



CHEM 1211 – Principles of Chemistry I

Course Syllabus – Fall 2019

Individuals with disabilities who need to request accommodations should contact the Disability Resource Center, Edgewater Hall, Suite 255; 678-466-5445;
DisabilityResourceCenter@clayton.edu.

INSTRUCTOR INFORMATION

Aubrey Dyer, PhD

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<i>Office hours</i>	Mon and Wed 2-4pm; Tues and Thurs 3-4pm

The best way to contact me is via email. If you do not get a response within one business day, assume I did not get your email. I do not always check email on weekends.

Student-Professor Conferences

I encourage you to meet with me at any mutually convenient time to discuss issues relating to the course. If you are having difficulties with the course, please meet with me as early as you can, so I can address your concerns.

COURSE DETAILS

Course title: CHEM 1211– Principles of Chemistry I (CRN 81184 sec 1; 81185 sec 2)

Classroom location: Lakeview Discovery & Science Center, Room 210

Class meeting day and time: Tuesday and Thursday, 12:45 – 2:00pm section 1
Tuesday and Thursday, 9:50 – 11:05am section 2

Required materials:

- Good news: your textbook for this class is available for free online! If you prefer, you can also get a print version at a very low cost. Your book is available in web view and PDF for free. You can also choose to purchase on iBooks or get a print version via the campus bookstore or from OpenStax on Amazon.com. You can use whichever formats you want. Web view is recommended -- the responsive design works seamlessly on any device. If you buy on Amazon, make sure you use the link

on your book page on openstax.org so you get the official OpenStax print version. (Simple printouts sold by third parties on Amazon are not verifiable and not as high-quality.)

Chemistry: Atoms First from OpenStax, Print ISBN 1938168151, Digital ISBN 1947172182, <https://openstax.org/details/books/chemistry-atoms-first-2e>

- Access to Alta by Knewton, ISBN: 9781635452440. Course access will be available through D2L.
- Scantrons for exams

Credit hours: 3.0 semester credit hour

Catalog description: First course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature.

Pre-requisites: MATH 1112A (or MATH 1113 or MATH 1501) with a minimum US grade of D (can be taken concurrently).

Co-requisites: CHEM 1211L.

LEARNING OUTCOMES

Course Learning Goals

Following the completion of this course, each student should:

- Perform conversions between units
- Differentiate between molecules, ions, molecular compounds, and ionic compounds
- Interpret simple chemical nomenclature
- Perform stoichiometric calculations and identify types of reactions
- Analyze atomic and molecular structures

Chemistry Learning Outcomes

CHEM 1211 is a required course in the B.S. degree program in Chemistry.

Upon completion of this course, students will be able to:

1. Demonstrate knowledge of the basic principles of majors fields of chemistry. (Outcome 1)
2. Apply knowledge of physics and mathematics to solve chemical problems. (Outcome 4)
3. Evaluate and interpret scientific data, and employ critical thinking to solve problems in chemistry and supporting fields. (Outcome 6)
4. Identify and describe the impact of chemistry on society. (Outcome 8)

EVALUATION & GRADING

You will be evaluated with the following categories of assignments:

Assignment category	Assessment type*	Weight (%)
Formative assignments	Formative	30%
Summative assignments	Summative	10%
Three exams	Summative	40%
Final exam	Summative	20%
TOTAL		100%

* Formative assignments provide feedback intended to shape (or form) how you are learning the necessary content and skills. They are typically low stakes assignments (i.e., not worth a lot of points). Think of them as progress reports for you and your instructor to check that you are understanding that topic. Examples of formative assignments include homework, in-class participation, section quizzes, exam-wrappers, and reflection assignments.

Summative assignments measure your mastery of content and skills at the end of an instructional period. It assesses the sum of what you have learned. Examples of summative assignments are exams and mini-tests (aka. unit quizzes).

Studies have shown that the use of formative assessments can enhance student learning and performance ([Hanover Research 2014](#), [Andersson & Palm 2017](#)).

Your grade will be determined as follows:

Grade	Percentage
A	89.5 - 100%
B	79.5 – 89.4%
C	69.5 – 79.4%
D	59.5 – 69.4%
F	below 59.4%

Mid-term progress report: The mid-term grade in this course will be issued by October 2nd. All students will have their course average updated on D2L. Students may choose to withdraw from the course and receive a grade of "W." Students pursuing this option must fill out an official withdrawal form, available in the Office of the Registrar, by mid-term, which occurs on October 4th. [Instructions for withdrawing are provided at this link.](#)

The last day to withdraw without academic accountability is Friday, October 4, 2019.

COURSE POLICIES

Professional behavior

Professional behavior requires submitting assignments on time, being on time for class, and being respectful towards others in person and through written communications. Below are guidelines for you to follow on what is professional behavior:

1. **Attendance is expected.** Attendance of all classes will be checked via RollCall. It is your responsibility to sign in for every class you attend. The roll sheet is the instructor's official record. You are expected to remain in class for the entire period or until you are excused.

If you miss class, you are responsible for all the material that was covered. If you have an acceptable excuse and have provided the necessary documentation, any participation points missed on that day will not count in your final course grade. Unexcused absences result in a grade of zero for any graded work that was completed in class (except for mini-tests and exams).

Arriving to class on time is your responsibility. Examinations begin at the start of the class period on the dates indicated. If you arrive late, you will not be given a time extension.

