



Chemistry II (CLEP) Syllabus

Instructor: Mr. Andrew Johnson

ILL-B (2023), M.A.T (2020), B.S. Chemistry (2017)

Freed-Hardeman University

andrew.johnson@chestercountyschools.org

School Phone: 989-8125

Room # S9

Course Description

Chemistry II is a unique course. Not only will you receive high school science credit, but you also have the opportunity to earn college General Chemistry I and II credits via the CLEP exam (provided for free). Because of its dual-credit nature, this course requires consistent dedication and persistence. Weekly homework and studying are integral to acquire sufficient scientific knowledge. Problem-solving, critical thinking, applied laboratory techniques, and applied learning are all important aspects of the course.

Teacher's Introduction

I am elated to teach this course. As an undergraduate from FHU, I taught supplemental instruction general chemistry I & II classes. This gave me insight to what students need to know to be successful at the college level. The ability to earn college chemistry credits in high school is unique; yet you will need to maintain a positive attitude, healthy work ethic, and strong collaboration with other peers. Ultimately, my goal is not only for you to pass the CLEP, but also to obtain a deep appreciation and passion for chemistry while being prepared for the rigorous academic challenges brought by college.

Course Outline

Instruction: Each class period will begin with a great start (mandatory template provided) that reviews the previous day's concept. Topics build in this course, so constant review is integral. During lecture, students are encouraged to ask questions, take notes (mandatory template provided) and interact. Lab demonstrations will often be utilized, and some days will be designated lab days. Lecture will consist of explanation of concepts with heavy emphasis on worked example problems and student interaction. Each class ends with a Big Finish. All of my

Chemistry II (CLEP) Syllabus

lecture notes will be posted at the end of each class at the appropriate location on Google Classroom for you to supplement your Cornell notes.

Khan Academy: This year, we will integrate the Khan Academy AP Chemistry course into this one. It will NOT replace traditional teacher-to-student instruction – only supplement it. After we finish a lesson in class, students will be given a short yet appropriate amount of time to watch a reinforcing video and answer concept questions. Cornell notes will be taken over each video and concept question. Correct answers (and why) must also be written down. We will review these as a class before the period ends.

Homework: Unlike Chemistry I, where you had weekly homework, Chemistry II will utilize homework on an as needed basis. Our integration with Khan Academy will occasionally require you to play catch-up, whether it be on module videos or practice questions. Be sure you are meeting all deadlines provided in class and this document! *On the occasion I assign homework, it will be fewer than 5 questions and posted on Google Classroom.*

Quizzes: Quizzes in this class will come from the Khan Academy platform and will be taken as we get to them. I will announce them at least two (2) days in advance. You may use your notes.

Exams: Exams in this class will come from the Khan Academy platform and will be taken as we get to them. I will announce them at least three (3) days in advance. You may use your notes. Likewise, I will provide my own assessments as necessary with questions coming from CLEP review guides to ensure proper coverage of all topics.

Chemistry II (CLEP) Syllabus

Notebook: Students will be required to keep a notebook with their A) Great Start Templates and B) Cornell notes from class as well as Khan Academy. These must be kept in order by unit and are critical in studying for the final CLEP exam in May 2026. It is not as in-depth as chem I.

Google Classroom: Google Classroom will be utilized regularly. Every college has an online learning platform where professors post assignments, useful information, and resources. This is the platform I use as you have easy access to it via the app. You are required to check it daily. Missing an assignment due to negligence in checking this platform will result in a zero (0) being assigned with **no grace period**. **Do not turn off notifications.**

Modern States / CLEP Exam: Students are required to complete the Modern States program to pass the second semester of the course. Essentially, completion allows for the CLEP exam to be taken at no cost. Completing the course, receiving the voucher, and signing up for the CLEP will take approximately one-two weeks. **Everyone must finish this and take the CLEP test to pass.**

If you are an early grad, you are still required to complete Modern States & take the CLEP exam before the semester ends in December.

<https://modernstates.org/course/chemistry/>

Grading Policy

The composition of your grade for each marking period will be calculated as follows:

Unit Exams & Semester Notebook: 25%

Quizzes: 25%

Labs/Projects/Daily Work: 25%

CLEP Practice Sets: 25%

A: 90 - 100%

B: 80 - 89 %

C: 70 - 79%

D: 60 - 69%

F: Below 60%

Chemistry II (CLEP) Syllabus

- Labs cannot be made up; if missed, expect an alternative assignment
- Refusal to work/pay attention will result in dismissal from the course
- ***In order to participate in labs, you must fill out the lab safety agreement**

Use of Technology/Artificial Intelligence

Technology in the classroom is unavoidable. I encourage you to use it! However, using it to simply obtain answers and not learn “why” is not only unacceptable, but also harmful to your academic experience. Using technology to explain things from different perspectives, watching supplemental videos, checking answers, or gaining extra practice is excellent! Here is a list of websites I encourage you to use in class:

- Gauth
- [https://chem.libretexts.org/Bookshelves/General_Chemistry/Chemistry -
Atoms First 2e \(OpenStax\)](https://chem.libretexts.org/Bookshelves/General_Chemistry/Chemistry_-_Atoms_First_2e_(OpenStax))
- <https://www.acs.org/education/resources/highschool.html>

However, no cell phones will be utilized in class. You may only use your assigned Chromebook and a calculator. Go Guardian will always be on.

