptop.

Before Monday, January 19, follow the instructions on the Preparing Your Device for Exams Carmen page to make sure your device meets the minimum requirements for using LockDown Browser.

If you do not already own a device or if your device does not meet the minimum device requirements, AND you qualify for financial aid, you may borrow a device through the Student Technology Loan Program. Submit your loan request by the end of day Monday, January 19 to ensure you are prepared for your first exam.

Approved Calculator

All components of CHEM 1210 require a calculator. Only four calculator models are approved for use in this course. Please note that these are the only calculators permitted during exams:

- Texas Instruments TI-30XIIS
- Texas Instruments TI-30Xa
- Texas Instruments TI-83
- Texas Instruments TI-84
- *Plus and Plus CE models of the above calculators are also permitted.*

If you do not already own one of these calculators, the most cost-effective models are the TI30XIIS and the TI30Xa. You can purchase your calculator at the retailer of your choice.

Required Laboratory Materials

Details are found in your Lab Syllabus.

Course Components

Your CHEM 1210 course consists of four components that meet at different times.

Lecture

- ***Three sessions per week, 55 minutes***
- **10% of final course grade** (homework from lecture)
- Your lecture schedule appears on pages 9-10.
- Your lecturer will assign homework through Mastering Chemistry. While each assignment may have a unique due date set by your lecturer, no homework assignments will be accepted after **Friday, May 1 at 11:59 PM**.
- Though attendance is not directly graded in lecture, being present and engaged during lecture sessions is integral to your understanding of the course material.
- Your point of contact for lecture is Dr. Chaffin. You can email him at chaffin.134@osu.edu. You can find his office hours information on the Contacts page in Carmen.

Recitation

- ***One session per week, 55 minutes***
- **10% of final course grade**
- A description of how recitations are conducted, graded, and scheduled appears on page 11.
- Your class BuckeyeLink schedule lists 2 lab times per week, but the 55-minute "lab" is your recitation meeting.
- Your point of contact for recitation is your recitation TA, who you will meet on your first day of recitation. Your TA will give you their contact information at that time.

Lab

- ***One session per week, 2 hours 55 minutes***
- **20% of final course grade**
- The policies, procedures, and schedules for the lab component of this course appear in your lab syllabus.
- The lab portion of this course is worth 20% of your total course grade. However, a minimum of 50% of the total lab points is required to pass the overall course. See your lab syllabus for more information.
- Your first point of contact for lab is your lab TA, who you will meet on the first day of lab. For more complicated questions and concerns about lab, contact your Lab Supervisors at chem1210labsupervisor@osu.edu.

Exams

- ***Four 50-minute midterms and one 105-minute final***
- **60% of final course grade** (4 regular exams at 10% each and 1 final exam at 20%)
- Midterm exams will be administered in-person during specified class sessions.
- The final exam will be held in-person according to the university registrar's final exam schedule.
- Exam information and the exam schedule appear on page 12.
- Your point of contact for exams is your Course Coordinator, Sophie White, at genchemexams@osu.edu. Please state your course, lecturer, and lecture time in your email.

Course Information and Policies

Communication

Your instructional team will communicate important information to you throughout the term via Carmen announcements and your Buckeyemail email account. Please verify that your OSU email is set up appropriately on your electronic devices so we can keep in touch. We highly recommend that you check email and Carmen at least once per day.

CarmenCanvas

Carmen is the Learning Management System (LMS) used at Ohio State. It is the central hub from which your course will be conducted. Everything you need for the course is available in and communicated through Carmen, so daily engagement with it is crucial to your success in this course. It is important that you check your Carmen notification settings to ensure you receive course announcements in a timely manner. You can learn how to set up Carmen notifications by visiting the Carmen Notification Preferences Guide.

Log in to Carmen to:

- Access your textbook and course materials
- Read important announcements
- Complete assignments
- Turn in lab reports
- Take exams
- View your grades
- Find complete policies
- Locate learning and personal resources

A free Canvas app is available to download for both Android and iOS, making it easy to log in to your course from anywhere.

Enrollment Information

In accordance with federal regulations (Title IV), we must report your attendance status to the University Registrar after the first week of classes. The Academic Misconduct Quiz is the assignment we use to gauge your enrollment in the course. You may also hear this assignment referred to as "The COAM Quiz." If you do not complete the quiz by **11:59 PM, Sunday, January 18**, you will be reported to the Registrar as "non-attending," which may lead to disenrollment and problems with your financial aid.

