

SYLLABUS

Part II

EDISON STATE COMMUNITY COLLEGE

CHM-110S-802US Intro to Chemistry

4 credit hours

Class Meeting Times: Online

Location: Online

Faculty Information

Faculty: Eric Sullenberger, Adjunct Instructor

Faculty Qualification: Master of Education: Science Education, University of Dayton, 2011 & Non-degree coursework in Chemistry from Wright State University, 2007 and Illinois State University, 2017

Office Hours: by appointment virtual or in-person

E-mail: esullenberger@edisonohio.edu

Phone: 707-MR-SULLY *as backup to email only*

MATERIALS AND EQUIPMENT SUPPLIED BY STUDENTS

Required Materials:

- CHM-110 Lab Manual (available on Blackboard)
- Introductory Chemistry Version 3.0 - Ball, David. ISBN-13: 9798887942155, Publisher: Flatworld Knowledge, © 1/1/2025
- Computer with Windows 7, 10, or 11; Mac OS X 10.12 – 10.15; Chrome OS; or iOS 10 – 12.1 operating system installed.
 - Must also install Respondus LockDown Browser with Monitor.

Recommended Materials / Other:

- Pencils, pens, paper, calculator (scientific or graphing, must have log function, cell phone and computer calculators may not be used on exams)
- 1-page, single-sided Periodic Table
- Blackboard mobile app available (do not use for homework or tests)

CLASS POLICIES:

Late Work:

Late work will not be accepted without an outside, verifiable excuse. Verifiable excuses include, but are not limited to: a doctor's note, an obituary for a close relative, etc. A one-time exception for a major assignment (worth 50 or more points) may be made at the instructor's discretion but will be subjected to a penalty of -10% per day, but limited to a maximum penalty of -40%. Assignments due during the last week of class, including the final exam cannot be extended.

Netiquette:

For any communication (discussion board, emails, etc.) good etiquette must be observed. In an online setting body language is not available and tone is hard to judge. Be careful the tone you communicate in typing- jokes and sarcasm should be avoided; every attempt should be made to be neutral, constructive, & professional. Avoid texting abbreviations and slang, typing in all caps, and always use spelling and grammar checks along with proofreading your writing. Use standard fonts, font colors, and sizes. Students are encouraged to upload a profile picture that clearly shows the student's face, but this is not required due to privacy reasons. Should a student choose to not use a personal photo as their profile image, they should not use an image of anyone else and are encouraged to have an image that is their name or initials.

Communication:

Emails from students will be replied to within 2 working days if the email has the course number and section [e.g. CHM-110S-802US *followed by subject information*] in the subject line and comes from your Edison email. E-mails that do not follow this format may be overlooked and will be replied to as soon as possible. Every effort should be made to send emails during the day and students are encouraged to use the delay send option. Even if the email is a question about an assignment, the assignment is still due at its normal date and time.

Online Testing:

Respondus LockDown browser will be used for all tests and bonus quizzes unless arrangements are made to take a proctored test on campus. During a test students may use a 1-page, front side only Periodic Table (a suggested Periodic Table is posted in the Test folder on Blackboard); blank (lined or unlined) scratch paper and writing instrument; a standalone (non-phone, computer, etc) calculator; and a handwritten, 3x5 two-sided notecard containing any information (formulas, notes, etc.) the student would like. Students are encouraged to use the "Show Your Work" feature on Blackboard to receive partial credit back on multiple choice questions involving calculations. Students should follow-up with an emailed photo of their work from their Edison email address using the subject line: CHM-110S-802US Test # Work within 10 minutes of submitting the test. Students are encouraged to work in a distraction free setting and must complete the test in 1 sitting, being visible to the webcam the whole time. If there are any interruptions during the test, students should verbally explain what happened. If a cell phone (or other internet connected device outside of the computer being used for the test) is used at any time during the test, it will be assumed that the student was cheating and the student will receive a zero on the test.

Academic Integrity:

Edison Community College expects students to submit original work for each assignment. The Student Handbook <https://www.edisonohio.edu/digipub/StudentHandbook/index.html> , pages 28-29 clearly defines academic dishonesty and how Edison handles cases of academic dishonesty. Using peer support and tutoring services is not considered academic dishonesty, as long as the work is original and in your own voice, meaning you didn't submit work you did previously or "borrow" words/ideas without crediting the source. The same policy goes for AI-generated text. For example, you may use predictive text to fix spelling errors. You may not tell an AI software to write a critique of an essay for you and copy/paste the text. Any use of AI (outside of spell-checker) must be approved by the instructor and noted with the following at the bottom of the assignment:

"The author generated this text in part with <insert name/URL of AI platform>. Upon generating draft language, the author reviewed, edited, and revised the language to their own liking and takes ultimate responsibility for the content of this submission."

