

CHM 1315G General Chemistry Laboratory I – Section 002

Syllabus for Fall 2026

Instructor: Dr. Steven Pellizzeri
Office: PSB 3420
e-mail: spellizzeri@eiu.edu

Office Hours:
Monday 9:00 am – 10:00 am.
Wednesday 10:00 am – 11:00 am.
Thursday 11:00 am – 12:00 pm.
Friday 9:00 am – 10:00 am.
and by appointment at [Book time with Steven Pellizzeri](#)

Meeting Days, Time, and Location: Prelab - Thursday, 8:00 am - ~8:30 am, PSB 4157
Lab - Thursday, ~8:30 am - 10:50 am, PSB 4120 & 4121

Course Description: Experimental work illustrating chemical principles and concepts described in the companion lecture course. Credits: 1.

General Information: This laboratory course is designed to complement and enhance the concepts introduced in the General Chemistry I lecture. Through hands-on experimentation, students will develop essential laboratory skills and gain a deeper understanding of chemical principles. While efforts are made to align lab activities with lecture topics, there may be occasions when the lab schedule progresses ahead of the lecture. Students are encouraged to approach these instances as opportunities to preview and reinforce upcoming material.

Office Hours: Although these times noted above are limited, I am available most days until 4:00 pm or later or you can set up an appointment using my schedule at [Book time with Steven Pellizzeri](#). I typically have an open-door policy, i.e., if my door is open, and I am not with other students or faculty/staff members, you are welcome to drop by with questions. If I will be away during my regular office hours, I will let you know ASAP and reschedule an alternative time for that week. Office hours will be conducted in-person, however if you would prefer to meet virtually, please schedule an appointment.

Communication: Relevant class information may be distributed electronically to your EIU e-mail address or through D2L.

Email Policy: The best way to contact me in addition to office hours is via email, I routinely check the course for postings or emails, Monday (8am) – Friday (5pm), and sometimes on the weekend. You can expect a 24-to-48-hour response from me, Monday-Thursday. I will try and respond to all weekend (Friday afternoon to Sunday) emails and postings by noon on Monday or earlier. I will try to answer your email as fast as humanly possible, but don't panic if I don't get back to you right away. I ask that emails follow a set protocol, so I do not miss them.

- 1) your email should be from your eiu.edu account
- 2) a proper subject line that includes "CHM1315G"
- 3) a concise and coherent message
- 4) sign off with your full name

Pre-requisites and Co-requisites: One year of high school chemistry or credit in CHM 1040G with a grade of C or better. Not recommended for those whose ACT mathematics score is less than 21 without prior completion of or concurrent enrollment in MAT 1271. Must be taken concurrently with CHM 1315G. You must be enrolled in both CHM 1310 and CHM 1315G. If you drop, you must drop both courses. You cannot remain in lab if you drop lecture or vice versa. **You will receive a separate course grade for CHM1310 and CHM1315G – these grades are independent of one another.**

Course Goals/Learning Objectives: Students enrolled in CHM1315G will develop and demonstrate knowledge and competencies in the following areas:

- Apply the concepts learned in the companion lecture course to actual chemical systems.
- Demonstrate proficiency in a variety of laboratory techniques and operations including making measurements using common laboratory equipment.
- Be able to accurately collect and record data.
- Use introductory statistical methods for dealing with repetitive measurements.
- Be able to effectively utilize and interpret collected data including the ability to formulate conclusions based on that data.

Course Materials and Resources – Course Fee: \$45

- **Lab Manual:** Chemistry 1040: World of Chemistry Lab Manual. Obtained from **PantherCopy**. **PantherCopy** is located on the 2nd floor of the MLK Union. The cost of the lab manual is part of the course fee.
- **General Chemistry Web Page (contains tutorials):** http://www.eiu.edu/eiuchem/general_chemistry.php
- **D2L:** course information, syllabus, experiment schedule, announcements, etc. Check D2L regularly for updates.

Class Equipment:

- Splash proof goggles
- Scientific calculator
- Closed toed shoes (sandals, flip-flops, ballet flats, and other open-toed footwear are prohibited), long pants, etc (must follow laboratory dress code (see below)).

Cell phone and Computer Policy: During the laboratory period, your cellular phone and laptop must be put away and silenced (if you have special accommodations involving either of these devices, please e-mail me).

General Information: Read very carefully the sections in the lab manual on **General Laboratory Information** (page i), **Laboratory Safety** (pages ii–vi) and **Laboratory Etiquette** (page vii). The Code of Conduct pledge will need to be signed by you and uploaded to the corresponding D2L dropbox before or during the first laboratory meeting. Each lab will have a pre-lab quiz. Safety is a primary concern so expect questions on safety in the first few quizzes; failure to follow safety rules (including repeated reminders from me to put on your goggles) will result in expulsion from lab. **Safety rules are not negotiable.** Review the equipment guide (page A1) for additional information on the various experiments. **Thoroughly read through each experiment and complete any pre-lab assignment before coming to lab.** Please seek help if there is anything that you don't understand, I'm always willing to help.

