



Purdue West Lafayette/Indianapolis
Department of Chemistry
General Chemistry
CHM (WL) 11100
WL Fall 2026

Course Information

Lecture: WTHR 200, Tuesday and Thursday

10:30 AM, 2:30 PM, or 3:30 PM (according to your course schedule)

Lab: CHAS (various rooms) Monday or Tuesday

7:30 AM, 11:30 AM, or 3:00 PM (according to your course schedule)

PSO (recitation): BRWN or WTHR (various rooms) Friday or Monday

Throughout the day (according to your course schedule)

Instructor(s) Contact Information

Name: Cindy Harwood

Email: charwood@purdue.edu

Office Phone Number: 494-7012

Student Consultation Hours

Tuesday and Thursday 4:30 - 6:00 PM

Name: Kavita Shah

Email: shah23@purdue.edu

Office Phone Number: 765-496-9470

Student Consultation Hours

Thursday 4:30-5:20 WTHR 172



Name: Leah Everly
Email: leverly@purdue.edu
Office Phone Number: (765)494-5225

Student Consultation Hours

By appointment

Additional Information

Course Coordinator

Course Description

Credit Hours: 3.00. A basic introduction to the principles of chemistry including matter and energy, nomenclature, measurement, atomic structure, nuclear chemistry, chemical bonding, stoichiometry, classification of chemical reactions, kinetics, equilibria, gas laws, liquids, and solids. CTL:IPS 1721 Elementary General Chemistry w/lab

Course Learning Outcomes

By the end of the course, you will be able to:

1. Demonstrate skill in carrying out mathematical (e.g., algebraic, geometric, logical statistical) procedures flexibly, accurately, and efficiently to solve problems.
2. Explain how scientific explanations are formulated, tested and modified or validated.
3. Distinguish between scientific and non-scientific evidence and explanations.
4. Apply foundational knowledge and discipline-specific concepts to address issues or solve problems.
5. Apply basic observational, quantitative, or technological methods to gather data and generate evidence-based conclusions.
6. Use current models and theories to describe, explain, or predict natural phenomena.
7. Locate reliable sources of scientific evidence to construct arguments related to real-world issues.

Detailed learning objectives are provided for each module of the course. Broad course learning objectives are:

1. Explain the behavior of and interactions between atoms, molecules, and ions at the molecular and macroscopic levels.
2. Use standardized names and symbols to represent atoms, molecules, ionic

- compounds, and ions as well as chemical reactions.
3. Predict atomic structure, chemical bonding, and molecular geometry based upon scientific models.
 4. Demonstrate competence in quantitative problem solving, conceptual understanding, and the ability to formulate an argument based upon evidence.
 5. Demonstrate competence in collecting, analyzing, and interpreting laboratory data.
 1. Use computers in data acquisition and processing and available software as a tool in data analysis.

Teaching Philosophy

- **Student-Centered and Foundational Approach:**
 - The course is designed as a foundational chemistry class for diverse majors, emphasizing the importance of relating chemistry concepts to students' future coursework and careers.
 - There is a strong focus on helping students learn fundamental chemistry concepts, calculations, and laboratory skills needed for their major.
- **Emphasis on Problem-Solving and Conceptual Understanding:**
 - The course prioritizes the development of problem-solving skills and conceptual understanding, not just rote memorization.
 - Laboratories and recitations are scheduled weekly to reinforce and extend lecture content, offering hands-on opportunities and encouraging attendance.
- **Inclusive and Supportive Environment:**
 - The syllabus explicitly welcomes diversity, stating that every student has something valuable to contribute and affirming respect for different experiences, beliefs, and values.
 - The course supports Purdue's commitment to diversity and nondiscrimination, aiming to foster tolerance, sensitivity, understanding, and mutual respect.
- **Accessibility and Accommodation:**
 - The course is committed to making learning experiences as accessible as possible, encouraging students to communicate any barriers and to work with the Disability Resource Center for accommodations.
- **Academic Integrity and Honor:**
 - Academic integrity is emphasized as a core value, with clear policies against cheating and plagiarism, and support for the Purdue Honor Pledge.
- **Use of Technology and AI:**
 - The syllabus encourages the use of AI tools for study and learning enhancement, but prohibits their use for graded assignments, emphasizing that technology should supplement—not replace—student creativity and critical thinking.

