



## **CHEM 1151 – Survey of Chemistry I**

### **Course Syllabus – Summer 2021**

---

| [Course Details](#) | [Classroom Location and Time](#) | [Required Materials](#) | [Learning Outcomes](#) |  
[Instructor Information](#) | [Evaluation and Grading](#) | [Course Schedule](#) | [Course Policies](#) |

---

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

---

#### **COURSE DETAILS**

Course title: CHEM 1151– Survey of Chemistry I (CRN 50923)

Credit hours: 3.0 semester credit hour

Catalog description: First course in a two-semester sequence covering the elementary principles of general, organic, and biochemistry designed for allied health science majors (this course is also open to non-science majors). Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry.

Pre-requisites: MATH 0099, MATH 1101, or MATH 1111 with a minimum US grade of D (or MATH 1113, MATH 1112, or MATH 1501 can be taken concurrently).

Classroom location and time: This course is 100% online. There will be no on-campus meeting times.

Required materials:

- Good news: your textbook for this class is available for free online! Your book is available in D2L for free.  
The sources of material for your course this semester is from a variety of free, open access materials and includes:
  - Chemistry: Atoms First, 2<sup>nd</sup> edition; from OpenStax, Digital ISBN 1947172182, <https://openstax.org/details/books/chemistry-atoms-first-2e>
  - Introduction to Chemistry: General, Organic, and Biological, v. 1.0; by Ball, et. al., from Creative Commons
  - Chemistry for Allied Health, by Soult, from LibreTexts.
- Homework, Quizzes, and Exams will be accessed through CHEM101. You are required to purchase a subscription to CHEM101 for the semester. ISBN: 9781734551310.

#### Computer requirement:

Each CSU student is required to have “on demand access” throughout the semester to “an appropriate computing device” that meets faculty-approved hardware and software requirements for the student’s academic program. Students will be required to sign a statement attesting to such access. For further information on CSU’s Computer Devices Policy, see the [Academic Catalog and Student Handbook](#).

#### Software Requirements:

To properly access the course content, you will need to download the following free software:

- Adobe Reader (needed to access files in PDF format):  
<http://get.adobe.com/reader/>
- Respondus Lockdown Browser
- Microsoft Teams

#### Computer Skills Prerequisites:

- Able to use the Windows™ or Mac™ operating systems
- 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
- Able to upload and download a document using Desire2Learn and Teams
- Able to access and send messages in Desire2Learn and Teams
- Able to post discussion topics and respond to other’s discussion topics in Desire2Learn and Teams
- Able to access class learning materials in the modules in Desire2Learn and Teams

#### Computer Use in This Course:

A computer with secure, reliable and preferably high-speed internet connections will be required to access course materials, submit assignments and take assignments in Brightspace Desire2Learn (D2L). Computers also will be required to communicate with your instructor via email.

#### Desire2Learn (D2L, Online Course Content):

Online material will be posted in Desire2Learn Brightspace. Posting of your work in D2L is a course requirement.

You can gain access to D2L by signing on to the SWAN portal. New students, or those who would like a refresh on Brightspace (D2L) features, can review the [D2L Video Tutorials- For Students](#)

For instructions on joining a Microsoft Teams meeting, see [this brief introduction](#)

If you experience any difficulties in Desire2Learn or Microsoft Teams, please email or call the HUB at [TheHUB@clayton.edu](mailto:TheHUB@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 or Teams meeting, and your instructor's name.

#### Chem 101:

Course assignments will be accessible in Chem 101. Access to Chem 101 will be available through D2L (single sign-on). Completion of problem sets, quizzes, and exams in Chem 101 is a course requirement.

You will gain access to Chem 101 through the link provided on the first day of class in D2L. If you experience any difficulties in Chem 101, please contact their help desk at [support@101edu.co](mailto:support@101edu.co), (646)798-5323, or <https://support/101edu.co>

#### COVID-19 Course Delivery Impacts Statement:

Clayton State University reserves the right to move this course to remote instruction at any time during the semester due to potential impacts of COVID-19. If this occurs, students will be expected to access all course materials and submit their assignments using D2L (or other approved course delivery platform) and/or Microsoft Teams using their own internet and Wi-Fi services.