Grading Scale:

There are four components to the course grade:

- **65%:** Lab reports/data sheets, lowest lab report grade dropped
- **15%:** Weekly pre-lab assignments (Except Experiment 1), lowest pre-lab score dropped
- **15%:** Weekly pre-lab quizzes, two lowest pre-lab quizzes dropped
- **5%:** Comprehensive lab final

Grading Scale: Final grades will tentatively be assigned on the following score ranges:

87% through 100%	A
75% through 86%	B
63% through 74%	C
50% through 62%	D
below 50%	F

Course fee: The lab fee will be billed to your university account. This fee covers the cost of consumables (e.g. chemicals, glass and rubber tubing, filter paper, etc.). It also covers the cost of items accidentally broken while performing scheduled experiments. This fee does not include the lab manual and goggles.

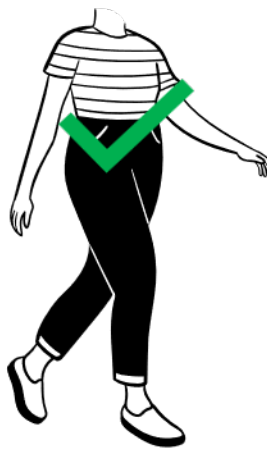
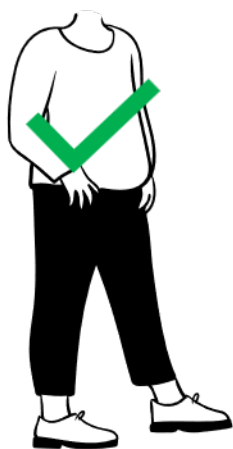
Fall 2026 CHM1315G - Laboratory Schedule

Date	CHM 1315G (lab)
8/27	No in-person lab, see D2L for items to complete
9/3	Check-in Exp 1: Lab Tools: Balance
9/10	Exp 2: Measurement: Physical Properties
9/17	Exp 3: Spectroscope and Line Spectra
9/24	Exp 4: Preparation of Copper Carbonate and a double salt
10/1	Exp 5: Composition of a Copper Carbonate
10/8	Exp 6: Analysis of a Double Salt Part I
10/15	Exp 6: Analysis of a Double Salt Part II
10/22	Exp 7: Shapes and Properties of Molecules
10/29	Exp 8: Protein Extraction and Folding
11/5	Exp 9: Chemical Equations: Mass Relationships
11/12	Exp 10: Solubility and Precipitation
11/19	Exp 11: Solution Stoichiometry: Acid-Base Titration
11/26	<i>No Lab – Thanksgiving Break</i>
12/3	Exp 12: Chemical Equations: Energy...
12/10	Check-out and Lab Final

LABORATORY DRESS CODE

The lab safety dress code is lined out below. This dress code is put in place to keep you and your fellow lab mates safe during lab. **If you are not dressed according to the dress code, you will not be allowed to complete the experiment for the day.**

- Clothing must cover the body from the shoulders to below the knees (no bare midriffs, no shorts).
- The flammability of the fabric should be considered.
- Hanging items (jewelry, hoodie strings, scarves, etc.) and loose or baggy clothing must be secured or removed.
- Earbuds or earphones are not allowed in laboratories or stockrooms.
- Close-toed shoes must be worn (no crocs that contain holes, no sandals, no ballet flats, etc)



Attendance: Attendance is required in all labs on time. Lab starts **promptly at 8:00 am**. When you arrive, go to the pre-lab room, PHYS 4157. In the pre-lab room, you will hand in your pre-lab assignment (due at 8:00am), take the pre-lab quiz (5 minutes), and then I will go over a brief pre-lab lecture. After we are done in 4157, you will go directly to your assigned lab bench (in room 4120 or 4121). If you know you will miss a lab period for a legitimate reason (ill health, family emergency, University event), be sure to contact me **before** the missed period, or as soon as possible after the lab (in emergencies). Leaving early or returning late from a University holiday is **not** considered a legitimate reason for absence and work missed under these circumstances **cannot** be made up. **There is no make-up experiment**. A make-up lab is only possible for an **excused absence** and the student must contact the instructor to set up the make-up, **which must be made up within one week of the originally scheduled lab**.

The pre-lab lecture is intended to further familiarize you with the basics of each experiment, give you helpful tips, and to highlight any additional safety issues or changes to the published procedure and are an important part of lab preparation. For this reason, **anyone who has not attended the pre-lab lecture, cannot perform the laboratory experiment**.