- **Wellness and Basic Needs:**
 - The course acknowledges student stress and basic needs, providing resources for mental health and wellness, and support for students facing challenges with food or housing.

Example Implementation:

- Students are encouraged to attend lectures, recitations, and labs, and to engage with course materials before class.
- The course provides multiple sources of help, including office hours, supplemental instruction, and peer-led study sessions.
- The instructor and course team are committed to helping students achieve their goals and dreams, recognizing the importance of this course in their academic journey.

Summary: The teaching philosophy for CHM 11100 is holistic, student-focused, and inclusive. It aims to build foundational chemistry knowledge, foster problem-solving and conceptual skills, support diversity and accessibility, uphold academic integrity, and promote student wellness. The course structure and policies are designed to help students succeed both academically and personally.

How to Succeed in this Course

1. Weekly Keys to Success:

- **Attend lecture, recitation, and lab.** Regular attendance is emphasized as critical for understanding material and keeping up with assignments.
- **Check Brightspace often.** Stay updated on announcements, resources, and due dates by visiting the course Brightspace page multiple times each week.
- **Complete reading assignments before lecture.** This prepares you to engage with the material during class and labs.
- **Complete ALEKS Homework and Learning Module assignments.** These are due weekly and are essential for mastering course content.
- **Prepare for lab.** Read the relevant lab manual chapter and complete pre-lab exercises before your lab session.
- **Complete weekly lab reports.** Submit these by the posted deadlines to reinforce your understanding and earn points.

1. Time Management:

- Expect to spend at least 8–12 hours per week on chemistry, including reading, attending lectures, completing assignments, and studying for exams.
- Avoid last-minute submissions. Extensions are not granted for last-minute technical issues.

1. Use Available Resources:

- **Supplemental Instruction (SI):** Attend peer-led group study sessions for additional support.
- **Office Hours:** Utilize professor and TA office hours for help with course material.
- **Chemistry Resource Room:** Access additional help and resources as needed.

1. Stay Organized:

- Keep track of weekly assignments and due dates for pre-labs, lab reports, learning modules, and homework.
- Use a planner or digital calendar to manage your schedule and deadlines.

1. Engage with Course Materials:

- Review lecture PowerPoints, recorded lectures, and posted resources on Brightspace.
- Participate in iClicker Cloud questions during lectures for extra credit and real-time feedback.

1. Academic Integrity:

- Do your own work and avoid using unauthorized resources for graded assignments.
- Use AI tools only as permitted (for study and brainstorming, not for graded work).

1. Wellness and Support:

- Take advantage of mental health and wellness resources if you feel stressed or overwhelmed.
- Seek help early if you face challenges with food, housing, or other basic needs.

Example Implementation:

- A successful student might attend all lectures and labs, check Brightspace daily, complete readings before class, finish ALEKS assignments on time, prepare for labs in advance, and attend SI sessions for challenging topics.

Summary Table: Weekly Success Checklist

Task	Platform/Location	Typical Due Day/Time
Attend lecture	In-person	T/Th 10:30 AM, 2:30 PM, 3:30 PM
Attend recitation (PSO)	In-person	Please check your section schedule

Task	Platform/Location	Typical Due Day/Time
Attend lab	In-person	Please check your section schedule
Check Brightspace	Online	Multiple times/week
Complete reading assignments	Textbook/Brightspace	Before lecture
ALEKS Homework	ALEKS	Due Fridays 11:59 PM
ALEKS Learning Modules	ALEKS	Due Sundays 11:59 PM
Pre-lab assignments	LabFlow	Due 11:59 PM, the night before your lab
Lab reports	LabFlow	Due 11:59 PM the day your lab meets
Other assignments	Brightspace	Generally due 11:59 PM Sundays

By following these strategies and utilizing the resources provided, students can maximize their success in CHM 11100.

Learning Resources, Technology & Texts

Chemistry

Authors: Jason Overby

Publisher: McGraw Hill

Citation

E Textbook included with purchase of ALEKS access

1. Textbook and Online Homework Platform:

- The course uses the **McGraw-Hill ALEKS online homework program**. Purchasing ALEKS access includes an electronic copy of the textbook, *Chemistry* by Overby, 15th edition.
- There is an option to purchase a loose-leaf version of the textbook directly from McGraw-Hill.
- All information about purchasing and accessing ALEKS is posted on Brightspace.