#### Major Student Activities:

- Reading and studying from the course reading assignments in D2L.
- Working assigned problems in Chem 101
- Viewing assigned videos in D2L
- Taking notes on course content
- Participating in group discussions
- Answering and asking questions in the class discussion board
- Taking quizzes and examinations in Chem101 and D2L

---

## LEARNING OUTCOMES

#### Course Learning Goals

Following the completion of this course, each student should:

- Effectively demonstrate the use of dimensional analysis to solve problems
- Exhibit an understanding of the basic atomic structure of matter
- Exhibit an understanding of basic chemical reactions: types and calculations inherent within the chemical reaction (stoichiometry)

---

## INSTRUCTOR INFORMATION

Aubrey Dyer, PhD

<i>Email</i>	<a href="mailto:aubreydyer@clayton.edu">aubreydyer@clayton.edu</a>
<i>Phone</i>	(678) 466-4894
<i>Office</i>	Lakeview Discovery Science Center, 235C

#### Office hours

By appointment– **via Microsoft Teams**

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.

---

## EVALUATION & GRADING

Assignment	Weight (% of grade)
Exam 1	12.5
Exam 2	12.5
Exam 3	12.5
Exam 4	12.5
Comprehensive Final Exam	17
Homework (in Chem101)	15
Quizzes	10
Participation	8

**Exams:** Four online exams will be given during the semester and are to be completed by 5pm on the dates listed below. The exams will be timed and no late submissions will be accepted. Material on exams will be taken from assigned reading, posted material, practice problems, quizzes, and Chem 101 assignments. You are required to have a functioning computer and internet access during the exam. See the note below regarding timed online assessments.

**Final Exam:** A 2-hour final exam will be given and will be comprehensive. The final exam is to be completed by 5pm on the date to be indicated. The final exam will be access through D2L and requires respondus lockdown browser. See the note below regarding timed online assessments.

**Assignments:** Homework assignments will be assigned in Chem101. You will find links to the specific assignments in the content units in D2L. Due dates will be listed in your D2L calendar.

**Quizzes:** There will be quizzes assigned in Chem101 that cover each Unit. Questions on the quizzes will cover material in the reading assignments, videos, homework, and practice problems.

**Participation:** Participation points will be earned by completing and submitting unit notes for each section of a unit. In addition, periodic reflection surveys at the end of each unit and exam will be assigned that allow for additional participation points to be earned.

**\*Timed Online Assessments:** *The online quizzes and exams must be taken by the deadline. Late assessments are not accepted. Anyone that does not complete a quiz or exam by the deadline will receive a "0". STUDY for the quizzes and exams! It is timed and designed to be taken without your notes. You will be able to complete it within the time allotted only if you*

*have studied. If you attempt to look through your notes you may run out of time. After the quiz deadline has expired, you may access the listing of missed questions.*

Your grade will be determined as follows:

Grade	Percentage
A	90 - 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	below 59%

**Mid-term progress report:** The mid-term grade in this course will be issued by June 21. 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 June 23. [Instructions for withdrawing are provided at this link.](#)

**The last day to withdraw without academic accountability is Wednesday, June 23, 2021.**

---

## COURSE SCHEDULE

The course schedule is provided in the table below. Links for suggested reading, learning objectives, practice problems, and supplementary material will be posted in D2L. The instructor reserves the right to modify the course schedule. If such a need arises, it will be communicated to the class. Please see the detailed course schedule in D2L for further details.

