



## Chemistry II (CLEP) Syllabus

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

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### 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 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 that reviews the previous day's concept. It is normally a question but could be some type of mini assessment. Topics build in this course, so constant review is integral. During lecture, students are encouraged to ask questions, take notes, and interact. You will be given a copy of my notes and will not be required to use the Cornell format. I expect you to annotate the notes I supply to you. You will also have a "lesson map" that will require brief daily interaction. Lab demonstrations will often

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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.

Lesson Map: Each day, I will present 1-2 “mini lessons” to you. They are brief and typed on one/two pages. Instead of taking notes, you will fill out a “lesson map” on a daily basis. The night before each lesson, I expect you to fill out part A and “What I Think This Lesson Is About” in part B of the supplied document. You will finish the handout at the end of each lesson during class.

Homework: Weekly homework is provided on Google Classroom (but will likely be printed for you). Homework will be assigned on Mondays and due one week later (the next Monday). **All work must be shown. Simply providing final answers earn zero credit (even if the answers are given to check your work)!** I will either instruct you to turn your homework in electronically (there is a place on Google Classroom to do that) or in-person.

Quizzes: Chemistry I style “Friday quizzes” may be given the last 10-15 minutes of class each Friday. These will keep you refreshed for each unit exam and keep you on your toes. ***Also, be aware that I may give a pop quiz if most of the class appears to not be paying attention.***

Exams: Exams will serve as a measure of where students need supplemental review before their CLEP exam in May. Expect a test after 1-2 units in the course. Many questions will come from the CLEP practice guide. **You may use your notes.**

Notebook: Students will be required to keep their class notes (that I print and students annotate), Lesson Maps, and any other supplemental handouts **in order** in a 3-ring binder.

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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.**

**<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%**

**Weekly Homework Checks: 25%**

**Friday Quizzes: 25%**

**Labs/Projects/Daily Work: 25%**

A: 90 - 100%    B: 80 - 89 %    C: 70 - 79%    D: 60 - 69%    F: Below 60%

- Late homework will result in a *20-point drop daily*. This is merciful compared to college!
- 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**

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Exam/Quiz Re-take Policy: No grades will be replaced.

### Extra Credit

Students may earn ten (10) points on a Friday exam by reading a supplied science book (provided by our CCHS literacy initiative) and writing a 2-page summary. Summaries must be thorough and well-thought out in order to earn the points. Magazine articles will require a 3-page summary with some extra research on the topic. You may read as many of these as you would like.

### Absent From School

If you are absent, it is your responsibility to still complete homework and in-class assignments. Check the syllabus and Google Classroom for guidance. **Choosing not to work during will result in failing the assignment and possible dismissal from the course.** ***Missing school too 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. Seniors, remember there is no such thing as "senior skip day!"***

### Early Graduates

For students interested in graduating early, I have decided to teach the new material during the first semester. That means you will be required to complete Modern States and take the CLEP exam before Christmas in order to pass the semester. You have a great chance of passing CLEP!

### Online Textbook

*Chemistry, Atoms First*, 2e, OpenStax. This book is free OpenCourseWare, available for download as a .PDF, and readable on any electronic device. Check Google Classroom for the link as well as download. **(Not required, just a free, quality source!)**

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## Needed Classroom Supplies – Have by 2<sup>nd</sup> Week of Class!

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

- 1<sup>st</sup> offense: Written or verbal warning / Points off / Parental contact
- 2<sup>nd</sup> offense: Office referral / Possible dismissal from course

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### Cheating

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

### 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. You are in a college class. Follow the rules!

Digital Textbook Link: <https://openstax.org/details/books/chemistry-atoms-first-2e>

**Parents – please DO NOT unsubscribe from Remind! This is how I will contact you.**

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. Dropping the class at Christmas is NOT an option (unless you graduate early). Early graduates, you deserve it! I am proud of you.

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)