1. Laboratory Manual and Simulation:

- The course uses a **digital laboratory manual (LabFlow)** and the **BeyondLabz online laboratory simulation program**.
- Access to these materials must be purchased through links provided in Brightspace (do not buy directly from publishers).

1. Lab Materials:

- **Indirectly vented chemical splash goggles** (must meet ANSI Z87.1:2020 (+D3) standard) are required for lab sessions.
- Students should bring a notebook for lab note-taking (digital notes are allowed, but students are responsible for their devices).
- iPads are available in each laboratory for student use.

1. Calculator:

- A **simple battery-operated scientific calculator** with exponential, logarithm, and square root functions is required (TI-30 type or similar). Programmable and alpha-numeric calculators are not allowed for exams.

Summary Table: Key Learning Resources & Technology

Resource/Tool	Purpose/Use	Access Location
ALEKS	Homework, textbook	Purchase via Brightspace
LabFlow	Lab manual, pre-labs, reports	Purchase via Brightspace
BeyondLabz	Lab simulations	Purchase via Brightspace
Brightspace	Course management, resources	Online
Scientific Calculator	Exams, calculations	Student-provided
Safety Goggles	Lab safety	Bookstore/online/CHAS
iClicker Cloud	Lecture participation	Online/app

By utilizing these resources and technologies, students can effectively engage with course content, complete assignments, and succeed in CHM 11100.

Brightspace learning management system (LMS)

Access the course via Purdue's Brightspace learning management system. It is strongly suggested that you explore and become familiar not only with the site navigation, but also with the content and resources available for this course. See the Student Services widget in Brightspace for Technology Resources, Academic Resources, Campus Resources, and Health and Well-Being Resources.

Assignments

Types of Assignments & Platforms:

Assignment Type	Platform	Typical Due Day/Time
Pre-Lab Assignments	LabFlow	11:59 PM, the night before your lab meets
Lab Reports	LabFlow	11:59 PM, the day your lab meets
Learning Modules	ALEKS	Sundays, 11:59 PM
Homework	ALEKS	Fridays, 11:59 PM
Other Assignments	Brightspace	Sundays, 11:59 PM

Assignment Details:

- **ALEKS Homework:**
 - 13 assignments (lowest score dropped), each worth 10 points, for a total of 120 points.
 - Due Fridays at 11:59 PM.
 - Up to 3 attempts per question and per assignment.
- **ALEKS Learning Modules:**
 - 6 modules, due Sundays at 11:59 PM, totaling 120 points.
 - Focus on mastery of key concepts.
- **Lab Assignments:**
 - Pre-lab assignments (LabFlow) due Mondays at 11:59 PM.
 - Lab reports (LabFlow) due Tuesdays at 11:59 PM.
 - 12 labs (Labs 2–12), best 10 scores count (excluding Excel Lab 1), each worth 25 points, plus Excel Lab (20 points), for a total of 270 points.
 - Must complete at least 9 of 11 scheduled labs to avoid grade penalties.

- **Lecture Worksheets & Syllabus Quiz:**
 - 80 points for worksheets and surveys, plus a 10-point syllabus quiz.
- **Exams:**
 - 3 midterm exams (100 points each) and a final exam (200 points).
 - Lowest exam score or half of the final exam score is dropped.
- **Extra Credit:**
 - Up to 10 extra credit points for participation in iClicker Cloud questions during lectures.

Assignment Policies:

- All assignments must be submitted by the posted deadlines; late submissions are generally not accepted except for documented university-approved absences.
- Extensions are not granted for last-minute technical issues.
- The lowest score in each major category (homework, lab, exam, worksheet) is dropped at the end of the semester.
- Academic integrity is strictly enforced; unauthorized use of AI or online resources for graded assignments is prohibited.

Summary Table: Assignment Points Distribution

Assignment Category	Points
ALEKS Homework (best 12 of 13)	120
ALEKS Learning Modules	120
Labs (Excel + best 10 of 11)	270
Exams (3 x 100)	300
Final Exam	200
Lecture Worksheets & Syllabus Quiz	90
Total	1,100
-100 (drop lowest exam/half final)	
Final Course Total	1,000

By following the assignment schedule, using the correct platforms, and adhering to course policies, students can maximize their performance and success in CHM 11100.

Grading Scale

Per the Purdue University Academic Regulations, the following grades shall be available to be assigned by the instructors and reported when they are called for by the registrar:

A+

A: Highest passing grade.