Any final draft exhibiting the use of AI without permission and crediting the source will be counted as plagiarism. Any assignment that is plagiarized (whether intentional or unintentional) or lacks appropriate citations will automatically receive a failing grade. Intentional submission of someone else's work as your own will result in automatic failure for the course. Whereas, assignments that simply fail to cite in MLA format will have points deducted accordingly.

Testing Your Faith Act Policy:

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, <https://www.edisonohio.edu/services-support/registration-records>, located in "Forms " and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <https://www.edisonohio.edu/services-support/student-resources>.

Additional Policies and Resources:

Other Edison State Community College policies and resources are listed at the end of the syllabus and are also posted on the Institution Page on Blackboard and students are strongly encouraged to review them. Every attempt is made to keep the policies updated on the syllabus, but the Institution Page has the official policies and supersedes any differences.

Grades

EVALUATION PROCEDURES:

Homework:	10 assignments worth 10 points each	= 100 points
Labs:	10 assignments worth 10-20 points each	= 120 points
Test & Final Exam	5 assignments worth 100 points each	= 500 points
Research Project	2 parts worth 40 points each	= 80 points
Total Points		= 800 points
(a 69.5% is needed to pass, which is 566 points)		

FINAL GRADE STANDARDS

90% - 100% = A	716 - 800 pts
80% - 89% = B	636 - 715 pts
70 - 79% = C	556 - 635 pts
60 - 69% = D	476 - 555 pts
< 60% = F	000 - 475 pts

WEEKLY SCHEDULE & COURSE OUTLINE

Important Dates:

June 8	Summer Semester begins
June 19	Juneteenth - Edison Campuses Closed
June 22	Refund Deadline & Last Day to Withdraw without Grade
July 3	Independence Day Observed - Edison Campuses Closed
July 7	Midterm
November 3	Last Day to Withdraw with Grade
August 1	Summer Semester ends

Schedule Outline:

- Each chapter there are:
 - ☐ Lecture Videos (it is recommended that you follow along using the PowerPoints) - ungraded
 - ☐ Textbook reading - ungraded
 - ☐ Homework - graded
 - ☐ Virtual lab - graded
 - Approximately every 2 chapters there are:
 - ☐ Test Study Guide - optional
 - ☐ Test - graded
- For chapters that are covered in 1 week- Homework is due at the end of the week
- For chapters that are covered in 2 weeks the DSM is due on the first Sunday and the Homework on the second Sunday.
 - The course week runs Monday to Monday with online assignments being due at 11:59 pm.
The schedule is subject to change - watch Blackboard for announcements

Recommended Weekly Schedule

- Monday – Read PowerPoints and Watch Lectures
- Tuesday – Read Chapter and use Textbook features
- Wednesday – Start Homework
- Thursday – Finish Homework
- Friday – Do Virtual lab
- Weekend - take a break, work on getting ahead, finish weekly work since it is due on Mondays, and/or work on the research project.
 - Although work is due on Monday, technology problems happen, so students are encouraged to turn in their work early, since late assignments are not accepted. Additionally, it is recommended that this weekly schedule be followed and Mondays used as outlined above, rather than for finishing the prior week's work.

Class Schedule

All assignments are due on Mondays at 11:59 p.m., unless otherwise noted.

Homework assignments will be done on Blackboard using the textbook software.

Labs will be turned in together in two batches using TurnItIn on Blackboard.

Tests and the Final Exam will be taken on Blackboard using Respondus LockDown Browser, unless arrangements are made to take a proctored test on campus.

The Research Project Paper will be uploaded to TurnItIn on Blackboard.

The Research Project Video will be linked on or uploaded to a Discussion Board on Blackboard.