Switching Sections

Stop by the office (Celeste 110) or email Holly (wheaton.4@osu.edu) before **Friday, January 23** to switch sections. When you switch sections, ask your TA to transfer the grades you have already earned to your new section. They will be sad to see you go.

Switching between sections of General Chemistry is not permitted after **Friday, January 23**.

In accordance with the missed laboratory policy detailed in the Laboratory Syllabus, if you know you will miss more than one laboratory period (for reasons such as OSU athletic competitions, military training or duties, or religious observances), please see/contact Holly by **Friday, January 16** to move to a laboratory section that minimizes scheduling conflicts.

University Policies

This course adheres to University policies related to Academic Misconduct, Artificial Intelligence, Religious Accommodations, Disability Accommodations, Intellectual Diversity, Grievances and Solving Problems, and Creating an Environment Free from Harassment, Discrimination, and Sexual Misconduct. For more information about any of these policies, please visit the Office of Undergraduate Education Standard Syllabus Statements webpage.

Changes to the Syllabus

ONLY the Lecturer, Lab Supervisor, and Course Coordinator of the course may modify due dates and assignment details in this syllabus. Teaching Assistants are not authorized to alter any syllabus information or course policies.

Absence and Closing Policies

Absences

If you're unable to attend class, it is important that you follow the posted procedures to ensure you stay on track. Each course component has unique procedures:

- **Exams:** Read the Alternate and Make-up Exam Policy or Make-up Final Exam Policy, then submit the application linked within.
- **Labs:** Refer to the lab syllabus for lab absence policies and procedures.
- **Recitation:** One graded recitation will be dropped automatically. If you will miss more than one, contact Dr. Chaffin at chaffin.134@osu.edu. Additional absences may be excused at their discretion.
- **Lecture:** Lecture attendance is not graded, but you may contact Dr. Chaffin at chaffin.134@osu.edu to check in on what you missed.

Documentation may be required. Any non-emergency absence requests that are not approved within the first 14 days of the semester will be evaluated based on provided documentation and may not be approved.

Faith-related Absences

In accordance with Ohio State policy, you may be absent from this class for **up to three days** to observe sincerely held religious beliefs and practices, or to participate in organized activities conducted under the auspices of a religious or spiritual organization.

To request a faith-related absence in CHEM 1210:

- You must notify genchem@osu.edu IN WRITING of ALL specific dates for which you are requesting religious accommodations **no later than Monday, January 26.**

- If your requested absence falls on the date of an exam, you must also complete the Alternate and Make-up Midterm or Make-up Final Exam application for that absence by **Monday, January 26**.

All members of your instructional team will keep your requests confidential and will work with you to determine accommodations that will support your success in the class. If you have questions about this policy or need assistance, please contact your Course Coordinator at genchem@osu.edu.

University Short-Term Closing

University Short-Term Closing refers to an official temporary shutdown of the university due to severe weather or another critical reason in which the duration is less than five days. Information on university closings is available on the Ohio State Department of Public Safety campus status website or by phone at 614-247-7777. You are encouraged to ensure you are registered for Buckeye Alert Text Messaging System.

Should in-person classes be canceled university-wide, this course will follow the guidance below to ensure continuity of instruction:

- **Lecture and Recitation:** Dr. Chaffin will notify you of alternative methods of instruction. Communication will be via CarmenCanvas.
- **Lab:** The lab supervisors will notify you of alternative methods of completing lab activities. Communication will be via announcements posted in your CarmenCanvas course or via email sent to you by chemlabsupervisor@osu.edu or your lab TA.
- **Exams:** If an exam is scheduled during a short-term closing, it may be postponed or moved to an online format. You will receive updated exam details, including format and timing, via Carmen announcements.

Goals and Outcomes

Chemistry 1210 is a physical science course in the natural science category of the GE, which has the following goals and learning outcomes:

1. Explain basic facts, principles, theories and methods of modern natural sciences, and describe and analyze the process of scientific inquiry.
2. Identify how key events in the development of science contribute to the ongoing and changing nature of scientific knowledge and methods.
3. Employ the processes of science through exploration, discovery and collaboration to interact directly with the natural world when feasible, using appropriate tools, models and analysis of data.
4. Analyze the inter-dependence and potential impacts of scientific and technological developments.
5. Evaluate social and ethical implications of natural scientific discoveries.
6. Critically evaluate and responsibly use information from the natural sciences

Grading

Your performance in this course will be evaluated based on the components below**. There is no extra credit.** If you have a concern or question about a grade, please contact Dr. Chaffin promptly and we will work to adjust any inconsistencies in a timely manner.