A-

B+

B

B-

C+

C

C-

D+

D

D-: Lowest passing grade; marginally passing minimal objectives of the course.

E: Conditional failure; failure to achieve minimum objectives, but only to such limited extent that credit can be obtained by examination or otherwise without repeating the entire course. This grade represents failure in the course unless and until the record is duly changed within one semester. It cannot be improved to a grade higher than D. (See section E.) When an instructor reports a grade of E, they shall file in the departmental office a statement of what is required of the student to receive the passing grade.

F: Failure; failure to achieve minimal objectives of the course.

The student must repeat the course satisfactorily in order to establish credit in it.

Grades and Grade Reports

Grades and Grade Reports in CHM 11100:

1. Grade Determination:

- Your final grade is based on total points earned out of 1,000, after dropping the lowest scores in each major category (homework, lab, exam, worksheet).
- The grading scale is:
 - A: 900 and above
 - B: 800–899
 - C: 700–799
 - D: 600–699
 - F: 0–599
- The lowest score in each major category (ALEKS homework, in-class worksheet, lab, exam) is dropped at the end of the semester.
- If you fail to complete more than 2 lab projects (not including the Excel Lab), your final grade will be dropped by one letter grade for each subsequent missed lab after 2.
- Extra credit (up to 10 points) can be earned through participation in iClicker Cloud questions during lectures.

1. Grade Reports and Access:

- Grades for assignments, labs, and exams are posted on **Brightspace**, the course learning management system. Students should check Brightspace regularly for updates and grade reports.
- Lab reports are graded online and can be reviewed within about one week after the due date. If you have questions about your lab grade, speak first with your TA, then with a supervising TA if needed.
- Exam grades are posted on Brightspace and may be processed through Gradescope, a university-approved grading tool. All free-response questions are hand-graded by the course team.

1. Resolving Grade Discrepancies:

- If you notice a discrepancy in your grades, assignments will need to be reviewed. Contact your TA or supervising TA for lab grades, and the course coordinator for other grade concerns.

1. Grade Policies:

- Extensions are not granted for last-minute technical issues; plan ahead and submit assignments before deadlines.

- Academic integrity is strictly enforced; unauthorized use of AI or online resources for graded assignments is prohibited.

Example Implementation:

- Students can monitor their progress by checking Brightspace for assignment scores, lab grades, and exam results throughout the semester.
- At the end of the semester, the lowest scores in each category are dropped, and the final grade is calculated based on the remaining points.

By regularly checking Brightspace for grade reports, understanding the grading scale, and following course policies, students can stay informed about their academic standing and address any grade concerns promptly

Attendance Policy

CHM 111 Absence Policies

Attendance in lecture, lab, and recitation/PSO is key for success in the course.

CHM 111 absence policies, along with the procedures for requesting makeup work and deadline extensions, are explained in the Brightspace Absence Module. Please read the information in the module and contact Leah Everly (leverly@purdue.edu) with any questions or concerns. Please note that it is your responsibility to be familiar with the information in this module so you understand the steps to take should you need to miss class.

Grief Absence Policy for Students (GAPS)

If you experience the death of a family member or close friend, notify the Office of the Dean of Students at 765-494-1747 (odos@purdue.edu). See the Brightspace Absence Module for more information and links to request makeup work.

MAPS Absence Policy for Students (MAPS)

If you are required to perform mandatory military training, notify the Office of the Dean of Students at 765-494-1747 (odos@purdue.edu). See the Brightspace Absence Module for more information and links to request makeup work.

Medically Excused Absence Policy for Students (MEAPS)

Students experiencing an absence due to hospitalization or emergency department visits should notify the Office of the Dean of Students at 765-494-1747 (odos@purdue.edu). This policy is intended for **emergent care only (note that urgent care visits are no longer included in this policy)**. **Emergent medical issues are those that pose a threat to loss of life or limb.** The Office of the Dean of Students will not provide documentation for primary care medical appointments or routine care (e.g., overall wellness, dental care, general behavioral health care) nor occasional symptoms (e.g., pink eye, colds, flu). If your illness is not a medical emergency, then your missed work will be handled either by the One Free Lab Makeup policy or the dropped score policy. For special consideration, contact Leah Everly (leverly@purdue.edu). Please note that for privacy reasons we are prohibited from accepting medical documentation, so do not include it. See the Brightspace Absence Module for more information and links to request makeup work.