Week 1 6/8-15 Chapter 1 - What is Chemistry? & Chapter 2 Measurements

Assignment Due - Practice Quiz due Sunday 6/14 @11:59pm , 10 bonus points

Lab - Intro & Techniques Lab, due with Lab Check 1 in Week 4

Watch Chapter 1 Lecture videos

Read Chapter 1

Assignment Due 6/15 - Chapter 1 Homework

Lab - Qualitative Analysis, due with Lab Check 1 in Week 4

Watch Chapter 2 Lecture videos

Read Chapter 2

Assignment Due 6/15 - Chapter 2 Homework

Week 2 6/15-22 Chapter 3 - Atoms, Molecules, & Ions & Chapter 4 - Chemical Reactions & Equations

Lab - Identification of a Substance, due with Lab Check 1 in Week 4

Watch Chapter 3 Lecture videos

Read Chapter 3

Assignment Due 6/22 - Chapter 3 Homework

Lab - Formulas & Nomenclature Lab, due with Lab Check 1 in Week 4

Watch Chapter 4 Lecture videos

Read Chapter 4

Assignment Due 6/22 - Chapter 4 Homework

Week 3 6/22-6/29 Test 1 & Chapter 5 - Stoichiometry & the Mole

Test 1 Study Guide (optional & ungraded)

Assignment Due 6/29 - Test 1 (Chapter 1-4)

Lab - Balancing Rxn Eqns & Stoichiometry Calc, due with Lab Check 1 in Week 4

Watch Chapter 5 Lecture videos

Read Chapter 5

Assignment Due 6/29 - Chapter 5 Homework

Week 4 6/29-7/6 Chapter 6 - Gases, Lab Check #1, & Test 2

Lab - Charles's Law Lab, due with Lab Check 1 this week

Watch Chapter 6 Lecture videos

Read Chapter 6

Assignment Due 7/6 - Chapter 6 Homework

Assignment Due 7/6 - Lab Check #1

Test 2 Study Guide (optional & ungraded)

Assignment Due 7/6 - Test 2 (Chapter 5-6)

Chapter 7 is not covered in this course.

Week 5 7/6-13 Chapter 8 - Electronic Structure & Chapter 9 - Chemical Bonds

Lab - Determination of the Formula of a Hydrate, due with Lab Check 2 in Week 7

Watch Chapter 8 Lecture videos

Read Chapter 8

Assignment Due 7/13 - Chapter 8 Homework

Lab - Chemical Models Lab, due with Lab Check 2 in Week 7

Watch Chapter 9 Lecture videos

Read Chapter 9

Assignment Due 7/13 - Chapter 9 Homework

Chapter 10 is not covered in this course.

Week 6 7/13-20 Test 3 & Chapter 11 - Solutions

Test 3 Study Guide (optional & ungraded)

Assignment Due 7/20 - Test 3 (Chapter 8-9)

Lab - Calorimetry, due with Lab Check 2 in Week 7

Watch Chapter 11 Lecture videos

Read Chapter 11

Assignment Due 7/20 - Chapter 11 Homework

Week 7 7/20-27 Chapter 12 - Acids & Bases, Research Project, & Lab Check #2

Bonus Lab - Properties of Acids & Bases, due with Lab Check 2 this week, worth 10 bonus points

Lab - Analysis of Antacid Tablet Lab, due with Lab Check 2 this week

Watch Chapter 12 Lecture videos

Read Chapter 12

Assignment Due 7/27 - Chapter 12 Homework

Assignment Due 7/27 - Research Project Paper & Video

Assignment Due 7/27 - Lab Check #2

Week 8 7/27-7/31 Test 4 & Final Exam

Note that since this is the last week of the semester assignments are due Friday 7/31 @ 11:59 p.m.

optional Assignment Due 7/31 - Bonus Quiz over peers' research project videos, worth 20 bonus points

Test 4 Study Guide (optional & ungraded)

Assignment Due 7/31 - Test 4 (Chapter 11-12)

There is no Study Guide for the Final Exam, please use past study guides and tests to study for the Final.

Assignment Due 7/31 - Final Exam

LEARNING STRATEGIES:

1. Read the textbook sections, watch the embedded videos, and use the AI learning features. Skim the PowerPoints. Watch the lecture videos. Take notes over both and follow along with the PowerPoints. These things are ungraded, but if you try to dive straight into the assignments in an online class you are assuming you can teach yourself. Online classes are flexible, but you still need to be instructed/taught. Lectures and textbook reading are not graded or exciting, but are essential to understanding. If you feel you can't do both, pick one and try it first.
2. Complete the homework. With the exception of the first test (four chapters), there are tests every other chapter (2 chapters per test).
3. Working out the problems is your BEST study aid for chemistry. Do textbook homework problems every day. Do **not** get behind. Ask questions if you do not understand something. As the instructor it is my job to teach and your job to ask questions, so you can learn.