Preparation: Prepare for each lab in advance by reading the scheduled lab and the indicated references. In addition, work through the accompanying pre-lab assignment (topic experiments). If you are uncertain of any aspect of an experiment or material related to an experiment, please ask me about it before class or in lab by attending office hours or sending me an email. Your pre-lab assignments will be handed into me at the **beginning of the laboratory period**.

Data/report sheets: These are located in the lab manual and must be **completed and handed in by the end of the lab period (10:50 am)**. Answer any questions that are part of this sheet since these questions count towards the grade for that lab. The following items are considered in grading so be sure to address these points: (1) proper labeling of collected data and the clarity of presentation; (2) correct use of significant figures (important); (3) consistency of your results (do they match your conclusions?); (4) correctness of the results. In some experiments the key experimental results are numerical in nature so the closeness with which your results match the expected value (i.e. your accuracy) will also be considered during the grading.

Quizzes: Pre-lab quizzes will be taken **in class during the first 5 minutes of the pre-lab session**. If you **miss the pre-lab quiz due to being late to lab, you cannot make it up**. Each of these quizzes is worth 10 points and will typically consist of (i) three or four questions on the basic theory and calculations of the experiment you are about to do and (ii) a question or two based on the previous week's experiment. Reading through the experiment (and any relevant material in the textbook) and completing the pre-lab assignment should fully prepare you for these quizzes. A final, comprehensive quiz worth 4% of your final grade (covering any of the fundamental concepts and material encountered in the lab this semester) will be given in the final lab session. Remember that quiz grades make up 15% of your final grade so poor performance on quizzes will affect your final grade (and indicate that you are not preparing for lab properly; feel free to e-mail me if you want additional tips on properly preparing for labs).

Pre-lab assignments: Pre-lab assignments constitute 15% of your grade. It is essential that you do these assignments since they **prepare you for the experiments and contain exactly the types of calculations you will encounter in the upcoming lab** (and quizzes). Completing pre-lab assignments allows much more efficient utilization of your time in lab and leads to a much less frustrating analysis of your lab data. Failure to do the pre-lab assignments usually leads to poor grades in lab and makes the lab take longer to complete (so a little time spent before coming to lab will pay off with a much more pleasant in-lab experience, better grades, and shorter labs). **Pre-lab assignments are to be handed in at the beginning of the lab period (8:00 am) in room 4157**. Each experiment (except Expt. 1) contains a pre-lab assignment. **No credit will be given for pre-lab assignments turned in late**.

Course fee: The lab fee will be billed to your university account. This fee covers the cost of consumables (e.g. chemicals, glass and rubber tubing, filter paper, etc.). It also covers the cost of items accidentally broken while performing scheduled experiments. This fee does include the lab manual.

Checking in and checking out: You will check-in the laboratory during the first scheduled meeting and be assigned to a locker and a workstation. You will check-out of the laboratory during the last scheduled meeting. If you drop the course during the semester, the lab check-out must be done within 10 working days. If you fail to check out, you will be given a \$10 fine.

Help: You may obtain extra help from the following sources:

- Your Instructor: See 1st page of syllabus for office hours.
- The chemistry department sponsors a peer tutoring service staffed by chemistry majors; this service is normally in place by the third week of the semester. A tutoring schedule will be announced, distributed, and posted then. Tutoring is free and tutors are available on a first-come first-served basis. (contingent upon the availability of qualified tutors.)
- In addition, the department also maintains a list of private tutors who provide individual or small group tutoring for a fee. Please stop by the chemistry office, PSB 3150, or call the office, 581-3322 for more information.

How to Succeed in General Chemistry Lab:

1) Come Prepared: Before each lab session, carefully read through the lab manual and complete the prelab assignment well in advance. Preparation is key to a smooth lab experience. If you have questions or feel unsure about any part of the assignment, don't hesitate to reach out—I'm here to help!

2) Attend Office Hours: Office hours are designed to be interactive and collaborative, like a mini-recitation. We can discuss any questions you have. Regular attendance can make a big difference in your understanding and confidence.

3) Manage Your Time Wisely: Avoid waiting until the night before starting your prelab. The more prepared you are, the more efficiently you'll work during lab and depending on the experiment, you might even finish a bit early!

Pregnancy:

Eastern Illinois University does not discriminate against any student on the basis of pregnancy or pregnancy-related conditions. Absences due to medical conditions relating to pregnancy will be excused for as long as deemed medically necessary by a student's doctor and students will be given the opportunity to make up missed work or complete alternate assignments. Students needing accommodations can seek assistance from the Student Disability Services at studentdisability@eiu.edu or (217) 581-6583 or from the Title IX Office (the Office of Civil Rights and Diversity) at civil@eiu.edu or (217) 581-3599.