Absences Due to University Sponsored Activities

If you are an NCAA athlete, have a professional development opportunity, or a required university sponsored activity related to your course of study, you should provide your documentation to Leah Everly (leverly@purdue.edu) as far in advance as possible to request approval and the opportunity to make up in-person work such as a lab report or exam. See the Brightspace Absence Module for more information and links to request makeup work.

Other Absences

While absences other than those described above are considered unexcused, we understand that illnesses and other life situations might occasionally prevent you from attending a class session or submitting an assignment. Our primary method of addressing missed work due to unexcused absences is our dropped lowest score policy. At the end of the semester, the lowest score in each grade category (lab, homework, and exams) is dropped. This allows all students to miss one lab, exam, etc. without jeopardizing their final grade in the course. Additionally, all students are given the opportunity to request one free lab report makeup to account for an unexcused lab absence. This request must be submitted through the Brightspace Absence Module before the time your lab begins.

Course Schedule

Week	Dates	Topic	Reading	Extras	Labs	Exams and Other
Week	Date	Lecture Topic	Reading (textbook)	Video Lectures (required + example)	Laboratory (LabFlow)	Other
1	25-Aug 27-Aug	Course overview Dimensional Analysis/ Sig Fig; Atomic Number/ Mass/ Isotopes <i>(You are responsible for content in sections 1.1-1.9; 2.2)</i>	1.1-1.9, 2.1-2.3	Required Vids: - Scientific Notation, Significant Figures and Unit Conversions Example Vids: - Significant Figures 1-3 - Unit Conversions w/ Complex Units	NO LABS WEEK 1 Compensation for Evening Exams	

Week	Dates	Topic	Reading	Extras	Labs	Exams and Other
2	01-Sep 03-Sep	Periodic Table; Ions; Atomic Spectra; Orbitals Electron Configurati ons	2.4-2.5; 7.3 7.8-7.9	Required: • Electrom agnetic Radiation Example: • Electron Configur ations	Check-Into Lab / Safety Certificatio n <i>(Safety goggles & proper lab attire required)</i> Lab 1: Introductio n to Excel	
3	08-Sep 10-Sep	Periodicity ; Abbreviate d Configs; Valence & Core Electrons; Ions Isoelectron ic; Atomic & Ionic Size; Ionic Bonding	8.2 8.3		NO LABS WEEK 3 <i>US Labor Day Holiday</i>	

Week	Dates	Topic	Reading	Extras	Labs	Exams and Other
4	15-Sep 17-Sep	Covalent Bonding; Electronegativity <i>Naming Molecular & Ionic Compounds & Acids Practice</i>	2.5-2.7	Required: (Naming Compounds) • Naming Molecular Covalent Compounds • Naming Ionic Compounds (3 vids)	Lab 2: Intro to Lab Techniques, Part I	
5	22-Sep 24-Sep	Lewis Structures; Resonance <i>Lewis Structure Practice</i>	9.1-9.2 9.4-9.6; 9.8		Lab 3: Measuring Density	Exam 1 8:00 PM 22-Sep

Course Logistics

1. Course Structure & Schedule:

- **Lecture:** Tuesdays and Thursdays at 10:30 AM.
- **Lab and Recitation (PSO):** Scheduled weekly; check your individual schedule.
- **Credit Hours:** 3
- **Course Platform:** Brightspace (<https://purdue.brightspace.com/d2l/home/1093277>) is used for all course resources, announcements, assignments, and grades. Students should check Brightspace multiple times each week.

1. Instructor & Support Team:

- **Instructor:** Dr. Cindy Harwood and Dr. Kavita Shah
- **Course Coordinator:** Mrs. Leah Everly (leverly@purdue.edu, Brown 1144)
- **Supervising TAs:**
 - Osama Abuhammad (eoabuhamm @purdue.edu)
 - Arnab Ghosh (ghosh162@purdue.edu)
 - Vishali Krishnan (krish319@purdue.edu)
 - Eugene Leung (leung101@purdue.edu)
- **Teaching Assistants:** ~8 TAs for recitation and lab
- **General Chemistry Office:** BRWN 1144, genchem@purdue.edu, 765-494-5250

Communication

- Use your @purdue.edu email for all course communication.
- Include "CHM 11100" in the subject line.
- Expect responses within 24 hours during business hours, but allow up to two business days.