UNIT	CHAPTERS/TOPICS	DUE DATE (5pm)
	<b>Introduction</b>	June 1 <sup>st</sup>
1	Unit 1: Chemistry, Matter, and Measurements	June 1 <sup>st</sup>
2	Unit 2: Elements, Atoms, and the Periodic Table	June 7 <sup>th</sup>
<b>1 &amp; 2</b>	<b>Exam 1</b>	<b>June 8<sup>th</sup></b>
3	Unit 3: Ionic Bonding and Simple Ionic Compounds	June 14 <sup>th</sup>
4	Unit 4: Bonding and Molecular Geometry	June 18 <sup>th</sup>
	<b>Last day to withdraw without academic accountability</b>	<b>June 23<sup>rd</sup></b>

5	Unit 5: Introduction to Chemical Reactions	June 24 <sup>th</sup>
<b>3-5</b>	<b>Exam 2</b>	<b>June 25<sup>th</sup></b>
6	Unit 6: Quantities in Chemical Reactions	July 1 <sup>st</sup>
8	Unit 8: Solids, Liquids, and Gases	July 7 <sup>th</sup>
9	Unit 9: Solutions	July 12 <sup>th</sup>
<b>6 , 8, 9</b>	<b>Exam 3</b>	<b>July 13<sup>th</sup></b>
10	Unit 10: Acids and Bases	July 19 <sup>th</sup>
11	Unit 11: Nuclear Chemistry	July 22 <sup>nd</sup>
<b>10, 11</b>	<b>Exam 4</b>	<b>July 23<sup>rd</sup></b>
<b>1-6, 8-11</b>	<b>Final Exam</b>	<b>July 26<sup>th</sup></b>

## COURSE POLICIES

### General Policy

Students must abide by policies in the Clayton State University [Student Handbook](#), and the [Basic Student Responsibilities](#), including the [Code of Conduct](#).

### 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.

### Course Attendance Policy

This class is a cooperative process for which attendance and participation will be essential. "Attendance", engagement, and presence are required throughout the semester. Lack of participation is considered an absence, and excessive absences and/or extended periods of inactivity (equivalent to more than 20% of the possible course meetings) are sufficient cause for institutional withdrawal from the OLC or failing grades.

### No Show Policy

It is imperative that students have a successful start of each semester by attending class during the first week and no later than the second week of the semester. A registered

student who does not attend at least one (1) class session by **12 pm June 1** will be reported a “no show.” The consequences of being reported as a no show are significant: the student will be dropped from the class and may suffer significant financial hardship.

In order for students enrolled in this course to avoid being a “no show”, the completion of an assignment will be required before the no show reporting period has ended. Simply logging into this course in D2L will NOT be considered online attendance. Your instructor will provide details on the online attendance assignment.

#### Missed/Late Work

*Exams and Quizzes:* There will be four online exams and 10 online quizzes. **Make-up exams or quizzes will not be given.** A missed examination, either excused or unexcused, will result in an increase in the percentage of the final exam. Only one exam can be missed during the semester. A missed final exam will result in a zero for the final exam unless prior arrangements have been made with the instructor. See the schedule for the completion due dates for the chapter quizzes and exams.

*Assignments:* Online learning assignments will be assigned via Chem 101. It is your responsibility to complete the online assignments on time. Grades will be recorded to the gradebook at the due date.

#### 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.

Specific forms of cheating on exams include, but are not limited to, copying, using supplementary material not allowed (see exam policies below), submitting another’s work as your own (including using third parties to obtain answers to homework, quizzes, or exams).

#### 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](#).

### Covid-19 Health and Safety Protocols

Clayton State University is committed to providing and promoting a healthy and safe learning environment, in compliance with Executive Orders and directives from the Governor's office, and reflecting guidance from the Georgia Department of Public Health (GDPH) and the Centers for Disease Control and Prevention (CDC) recommendations. All students, faculty, and staff are expected to comply with all social distancing mitigation measures, practices, guidelines and policies, including the wearing of face coverings in classrooms and academic buildings. Anyone not using a face covering when required will be asked to wear one or must leave the area. The enforcement of these policies, practices, and guidelines will require the effort of all campus community members. Repeated refusal to comply with these policies, practices, and guidelines by students may result in disciplinary actions up to and including suspension, as described in the University's [Academic Catalog and Student Handbook](#) and [Code of Conduct](#).

### 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>

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

*Last update: 24 May 2021*