However, if you are pregnant or become pregnant during the semester, there may be additional risks to consider and so we strongly encourage you to consult with your instructor, physician, and the Student Disability Services at studentdisability@eiu.edu or (217) 581-6583 before undertaking work in the laboratory.

Academic Support Center:

Students who could use additional help achieving their academic goals are encouraged to contact the Academic Support Center (<https://www.eiu.edu/academicsupportcenter/>). The Academic Support Center provides individual consultations, as well as assistance with time management, test taking, note taking, avoiding procrastination, setting goals, and other skills to support academic achievement. In addition, Academic Alerts may be utilized by faculty to help students who are not making academic progress or are not attending classes regularly get connected with the Academic Support Center and other important resources. To make an appointment, call 217-581-6696, or go to McAfee Gym, Room 2230.

Academic integrity:

Students are expected to maintain principles of academic integrity and conduct as defined in EIU's Code of Conduct (<https://www.eiu.edu/deanofstudents/conductcode.php>). Violations will be reported to the Dean of Students (<https://www.eiu.edu/deanofstudents>).

Falsifying/fabricating data or plagiarizing data or answers from your classmates with strictly forbidden and Violations will be reported to the Dean of Students, with a recommendation of an F in the course.

Note on AI: Students are not allowed to use advanced automated tools (artificial intelligence or machine learning tools such as ChatGPT) on assignments in this course. Each student is expected to complete each assignment without substantive assistance from others, including automated tools.

Student Well-Being:

EIU is committed to supporting and advancing the mental health and well-being of our students. Students may experience stressors that can impact both their academic experience and their personal mental health and well-being. These may include academic pressure and challenges associated with relationships, anxiety, depression, alcohol or other drugs, identities, and finances. If you are experiencing concerns, seeking help is a courageous thing to do for yourself and those who care about you. A list of available campus resources is available on D2L.

Eastern Illinois University prohibits relationship violence, stalking, sexual assault, sexual harassment, and other forms of sexual misconduct in any of its employment situations or educational programs and activities (see <https://www.eiu.edu/mandatedinformation/assault.php>). It is the responsibility of faculty chairpersons, administrators, and supervisors to inform the appropriate offices about potential instances of sexual harassment. All other faculty and staff are expected to report these incidents as well. Employees who are not required to report include those who work in the Counseling Clinic, and Medical Clinic. Students are encouraged to contact the confidential advisor, located in the Counseling Clinic, who is able to provide support and advocacy, and explore options. A list of available campus resources is available on D2L.

Students with disabilities:

If you are a student with a documented disability in need of accommodations to fully participate in this class, please contact the Office of Accessibility and Accommodations. All accommodations must be approved through Office of Accessibility and Accommodations. Please stop by McAfee Gym, Room 1336, or call 217-581-6583 to make an appointment.

Students who receive accommodations are expected to meet with their instructor to discuss necessary accommodations. This meeting should take place during the instructor's office hours as Academic Accommodation Letters are confidential and not to be discussed in a classroom setting. This meeting should be scheduled as early as possible in the semester so that accommodations can be made in a timely manner. It is the student's responsibility to schedule the meeting and ensure that accommodations are adequate. Accommodations will be made no earlier than the date that the AAL received by the instructor; the AAL is not retroactive.

Eastern Illinois University Title IX Statement:

It is the policy of Eastern Illinois University that sexual harassment of one member of the campus community by another will not be tolerated. Additionally, sexual harassment is illegal, and may include conduct from one employee toward another or from one student to another. Eastern Illinois University also provides equality of opportunity in education and employment for all students and employees. Discrimination based upon race, color, sex, religion, age, national origin, ancestry, marital status, disability, Vietnam War veteran status, sexual orientation, or any other basis of discrimination precluded by federal and state statutes is strictly prohibited. This policy is located at <https://www.eiu.edu/civil/titleix.php>. For additional information concerning sexual harassment or discrimination, or to file a complaint, contact to the Civil Rights Office at (217) 581-5020.

Commitment to ADA Digital Accessibility Compliance:

As your instructor, I am committed to creating an inclusive learning environment where all learners have equal access to course materials and activities. I strive to make the digital content in this course as accessible as possible for all learners according to current ADA rules. If you encounter any barriers to your learning in this course, please feel free to reach out to me directly. I welcome your feedback and will work with you to address any accessibility concerns. This statement does not replace the formal process for requesting disability-related accommodations, which can be accessed through the Office of Accessibility & Accommodations.

Copyright Statement:

Materials in this course should be treated as copyrighted; these materials are intended for use only by students registered and enrolled in the course and only for instructional activities associated with and for the duration of the course. They may not be retained in another medium or disseminated further. Materials are provided in compliance with the provisions of the Teach Act.