Required Materials:

- **Textbook:** McGraw-Hill ALEKS (includes Chemistry by Overby, 15th edition)
- **Lab Manual:** LabFlow (digital), BeyondLabz (simulation)
- **Lab Materials:** Indirectly vented chemical splash goggles (ANSI Z87.1:2020 (+D3)), notebook, iPads available in lab
- **Calculator:** Simple battery-operated scientific calculator (TI-30 type or similar)

1.

1. Policies & Procedures:

- Attendance in lecture, lab, and recitation is strongly encouraged.
- Absence and makeup policies are detailed in the Brightspace Absence Module.
- Academic integrity is strictly enforced; unauthorized use of AI or online resources for graded assignments is prohibited.
- Accessibility and accommodations are managed through the Disability Resource Center.
- Mental health and basic needs support are available through Purdue resources.

1. Course Learning Objectives:

- Explain atomic and molecular behavior.
- Use standardized chemical nomenclature and symbols.
- Predict atomic structure, bonding, and geometry.
- Demonstrate quantitative problem-solving and conceptual understanding.
- Collect, analyze, and interpret laboratory data.
- Use computers and software for data analysis.

1. Course Evaluation:

- Students will have the opportunity to provide feedback via an online course evaluation system at the end of the semester.

Example Implementation:

- Students should attend all scheduled lectures, labs, and recitations, check Brightspace regularly, use the required materials, and follow all course policies for assignments, attendance, and academic integrity.

This summary provides a clear overview of the logistics for CHM 11100, helping students understand how the course is organized and what is expected for successful participation.

Academic Integrity

1. Core Values and Expectations:

- Academic integrity is a core value at Purdue University and in CHM 11100. Students are expected to do their own work at all times.
- Discussion of chemical concepts and problem-solving methods is encouraged, but sharing answers or work for the purpose of letting others copy is not allowed.
- Posting course materials to websites or using online resources (such as Chegg) to obtain answers for graded assignments is strictly prohibited.

1. Prohibited Behaviors:

- Using AI tools or online resources to obtain answers for graded assignments (including homework, labs, quizzes, and activities) is considered cheating and plagiarism.
- Submitting AI-generated content as your own work is not allowed.
- Sharing answers or posting course materials online is a violation of copyright and academic integrity policies.

1. Permitted Use of AI Tools:

- Students are encouraged to use AI for generating study questions, creating quizlets, editing and proofreading, and exploring examples to enhance learning.
- If AI is used in any submitted work, students must explicitly describe how it was used and provide a link to the chat history.
- The use of AI for graded assignments is strictly forbidden.

1. Consequences of Academic Dishonesty:

- Penalties for academic dishonesty include receiving a lower or failing grade for an assignment, being required to repeat the assignment, receiving a lower or failing grade for the course, and/or dismissal from the University.

- Incidents are referred to the Office of the Dean of Students, and students are afforded due process as defined by Purdue procedures.
1. Reporting Academic Integrity Concerns:
 - Concerns can be reported to integrity@purdue.edu or by calling 765-494-8778. Anonymous reports are accepted, but more information helps investigations.
 1. Purdue Honor Pledge:
 - The course affirms the Purdue Honor Pledge: "As a Boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together – we are Purdue."

Example Implementation:

- A student may use ChatGPT to generate practice questions for studying, but may not use it to answer or complete graded homework or lab reports.
- If a student edits a written assignment with AI, they must note this and provide a link to the AI chat history.

By following these academic integrity guidelines, students help maintain a fair and honest learning environment in CHM 11100.

AI Policy

Artificial Intelligence (AI) Usage Policy in CHM 11100

Artificial intelligence (AI) and large language models (LLMs) such as ChatGPT, Bard, Claude, etc., can assist with explanations, suggestions, and brainstorming ideas. While these tools can be highly useful when employed correctly, they should be viewed as supplements to your learning rather than replacements for your creativity, critical thinking, or judgment. Remember that AI does not differentiate between fact and fiction, and the information it provides can be inaccurate or incomplete.

Authorized AI Usage by Students in CHM 11100:

In CHM 11100, you are encouraged to use AI for:

- Generating additional study questions and problems,
- Creating “quizlets,”
- Assisting with editing and proofreading your written work,
- Generating and exploring examples of specific chemistry concepts to enhance your learning.

If you use AI as part of any submitted work in this course, you must explicitly describe how you used it and provide a link to your chat history.