Individual assignments within the Recitation, Online Homework, and Laboratory categories will be scaled to contribute toward the established percentage of your total course grade:

Assignment Group	Weight (%)
Mandatory Quizzes	--
Recitation	10%
Online Homework	10%
Exam 1	10%
Exam 2	10%
Exam 3	10%
Exam 4	10%
Final Exam	20%
Laboratory	20%

Mandatory Academic Misconduct Quiz

This assignment does not contribute to your course grade but must be completed with a 100% score to pass this course. The Academic Misconduct Quiz not only confirms your enrollment in the course, but also teaches you about academic integrity, which we take very seriously.

You must complete this quiz (with any score) by **11:59 PM on Sunday, January 18** to confirm your participation in the course. If you do not complete the quiz by the January 18 deadline, you will be reported to the Registrar as “non-attending” in accordance with Federal Title IV guidelines, which may lead to disenrollment and problems with your financial aid.

The deadline to score 100% on the quiz is **8:00 AM on Wednesday, April 29**. You may retake the quiz as many times as you need to receive 100%. **If your score on the Academic Misconduct Quiz is less than 100% as of 8 AM on April 29, your final course grade will be reduced by one full letter** (e.g., if you earn a B+ in the course but do not meet the requirement, your final grade will be a C+).

Additionally, the lab component of your course requires you to complete mandatory assignment/s before you can participate in laboratory activities. That information is in your lab syllabus.

Course Letter Grade Assignment

Once your overall point total (final score) has been calculated using the weighting scheme shown above, your letter grade will be assigned based on the following scale:

Total Score (%)	Letter Grade
93 ≤ x < 100	A
89 ≤ x < 93	A−
85 ≤ x < 89	B+
81 ≤ x < 85	B
77 ≤ x < 81	B−
73 ≤ x < 77	C+
68 ≤ x < 73	C
64 ≤ x < 68	C−
60 ≤ x < 64	D+
55 ≤ x < 60	D
x < 55	E

If exam performance falls outside of historical norms the department retains the right to make changes in the grading scale. Dr. Chaffin is happy to clarify the grading process and discuss your performance in this course.

Past data unfortunately shows that students who have achieved a D in 1210/1610 are not successful in CHEM 1220. We recommend continuing onto 1220/1620 only if you earn a minimum of a C- or better in 1210/1610.

Component Descriptions and Schedules

Lecture

The only grades associated with the lecture component of your course are the online homework grades you earn through the Mastering Chemistry program in Carmen. Your homework score is worth 10% of your overall score in the course, but beyond that, the more homework and practice problems you complete, the better prepared you will be for exams.

Lecture topics will be covered according to the schedule below.