Communicate with your instructor. I will be happy to meet with you! E-mail me with questions. If we need to meet, send me a couple of blocks of time that you are available, and I will set up a meeting for us on Zoom or on campus. Use **only** my Edison email to contact me from **your** Edison email; Blackboard does not let me know if you've tried to message me there, my cell phone is only for emergencies, and other email addresses you have aren't as easily identifiable by me (and will sometimes get blocked by Edison's filters). For security purposes all emails must be done through Edison's email system. *Please remember that even though you can work on this course 24/7 I am not available 24/7.*

Note

Keeping up with class is critical to the success for this course. Plan a set schedule and do some coursework each day. You are encouraged to work ahead- most assignments (tests being the major exception) are posted at the beginning of the course. The standard rule of thumb for college courses is to spend the number of credit hours a course is worth in class and then put in double those hours outside of class. Since this course is an online course a minimum of 3 hours of class time and 6 hours of class work per week should be expected. Additionally there is a lab hour built into the class which should account for 3 more hours per week worth of work (1 hr course lab + 2 hours independent time). Classwork includes reading the text, watching the

lecture videos, completing homework assignments, doing labs, studying for & taking tests, & completing the research project. Since watching lectures is not a graded assignment it is tempting to not watch the videos. However, the lecture videos are the primary place where instruction occurs. Trying to tackle graded assignments without instruction from the notes, lectures, and/or textbook reading is difficult and likely will not result in success. Late work will not be accepted except for prearranged conflicts with verifiable excuses (doctor's note for upcoming procedure, obituary for funerals, etc.). Conflicts and emergencies do arise (car accident, illness, internet outage, etc.), so do not wait to complete coursework until the due date is near- late work will not be accepted. All Homework, Tests, & Lab Checks will be due each Monday **at 11:59 p.m.** (unless otherwise noted). The research project is an exception to this and due dates are listed on the schedule above (reminders will be posted on Blackboard). Even though late work is not accepted you will still need to complete the work to prepare for the tests and since some topics build upon the prior topics.

Research Project

Directions for the presentation are posted on Blackboard. The project consists of a 1-2 page paper and a 3-5 minute video. To encourage you to watch your peers' presentation videos an optional quiz featuring one multiple choice question over each presentation will be offered for up to 20 bonus points.

Tests

You will be allowed a Periodic Table, a stand-alone calculator, a 3x5 notecard with any information in any format you'd like, and occasionally provided reference diagrams for each test. All tests will use Respondus Lockdown Browser - do not start the test if you are having problems with Respondus. There will be an on-screen calculator. You will have the option to take a photo of your work at the end of tests and are encouraged to email the instructor a backup copy of the work immediately after finishing the test. The final exam is cumulative.

ADDITIONAL POLICY STATEMENTS

ACCOMMODATIONS /ACCESSIBILITY AND DISABILITY SUPPORT SERVICES POLICY

Edison State Community College will make reasonable accommodations for students with documented disabilities. If you believe you may need an accommodation based on the impact of a disability, contact the instructor privately with your self-identification letter. If you do not have a self-identification letter, contact Accessibility and Disability Support Services by emailing disabilities@edisonohio.edu or by calling 937.778.7850. Accessibility and Disability Support Services is located on the Piqua Campus in Room 160.

ADVISING SERVICES

Edison State's career pathway advisors are your partners in success. A career pathway advisor is the first advisor that you will meet with once you have made the decision to further your education. Together, you and your career pathway advisor will:

- Identify the right academic major to set you on your desired career path.
- Identify the courses you'll need to accomplish your academic goals.
- Help you develop a student plan tailored to your lifestyle and work schedule.
- Prepare you to navigate your first semester at Edison State.

You can find your career pathway advisor and faculty advisor information, including their email address, by logging into MyESCC and clicking on Student Planning. Go to Plan and Schedule and click on the Advising tab. You may also call 937-778-7850 to connect via phone call.

BOOKSTORE SERVICES

eCampus is Edison State's official bookstore and is located on the Edison State webpage, under "Resources," "Bookstore," or at <https://edisonohio.ecampus.com>. You can also access eCampus from the ESCC home page, under "Campus Services." Through eCampus, you can rent or buy books, access course materials, or purchase ESCC merchandise.