Prohibited AI Usage by Students in CHM 11100:

The use of AI tools to obtain answers for graded assignments (including activities, labs, and ALEKS homework) **or to cut, paste, and submit AI-generated content as your own work is strictly forbidden.** Such actions are considered cheating and plagiarism. If your use of AI is suspected of plagiarism, I will contact you to discuss acceptable use and potential penalties. If you are unsure whether a specific use of AI is acceptable, please ask for clarification.

AI Usage by Your Instructor:

Throughout the semester, we will use AI tools to sort and categorize some of your coursework, including graded discussion posts and exams. Your exams will be entered into Gradescope, a university-approved online grading tool. We do not use Gradescope as a “black box” tool; your instructor, course supervisor, or TA supervisor will oversee and ensure the quality of the grading process. Please note that all free-response questions are hand-graded by our team. You will access Gradescope via an instructor-provided link within Brightspace, which ensures that all your personal data (such as name and PUID) remains within Purdue’s systems. Any course work entered into third-party AI tools (such as ChatGPT) will not include personally identifiable student information.

If we need to share data regarding your interactions with AI in the course (e.g., for a research study on student use of AI tools), we will obtain your individual consent and the University will oversee our activities.

Nondiscrimination Statement

Purdue University is committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity,

understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her potential. A hyperlink to Purdue's full Nondiscrimination Policy Statement is included in the Academic Resources table on your Brightspace homepage.

Accessibility

Every member of our course should be able to access, use, and learn from the materials we share. This includes all course related digital content that you and I share in the course. This approach helps promote equal access for everyone at Purdue and is mandated federally by [Title II of the Americans with Disabilities Act \(ADA\)](#). We will work together to provide this access within our Brightspace course.

- My part, as the instructor, is to make sure all course materials shared to Brightspace, such as documents, slides, videos and audio, and images, meet accessibility guidelines and to assist you in making sure anything you share is accessible. If we can do anything further to support your access to and engagement with course materials, please notify me.
- Your role, as a student, is to make sure anything you post for other students to engage with is also accessible, such as peer grading, peer feedback, and discussion board posts. This expectation is built into all course assignments that require you to post to Brightspace.
- A good starting place for students and instructors is to bookmark and review the [Innovative Learning Accessibility Checklist](#) for guidance on creating accessible materials. We need to work together to make sure all materials on our course Brightspace are accessible.
- If you select materials to share on our Brightspace from Purdue Libraries catalog or databases, best practices include choosing items that:
 - Can be downloaded in full
 - Are available in EPUB or HTML formats
 - Include alternative text for written materials or captions for audio/visual content

Accommodations

Disability Accommodations

Purdue University strives to make learning experiences accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, you are encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247, as soon as possible.

If the Disability Resource Center (DRC) has determined reasonable accommodations that you would like to utilize in this class, you must send your Course Accommodation Letter. Instructions on sharing your Course Accommodation Letter can be found by visiting: <https://www.purdue.edu/drc/students/course-accommodation-letter.php>. Additionally, you are strongly encouraged to contact course instructors as soon as possible to discuss implementation of your accommodations.

Students are responsible for releasing their Course Accommodation Letter (CAL) to their course instructors as early as possible. Accommodations are not retroactive and generally cannot be applied to coursework, exams, or other academic requirements that occurred before the CAL was released. Sufficient advance notice may be necessary to arrange and implement certain accommodations.

Testing Accommodations

Students who have approved testing accommodations and intend to use them in this course will complete accommodated exams through Purdue Testing Services (PTS). Students are responsible for following PTS procedures and submitting exam requests by the published scheduling deadlines, including for final exams when applicable. Additional information regarding PTS timelines and procedures can be found on their website: <https://www.purdue.edu/studentsuccess/testing-services/accommodated-testing/student.php>

Students should monitor their Purdue email and respond promptly to communications related to accommodated exam scheduling. Requests submitted after the published deadline are considered late, and implementation of testing accommodations for that assessment cannot be guaranteed. Late requests will be reviewed individually, but students should be prepared to complete the assessment without their approved testing accommodations if there is insufficient time or capacity to implement them. Approved accommodations remain in place for future assessments when scheduling requirements are met.

For CHM 111, communications regarding accommodated exam scheduling will come from Melissa Roadruck at melissa@purdue.edu. Students should follow the instructions provided in those communications regarding scheduling through PTS.