Lecture Topics

Chapter	Topics
Chapter 1	**Introduction: Matter and Measurement:** The study of chemistry; classifications of matter; properties of matter; units of measurement; uncertainty in measurement; dimensional analysis
Chapter 2	**Atoms, Molecules, and Ions:** Atomic theory of matter; discovery of atomic structure; modern view of atomic structure; atomic weights; periodic table; molecules & molecular substances; ions & ionic compounds; naming compounds
Chapter 3	**Chemical Reactions and Stoichiometry:** Chemical equations; simple patterns of chemical reactivity; formula weights; Avogadro's number & the Mole; empirical formulas form analyses; quantitative information from balanced equations; limiting reactants
Chapter 4	**Reactions in Aqueous Solutions:** General properties of aqueous solutions; precipitation reactions acids, bases & neutralization reactions; oxidation-reduction reactions; concentrations of solutions; solution stoichiometry & chemical analysis
Chapter 5	**Thermochemistry:** Energy; the first law of thermodynamics; enthalpy; enthalpies of reaction; calorimetry; Hess's Law; enthalpies of formation
Chapter 6	**Electronic Structure of Atoms:** Wave nature of light; quantized energy & photons; line spectra & the Bohr model; wave behavior of matter; quantum mechanics & atomic orbitals; representations of orbitals; many-electron atoms; electron configuration; electron configuration & the periodic table
Chapter 7	**Periodic Properties of the Elements:** Development of the periodic table; effective nuclear charge; size of atoms & ions; ionization energies; electron affinity; metals, nonmetals & metalloids
Chapter 8	**Basic Concepts of Chemical Bonding:** Lewis symbols & the octet rule; ionic bonding; covalent bonding; bond polarity & electronegativity; drawing Lewis structures; resonance structures; exceptions to the octet rule; strength & length of covalent bonds
Chapter 9	**Molecular Geometry and Bonding Theories:** Molecular shapes; VSEPR model; molecular shape & molecular polarity; covalent bonding & orbital overlap; hybrid orbitals; multiple bonds; molecular orbitals; period 2 diatomic molecules
Chapter 10	**Gases:** Characteristics of gases; pressure; the gas laws; the ideal-gas equation**;** gas mixtures & partial pressures; kinetic-molecular theory of gases; molecular effusion & diffusion; real gases: deviation from ideal behavior
Chapter 11	**Liquids and Intermolecular Forces:** A molecular comparison of gases, liquids & solids; intermolecular forces; select properties of liquids; phase changes; vapor pressure; phase diagrams
Chapter 12	**Solids and Modern Materials:** Classification of solids; structure of solids

Lecture Schedule

Week	Monday	Wednesday	Friday
Jan 12–16	Intro to Course	1.1-1.5	1.6-1.7
Jan 19–23	**No Classes**	2.1-2.5	2.6-2.8
Jan 26–30	2.8-2.9	3.1-3.3	3.4-3.5
Feb 2–6	Exam 1 Review	3.6-3.7	4.1-4.2
Feb 9–13	4.3	4.4-4.5	4.6, 5.1
Feb 16–20	5.2-5.3	5.4-5.5	5.6-5.7
Feb 23–27	Exam 2 Review	5.8, 6.8-6.9	6.1-6.2
March 2–6	6.3-6.4	6.5-6.7	7.1-7.3
March 9–13	7.3-7.4	Exam 3 Review	**Exam 3**
March 16–20	**No Classes**	**No Classes**	**No Classes**
March 23–27	8.1-8.3	8.3-8.5	8.5-8.6
Mar 30–Apr 3	8.7-8.8	5.8, 9.1-9.2	9.2-9.3
April 6–10	9.4-9.5	9.6-9.7	9.8, 11.1-11.2
April 13–17	Exam 4 Review	12.1-12.2, 11.3	10.1-10.2, 10.5
April 20–24	10.3-10.4	10.6-10.7	11.4-11.6
Apr 27–May 1	Final Review		

Recitation

Recitation is a small-group class designed to give you a space to review and practice what you've covered in lecture. Your TA will fearlessly lead you in graded recitation activities, but recitation is also a place to ask questions about lecture, about your textbook, and about homework assignments. Regular engagement in recitation will contribute to your mastery of the material.

Your recitation grade will consist of a total of 10 graded recitation assignments. Your lowest ONE recitation score will be dropped. Recitations missed for any reason will be scored as a zero and counted towards your drop.

To earn points for your recitation assignments, you will need to attend recitation, participate in discussions or group work, and turn in your assignment on CarmenCanvas by the due date. Each recitation is worth 10 points: 2 points for simply showing up, 6 points for participating, and 2 points for turning the assignment in on time. Turning in the assignment late loses 1 point per day, up to a max of 2 points.

Points earned in recitation will be scaled to contribute 10% to your total course grade.

Recitation Schedule

Week	Tuesday
Jan 12–16	Recitation 1
Jan 19–23	Recitation 2
Feb 2–6	**Exam 1**
Feb 9–13	Recitation 3
Feb 16–20	Recitation 4
Feb 23–27	**Exam 2**
March 2–6	Recitation 5
March 9–13	Recitation 6
March 16–20	**No Classes**
March 23–27	Recitation 7
Mar 30–Apr 3	Recitation 8
April 6–10	Recitation 9
April 13–17	**Exam 4**
April 20–24	Recitation 10

Laboratory

Please consult your lab syllabus for lab schedules, policies, and procedures.

Exams

Midterm exams are administered in person during class. The final exam will be held in person according to the Registrar's final exam schedule. See the schedule below for dates.

