

CHM 1040G THE WORLD OF CHEMISTRY (LAB PART) – Section 003

Syllabus for Fall 2026

Instructor: Dr. Steven Pellizzeri
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Office Hours:
Monday 1:00 pm – 2:00 pm.
Tuesday 12:00 pm – 1:00 pm.
Wednesday 1:00 pm – 2:00 pm.
Thursday 12:00 pm – 1:00 pm.
and by appointment at [Book time with Steven Pellizzeri](#)

Meeting Days, Time, and Location: Prelab - Tuesday, 2:00 pm - ~2:15 pm, PSB 4125
Lab - Tuesday, ~2:15 pm - 3:50 am, PSB 4010

Course Description: An introduction to chemicals, chemical processes and chemical theories with an emphasis on how chemistry is used to explain and shape our world and condition. No credit toward the major or minor in chemistry, nor for a student who has credit in a previous laboratory-based course in college-level chemistry. Credits: 1.

General Information: This laboratory course is designed to complement and enhance the concepts introduced in the World of Chemistry 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. **You will receive a single combined course grade for the lecture and lab components of CHM1040G.**

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 "CHM1040G"
- 3) a concise and coherent message
- 4) sign off with your full name

Course Goals/Learning Objectives: General education goals provide students with the opportunity to demonstrate the ability to write and speak effectively and the ability to think critically. Students enrolled in CHM1040G will develop and demonstrate knowledge and competencies in the following areas:

- write laboratory reports.
- take short answer essay exams.
- judge calculated answers by comparison with what is physically reasonable.
- assess the ability of modern chemical theory to explain chemical phenomena.
- understand and assess science-related news items.
- understand the nature and behavior of some common chemicals.
- understand the role chemicals and chemical reactions play in biological, environmental, or industrial processes.

Course Materials and Resources – Course Fee: \$40

- **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.
- **D2L:** course information, syllabus, experiment schedule, announcements, etc. Check D2L regularly for updates.
- Splash proof goggles (**Provided**)
- 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. **Safety is a primary concern and a list of safety rules can be found in the lab manual. Read and follow the safety regulations. Violation of these rules, or other unsafe practices, will not be tolerated and failure to follow safety rules (including repeated reminders from me to put on your goggles) can result in expulsion from the lab.** Lastly, please seek help if there is anything that you don't understand, I'm always willing to help.

Splash proof safety goggles are provided to each student during lab time. Wear **goggles** in the lab at all times, even after completing all experimental work for the day.

Grading:

There are three components to the course grade:

- (1) Eight One-Week Lab reports ----- 120 points (15 pts each)
- (2) Lab report of experiment 6 (3-week lab) ----- 45 points (15 pts x 3)
- (3) Lab report of experiment 10 (2-week lab) ----- 30 points (15 pts x 2)

Lab grades will be posted on D2L. Your lab grade (**the lowest two grades will be dropped, 165 points in total**) will be finally added to your lecture grade.

Attendance: **Attendance is required in all labs on time.** Lab starts **promptly at 1:00 pm**. When you arrive, go to the pre-lab room, PHYS 4125 and then I will go over a brief pre-lab lecture. After we are done in 4125, you will go directly to your assigned lab bench in room 4010. 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. 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**.

Experiments will be performed in the same order as in the Laboratory Schedule at the end of this syllabus. Expect to stay the entire time. Failure to arrive at the scheduled time will result in you missing valuable lab time. All lab work, including cleaning, needs to be done before the end of the lab period.

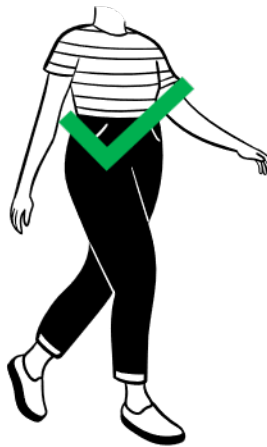
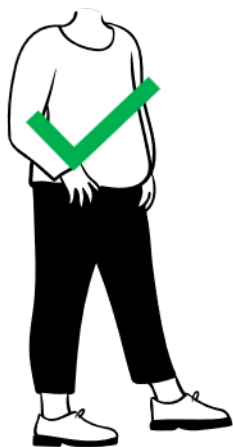
Fall 2026 CHM1040G - Laboratory Schedule

Date	CHM 1040G (lab)
8/25	Lab Orientation / Check-in
9/1	Exp 1: Laboratory Tools: The Balance, Graduated Cylinder, Buret, Bunsen Burner
9/8	Exp 2: Measurement of Physical Properties
9/15	Exp 3: The Vitamin C Content of Fruit Juices
9/22	Exp 4: Properties and Composition of Air
9/29	Exp 5: Percent Cu in CuO
10/6	Exp 6: Preparation and Analysis of a Double Salt (Part 1)
10/13	Exp 6: Preparation and Analysis of a Double Salt (Part 2)
10/20	Exp 6: Preparation and Analysis of a Double Salt (Part 3)
10/27	Exp 7: Chemical Equations: Mass Relationships
11/3	Exp 8: Chemical Equations: Energy Relationships
11/10	Exp 9: Acid-Base Titration
11/17	Exp 10: Synthesis and Characterization of Aspirin (Part 1)
11/24	<i>No Lab – Thanksgiving Break</i>
12/1	Exp 10: Synthesis and Characterization of Aspirin (Part 2)
12/8	Lab Check-out

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)



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 to 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 (2:50 pm).** You will get a penalty of **3 points per late day** for late submission. 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.

Make-up policy: There is no make-up experiment. If you are absent from one experiment, it will be dropped as the lowest grade. If you miss multiple experiments, the first two absences will be the drop grades. A grade of “zero” will be given to additional absences. Two free drops should cover the most unforeseen circumstances. If you have more absences because of a valid reason with documentations, you need to notify the instructor prior to the start of the lab.

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.

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 Lab:

1) Come Prepared: Before each lab session, carefully read through the lab manual 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 preparation. 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!

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.

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.

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.

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.

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.