Mental Health/Wellness Statement

If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try [Therapy Assistance Online \(TAO\)](#), a web and app-based mental health resource available courtesy of Purdue Counseling and Psychological Services (CAPS). TAO is available to all students at any time by creating an account on the [TAO Connect](#) website, or downloading the app from the App Store or Google Play. It offers free, confidential well-being resources through a self-guided program informed by psychotherapy research and strategies that may aid in overcoming anxiety, depression and other concerns. It provides accessible and effective resources including short videos, brief exercises, and self-reflection tools.

If you need support and information about options and resources, please contact or see the [Office of the Dean of Students](#). Call 765-494-1747. Hours of operation are M-F, 8 a.m.-5 p.m.

If you find yourself struggling to find a healthy balance between academics, social life, stress, etc., sign up for free one-on-one virtual or in-person sessions in West Lafayette with a [Purdue Wellness Coach at RecWell](#). Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is free and can be done on BoilerConnect. Students in Indianapolis will find support services curated on the [Vice Provost for Student Life](#) website.

If you're struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact [Counseling and Psychological Services \(CAPS\)](#) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS offices in [West Lafayette](#) or [Indianapolis](#).

Emergency Preparedness

In the event of a major campus emergency, course requirements, deadlines and grading

percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email or phone. You are expected to read your @purdue.edu email on a frequent basis.

See [Purdue's Information on Emergency Preparation and Planning](#). This website covers topics such as Severe Weather Guidance, Emergency Plans, and a place to sign up for the Emergency Warning Notification System. I encourage you to download and review the [Emergency Procedures Guide](#).

The first day of class, I will review the **Emergency Preparedness plan for our specific classroom**. Please make note of items like:

- The location to where we will proceed after evacuating the building if we hear a fire alarm.
- The location of our Shelter in Place in the event of a tornado warning.
- The location of our Shelter in Place in the event of an active threat such as a shooting.

Student-Related Policies

The Vice President for Ethics & Compliance website includes a list of [Student Policies](#). Among those is the [Violent Behavior](#) policy, which explains that Purdue is committed to providing a safe and secure campus environment for members of the university community. Purdue strives to create an educational environment for students and a work environment for employees that promote educational and career goals. Violent behavior impedes such goals. Therefore, violent behavior is prohibited in or on any University facility or while participating in any university activity.

Grade Appeals Process

At the end of the course, after final course grades have been assigned, students who believe their grade was assigned contrary to what is outlined in the course syllabus, has been assigned arbitrarily, or has been reduced too severely due to a violation of course academic integrity policies, may submit an appeal request to have this final course grade reviewed. The University's Grade Appeal Process is outlined in the University Catalog and is also referenced on the website for the [Office of Student Rights and Responsibilities \(OSRR\)](#).

Staff in the OSRR office are able to assist in determining if a Grade Appeal is appropriate. Generally, students should not expect a grade appeal to be successful if there is a lack of information to support the appeal or if the student merely thinks that the assigned grade is "unfair". Students must also attempt to resolve the matter informally with the course instructor prior to beginning the appeal process.

Basic Needs Program

If you are facing challenges securing basic needs such as food, housing, transportation, health services, or access to technology or childcare resources and believe this may affect your performance in the course, please contact the Office of the Dean of Students (ODOS) to help coordinate with community resources. These services vary by location. In West Lafayette, see the [Basic Needs Program](#) website, or email basicneeds@purdue.edu. To connect with a Student Support Generalist on the Indianapolis campus, contact them by phone at 765-495-7797 or email studentlifeindy@purdue.edu.

Course Evaluation

Toward the end of this semester, you will be provided with an opportunity to give feedback on this course and your instructor. Purdue uses an online course evaluation system, and I will not have access to this anonymous feedback until after final grades are submitted. You will receive an official email from evaluation administrators with a link to the online evaluation site and will receive a prompt to complete the survey when you login to Brightspace. The subject line will be: Please take 2-5 minutes to complete the survey. Check your "Junk E-mail" folder occasionally to be sure the evaluation emails were not accidentally routed there. Your participation is an integral part of this course, and your feedback is vital to improving education at Purdue University. I strongly urge you to participate in the evaluation system.

This syllabus is subject to change. You will be notified of any changes as far in advance as possible via an announcement on Brightspace. Monitor your Purdue email daily for updates.