All exams must be completed on a tablet or laptop using LockDown Browser. See the Required Materials section of this syllabus (page 2) for more information.

Exam Schedule

Exam	Date	Coverage
Exam 1	Tuesday, February 3, in recitation	Ch 1 and Ch 2
Exam 2	Tuesday, February 24, in recitation	Ch 3 and Ch 4
Exam 3	Friday, March 13, in **lecture**	Ch 5.1−5.7 and Ch 6
Exam 4	Tuesday, April 14, in recitation	Ch 5.8, 7.1−7.4, 8, and 9
Final Exam	Monday, May 4 from 4:00pm–5:45pm	Exams 1−4, and Ch 10, Ch 11.1–11.6, Ch 12.1–12.2

Make-up Exams

Since exams are administered during scheduled class meetings, there are limited opportunities for make-up exams. That said, we understand that things such as illness and emergency may prevent you from taking an exam as scheduled above. For this reason, we offer two types of alternative testing sessions: "Alternate" exams and "Make-up" exams. Full details are found in the Alternate and Make-up Midterm Policy and Make-up Final Exam Policy in your Carmen course. It is important that you read the policies carefully, **as alternative testing sessions will only be provided to students who follow the policy instructions and deadlines.**

All requests must be submitted through the application, which is linked at the bottom of the appropriate policy. Requests are not accepted through email. **Submission of the application does not guarantee an alternative exam time will be granted,** as all applications are subject to the policy and must be evaluated for approval. You should submit your application as early as possible, so that you receive a response as early as possible.

The Course Coordinators evaluate Alternate and Make-up exam applications, and schedule exams for all General Chemistry courses. Dr. Chaffin cannot arrange alternative or make-up exams, so if you need one, please do not contact them. Simply submit the application and it will reach the coordinators for consideration. You can also reach your Coordinator at genchemexams@osu.edu. Please state your course (CHEM 1210), lecturer, and lecture time in your email.

Resources for Academic Success

Supplemental Lecture Videos:

To support your learning, we provide short lecture videos to supplement (not replace) some of the topics covered in your in-person lectures. Your actual lecture will be more interactive, personalized to your needs, and tailored to the content on your exams. That said, the videos can help you review or better understand some of the topics covered in lecture. Links to the videos are—you guessed it—available on Carmen in the "Supplemental Videos" module.

General Chemistry Success Centers:

As a student enrolled in general chemistry, you have access to multiple Success Centers staffed by teaching assistants dedicated to helping you succeed in the course. The first location is the Learning Resource Center (LRC) in Celeste Lab 170, which focuses on lecture-related topics. Here, you can receive personalized assistance, clarify concepts covered in lectures, and address individual questions about various aspects of the course. For laboratory-related support, visit Celeste Lab 205. **It is highly recommended that you take full advantage of these resources to enhance your understanding and performance in both the lecture and laboratory components of your general chemistry course.** To make the most of your visits, come prepared with specific questions or topics you need help with, bring your course materials, and be ready to actively engage in the learning process. Hours and staffing schedules for the Success Centers will be linked in the How to Get Help Carmen page.

Additional Resources:

The Campus Resources page in Carmen offers links for help with everything from course content to mental health to finances and extracurricular involvement. It is a good place to start if you aren't sure where to go for information or assistance. Carmen is truly the beginning and end of all things.

Disability Services:

The general chemistry program strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), reasonable accommodations can be established in partnership with Student Life Disability Services (SLDS).

IMPORTANT: Applying for and using SLDS accommodations in general chemistry is a multi-step process that involves working with both the SLDS office and our office. Please follow each of these steps:

1. First, follow the instructions on the Requesting SLDS Accommodations in General Chemistry Carmen page.
2. Second, follow the instructions on the Using SLDS Accommodations in General Chemistry Carmen page. It is very important that you read these instructions carefully.
3. Finally, **carefully read all correspondence you receive regarding your SLDS accommodations.** You will receive emails from both SLDS and the general chemistry instructional team.

We understand that this setting up SLDS accommodations can be a confusing and daunting process, but Holly is especially good at navigating it, so please reach out to her if you have any questions or uncertainties. You can stop in the office, call (614-292-6009), or email Holly for help.