Absent From School

If you are absent, it is your responsibility to complete homework and in-class assignments. Check the syllabus and Google Classroom for guidance. Choosing not to work will result in failing the assignment and possible dismissal from the course. ***Missing school to many days results in an impossibility of passing the class! This is a college class, so missing due to random, non-school related functions is absolutely unacceptable. Do not use the “11:30 rule!”***

Chemistry II (CLEP) Syllabus

Class Supplies

Pencils

Minimum 2-inch binder

Black or blue pens

College ruled paper

Highlighters (recommended)

Classroom Rules & Procedures

Rules

1. Class begins the moment you walk in the door
2. Do not start packing up or leaving your seat until the bell rings
3. No cell phones or Air Pods may be out at any time for any reason
4. No food or drink (unless bottled water) allowed in the lab for safety purposes

5. Do what is right

Procedures

1. I will close the door when the bell rings - being tardy requires an admit slip
2. Transitions between desks and lab stations must be completed in one minute
3. All safety equipment must be put on during the one-minute transition period on lab days
4. While in groups each member must fulfill their given role and stay in the group---*no roaming*

Consequences

1st offense: Written or verbal warning / Points off / Parental contact

2nd offense: Office referral / Possible dismissal from course

Cheating

Immediate zero (0) on assignment and parental contact. Possible dismissal from course.

Chemistry II (CLEP) Syllabus

Cell Phone Policy

Students are ***not*** to have their cell phones or other devices out for any reason. CCHS has a standard policy for phone confiscation. **Your phone will be sent to the office if out after the first day of class. No exceptions.**

Dress Code

See Google Classroom, CCHS Policies. Dress code violations result in the student either going to the office or correcting the violation immediately.

One final note: This course requires dedication, hard-work, and time spent outside of class. *Do not* give up or hesitate to ask me for help. That is my job. The sense of satisfaction you will acquire upon completion of the course will be well worth the blood, sweat, and tears you expend during the year.

Yes, this class can be difficult. However, it is not meant to be dropped after Christmas. If you commit to take the course, you commit to finishing it. Giving up or not trying in a college class is not an option!

Remember..... “When we try to pick out anything by itself, we find it is tied to everything else in the universe.” John Muir (1838-1914)

Also Remember... “You matter and have a purpose in this world.”

Mr. Johnson (1995-)

Chemistry II (CLEP) Syllabus

Course Schedule

Date	Unit Covered	Date	Unit Covered
Mon. Aug 4 – Fri. Aug 8	Syllabus, Unit 1	Mon. Mar. 30 – R. Apr. 2	Modern States
Mon. Aug 11 – Fri. Aug.15	Unit 1	Mon. Apr. 6 – Fri. Apr. 10	Modern States
Mon. Aug. 18 – Fri. Aug. 22	Unit 1	Mon. Apr. 13 – Fri. Apr. 17	Modern States
Mon. Aug. 25 – Fri. Aug. 29	Unit 2	Mon. Apr. 20 – Fri. Apr. 24	CLEP Practice
		Mon. Apr. 27 – Fri. May 1	CLEP Practice
		Mon. May 4 – Fri. May 8	CLEP Practice
		<p><u>CLEP Exam must be taken no later than Friday, May 15th. We will have designated days to take it on Friday, May 8th and Monday, May 11th. Keep one of those days OPEN!</u></p>	
		<p><u>Missing class means you MUST check Google Classroom/KA to make up work. This is a college course – come to class, do your best, and be mature.</u></p>	
Tue. Sep. 2 – Fri. Sep. 5	Unit 2		
Mon. Sep.8– Fri. Sep. 12	Unit 2		
Mon. Sep. 15 – Fri. Sep. 19	Unit 3		
Mon. Sep.22 – Fri. Sep.26	Unit 3		
Mon. Sep. 29 – Fri. Oct. 3	Unit 3		
Mon. Oct. 6 – Fri. Oct. 10	CLEP REVIEW		
Tue. Oct. 21 – Fri. Oct. 24	Unit 4		
Mon. Oct. 27 – Fri. Oct. 31	Unit 4		
Mon. Nov. 3 – Fri. Nov. 7	Unit 4		
Mon. Nov. 10 – Fri. Nov. 14	Unit 5		
Mon. Nov. 17 – Fri. Nov. 21	Unit 5		
Mon. Dec.1 – Fri. Dec. 5	Units 5,6		
Mon. Dec. 8 – Fri. Dec. 12	Unit 6		
Mon. Dec. 15 – R. Dec 18	Unit 6, CLEP REVIEW		
Tue. Jan. 6 – Fri. Jan. 9	Unit 7		
Mon. Jan. 12 – Fri. Jan. 16	Unit 7		
Tue. Jan 20 – Fri. Jan.23	Units 7-8		
Mon. Jan. 26 – Fri. Jan. 30	Unit 8		
Mon. Feb. 2 – Fri. Feb. 6	Unit 8		
Mon. Feb. 9. – Fri. Feb. 13	Unit 9		
Tue. Feb. 17 – Fri. Feb. 20	Unit 9		
Mon. Feb. 23 – Fri. Feb. 27	Unit 9		
Mon. Mar. 2 – Fri. Mar. 6	Unit 10		
Mon. Mar. 9 – Fri. Mar. 13	Unit 11		
Mon. Mar. 16 – Tue. Mar. 19	Modern States		