2. **Late policy on assignments.** Due dates for assignments (exam wrappers and reflection assignments) are indicated on D2L. Late assignments are subject to a penalty of 10% of the points for each 24-hour period that the assignment is late. No late submissions are accepted after I have returned graded work.
3. **Many assignments will be submitted to the Assignments folder on D2L. It is your responsibility to ensure that the appropriate documents have been submitted by the deadline.** Submit documents as Word (.doc or .docx) files only. If you submit inappropriate documents (e.g., wrong file format or wrong assignment altogether), you will be subject to late penalties until you post the appropriate file to the Assignments folder. If you are having a problem uploading a document to D2L, email your assignment to me, and, as soon as you can, submit through D2L and leave a note that you sent us your document on time via email.
4. **Exam procedures.**
 - Exams start at the beginning of class. Students who arrive late will not be given extra time on the exam.
 - The use of or possession on your person of a cell phone, or any other electronic device (besides approved calculators), is not permitted during an exam. Anyone caught with a cell phone (in your hands, lap, pocket, etc.) will be subject to disciplinary action (see Academic Dishonesty below) and will receive a zero on the exam.

5. **Plagiarism will NOT be tolerated**, and any instances of plagiarism will be subject to disciplinary action (see 'Academic Dishonesty' below). Ignorance is not an excuse. If you are ever in doubt, please ask for help.
6. **Proper email etiquette.** Effective email communication is a vital professional skill. To build the habit of professional email etiquette, I ask for the following:
 - Clearly identify yourself in the body of the email
 - Clearly identify which class you are writing about (e.g., 1211 morning or afternoon section)
 - Provide an informative subject line (e.g., Meeting request, Question about reflection assignment)

Please note that I cannot discuss grades by email.

7. **Respectful behavior is expected.** This means active listening when I am talking or when another student is talking during class discussions. Inappropriate side-conversations and the inappropriate use of laptops/cell phones are distracting to other students and disrespectful to everyone. Students repeatedly violating this policy will be asked to leave the classroom for being disruptive.

GENERAL UNIVERSITY POLICIES

General Policy

Students must abide by policies in the Clayton State University Student Handbook, and the [Basic Undergraduate Student Responsibilities](#). The Student Handbook is part of the [Academic Catalog and Student Handbook](#).

University Attendance Policy

Students are expected to attend and participate in every class meeting. Instructors establish specific policies relating to absences in their courses and communicate these policies to the students through the course syllabi. Individual instructors, based upon the nature of the course, determine what effect excused and unexcused absences have in determining grades and upon students' ability to remain enrolled in their courses. The university reserves the right to determine that excessive absences, whether justified or not, are sufficient cause for institutional withdrawals or failing grades.

Academic Dishonesty

Any type of activity that is considered dishonest by reasonable standards may constitute academic misconduct. The most common forms of academic misconduct are cheating and plagiarism. All instances of academic dishonesty will result in a grade of zero for the work involved. All instances of academic dishonesty will be reported to the [Office of Community Standards](#). Judicial procedures are described in the section of the [Academic Catalog and Student Handbook](#) titled, Procedures for Adjudicating Alleged Academic Conduct Infractions.

Disruption of the Learning Environment

Behavior which disrupts the teaching–learning process during class activities will not be tolerated. While a variety of behaviors can be disruptive in a classroom setting, more

serious examples include belligerent, abusive, profane, and/or threatening behavior. A student who fails to respond to reasonable faculty direction regarding classroom behavior and/or behavior while participating in classroom activities may be dismissed from class. A student who is dismissed is entitled to due process and will be afforded such rights as soon as possible following dismissal. If found in violation, a student may be administratively withdrawn and may receive a grade of WF.

More detailed descriptions of examples of disruptive behavior are provided in the Code of Conduct and Disciplinary Procedures sections of the Clayton State University [Academic Catalog and Student Handbook](#).

Weapons on Campus

Clayton State University is committed to providing a safe environment for our students, faculty, staff, and visitors. Information on laws and policies regulating weapons on campus are available at <http://www.clayton.edu/public-safety/Safety-Security/Weapons>

COMPUTER REQUIREMENTS

Each CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. Students will sign a statement attesting to such access. For further information on CSU's Official Notebook Computer Policy, please go to <http://www.clayton.edu/hub/itpchoice/notebookcomputerpolicy>.

Computer Skill Prerequisites

- Able to use the Windows™ or Mac™ operating systems
- Able to use Microsoft Word™ and Microsoft Excel™
- Able to send and receive e-mail using Outlook™
Only use your CSU e-mail account or the e-mail system included in D2L to communicate academic information to your instructor.
- Able to attach and retrieve attached files via email
- Able to use a Web browser

In-class Use of Student Laptop Computers

Laptop computers may be used in the classroom, provided their use is not distracting for others.

Desire2Learn (Online Classroom)

Students can access course materials on D2L. Posting of your work in D2L is a course requirement. You can gain access to Desire2Learn, by signing on to the SWAN portal and selecting: "D2L" on the top right side. If you experience any difficulties in D2L, please email or call The HUB at TheHub@mail.clayton.edu or (678) 466-HELP. You will need to provide the date and time of the problem, your SWAN username, the name of the course that you are attempting to access, and your instructor's name.

Changes/additions to this syllabus can be made at the instructor's discretion at any time.

Last update: 10 August 2019