Disability Services Contacts

Contact	Email	Phone	Address
SLDS	slds@osu.edu	614-292-3307	098 Baker Hall
Holly Wheaton	wheaton.4@osu.edu	614-292-1204	110B Celeste Lab

Mental Health Resources:

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing.

If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614-292-5766. CCS is located on the 4th floor of the Younkin Success Center and 10th floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614-292-5766 and 24-hour emergency help is also available through the 24/7 by dialing 988 to reach the Suicide and Crisis Lifeline.

Academic Conduct in General Chemistry

Some examples of academic misconduct in General Chemistry:

On exams:

- Having another person take your exam.
- Receiving assistance from another person while taking the exam (including looking at another student's exam without their knowledge).
- Taking screenshots or photos of the exam.
- Using screen sharing software during the exam.
- Sharing or receiving exam questions or materials in group chats, text messages, phone calls, or on websites, apps, and the like.
- Using notes on the exam.
- Using an unapproved calculator on the exam.

On Lab Reports:

- Altering or "making-up" lab data

- Submitting a previously completed lab report (whether completed by yourself or someone else). Self-plagiarism (i.e.: submitting your own work from another course or semester) is expressly forbidden.
- Copying lab reports from another individual (reports may be submitted to TurnItIn, an originality checker.)
- Working in a group to complete your lab report
- For more information about academic misconduct in the lab portion of your course, see your lab syllabus.

Tips for avoiding academic misconduct[1]:

1. **Know Your Rights.** Do not let other students in your class diminish the value of your achievement by taking unfair advantage. Report any academic integrity violation you see.
2. **Acknowledge Your Sources.** Whenever you use words or ideas that are not your own when writing a paper, use quotation marks where appropriate and cite your source in a footnote, and back it up at the end with a list of sources consulted.
3. **Protect Your Work.** In examinations, do not allow your neighbors to see what you have written; you are the only one who should receive credit for what you know.
4. **Avoid Suspicion.** Do not put yourself in a position where you can be suspected of having copied another person's work, or of having used unauthorized notes in an examination.
5. **Do your own work.** The purpose of assignments is to develop your skills and measure your progress. Letting someone else do your work defeats the purpose of your education, and may lead to serious charges against you.
6. **Never falsify a record or permit another person to do so.** Academic records are regularly audited and students whose grades have been altered put their entire transcript at risk.
7. **Never fabricate data, citations, or experimental results.** Many professional careers have ended in disgrace, even years after the fabrication first took place.
8. **Always tell the truth when discussing your work with your instructor.** Any attempt to deceive may destroy the relation of teacher and student.

Artificial Intelligence (AI):

In this course, the integration of artificial intelligence (AI) tools is used to support your learning before and after class, potentially including recitation sessions, Mastering Chemistry assignments, and practice tests. AI is now included within the Mastering Chemistry homework system and other AI systems can also be used for assignments the instructor designates. **The instructor will model how to effectively integrate AI into your study routine,** including how to ask the right questions, interpret AI responses, and apply the information to solve chemistry problems, ensuring AI is used responsibly to complement your own critical thinking and problem-solving abilities. By leveraging AI appropriately, you can achieve a deeper understanding of general chemistry concepts and develop skills that will benefit you throughout your academic journey. **The instructor will specify which activities AI can be used to support.** You may not use traditional artificial intelligence tools embedded in other tools or generative AI tools to assist or produce work for this class EXCEPT on assignments specified in class or on the syllabus. Use of AI-generated content must be cited using an

[1] From Northwestern University, "Eight Cardinal Rules of Academic Integrity." December 2024.

appropriate style guide. Submission of AI-generated content as your own work is considered a violation of Ohio State's Academic Integrity policy and Code of Student Conduct because the work is not your own. The use of unauthorized AI tools will result in referral to the Committee on Academic Misconduct. Please contact Dr. Chaffin if you have questions regarding this course policy.

If you are unsure about what constitutes academic misconduct in CHEM 1210, PLEASE ASK a member of your instructional team (lecturer, lab supervisor, TA).

Conclusion

We are going to have a great semester learning and experimenting together. We know this syllabus is a lot of information to digest at once but remember that there is a whole instructional team (listed on page 1) to guide you when you have questions. Remember to visit the Contacts page in Carmen to find out more about who we are and to find which one of us has the specific expertise to address your unique needs. We can't wait to meet you!