CAREER AND JOB SERVICES

Our Career and Job Services advisors are dedicated to helping students and alumni advance their professional development as they make career decisions, develop job search strategies, pursue experiential opportunities and secure employment. Career and Job Services also provides career assessments, career information, resume and cover letter help, job postings and resources, tips for interviewing and more. Visit <https://www.edisonohio.edu/Career-and-Job-Services/> for more information.

COMPUTERS

If you are working on campus, computers with internet access are available in the internet café. The Library and Tutoring Center has computers and printers available for your use.

HEALTH AND WELLNESS SERVICES

Health and Wellness Services are available on the Edison State Piqua campus. The program is dedicated to providing resources that promote healthy lifestyle choices for our students, faculty and staff and is managed by the Human Resources department.

LIBRARY SERVICES

The Edison State library is not only a comfortable place to study, we have an expansive collection of online resources available to help you with your research. Check out the library webpage here:

<https://www.edisonohio.edu/Library/>. Libguides and short instructional videos are available to help you use these resources and can be found at: <https://libguides.edisonohio.edu/>. Please contact the library staff with any library questions you may have at library@edisonohio.edu, 937-778-7950, or stop in!

MENTAL HEALTH SERVICES

College is stressful! Feeling burned out, anxious, frustrated? When challenges arise that you need help dealing with, it's helpful to have someone to talk to. We have established partnerships with many local mental health providers. If you are struggling and need to speak with someone in person, please reach out to the Edison State Care Team, <https://www.edisonohio.edu/CARE-Team/>. If you are concerned about a student or colleague, please file a CARE Team form <https://www.edisonohio.edu/CARE-Team-Referral-Form/> so that immediate assistance can be given. This link and the CARE Team website can be found under Campus Services on our home page.

STUDENT RESOURCE CENTER AND CHARGER STATION FOOD PANTRIES

Edison State Community College is proud to assist students needing help to obtain basic necessities. The Student Resource Center and Food Pantry is stocked with all kinds of grab-and-go snacks, meal supplies, toiletries, household needs, and community resources. Stop by and check out our Charger Stations in Room 163 at Piqua, in the student lounge at Troy, in the Brooke-Gould Learning Resource Center at Eaton, and in Room 121 (for personal care items) and pantry items in the student lounge at Greenville. If you need additional assistance, please reach out at ResourceCenter@edisonohio.edu.

TECHNICAL SUPPORT SERVICES

For Blackboard Assignment issues, the Instructor should be the first point of contact

For Log-in or other technology issues:

There are several steps you can follow if you have issues logging in to Blackboard or Office.

During business hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts.
- Reach out for help during regular business hours (9-5 Monday-Thursday, 9-4 Friday)
 - email to support@edisonohio.edu
 - call 937-778-8600 and ask for IT Help Desk

After hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts
- Go to www.edisonohio.edu into the Resources tab and click "IT Help Desk" then click "Chat".
- Call 937-778-7957 and talk to the off-campus Blackboard company to get help

TITLE IX STATEMENT - Anti-Discrimination, Harassment and Bullying

It is the policy of the College to maintain a learning environment free from bullying, discrimination, sexual harassment or sexual violence. Title IX federal law protects students, employees and third parties with a relationship to the college.

All Edison State Community College employees are required to report all knowledge of incidents that violate the Title IX policy to the Title IX Coordinator or Deputy Title IX Coordinator immediately. Student and employee confidential consultation is available through the Coordinator of Health and Wellness Services.

Title IX Policy and procedure language as well as contact information for the Coordinator of Health and Wellness, Title IX Coordinator and Deputy Title IX Coordinator can be found at www.edisonohio.edu/TitleIX/.

TUTORING SERVICES

All Edison State students are eligible to receive free tutoring and learning support services through our Tutoring Center. Available services include Edison State tutors, both online and in-person, covering a wide variety of courses including various levels of math and paper reviews, online tutoring through OhioLINK eTutoring, distraction-reduced study rooms, and the use of Tutoring Center resources including subject-specific and general study guides. For more information on tutoring services, visit the Tutoring Center in the Library, email us at tutoringcenter@edisonohio.edu, call 937-778-7959, or visit our webpage at <https://www.edisonohio.edu/tutoring-center/>

ADDITIONAL SUPPORT SERVICES

For additional help, please click the ASSIST tab on Blackboard or the Edison State Student Resources folder within your course.