



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 to serve as a review of the previous day's class. You will be given a template to complete the great starts per unit. Topics build in this course, so constant review is integral. During lecture, students are encouraged to ask questions 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.

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Homework: Weekly homework is provided on Google Classroom and problems are specified on the syllabus. 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)! Instead of hand-grading all homework, your grade will result from a “homework check test” given as your Monday great start. Problems will be randomly selected from homework and graded for completeness and understanding. If you do not turn in your homework sheet, you will receive a zero (0) on your homework check test regardless.***

Quizzes: Chemistry I style “Friday quizzes” will 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.

Notebook: Students will keep their filled-out notes and great start logs in order (template provided) in a three-ring binder. No other class handouts will be required. Notes must be perfect and with summaries.

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.***

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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: 30%

Weekly Homework Checks: 30%

Friday Quizzes: 30%

Labs/Projects/Daily Work: 10%

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**

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

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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 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.***

Optional 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. Print copies are available for \$65 if you choose to purchase a hard copy **(not required)**.

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Course Schedule

Date	Unit Covered	Date	Unit Covered
Wed. Aug 2 – Fri. Aug. 4	Syllabus, Practice CLEP	Tue. Apr. 2 – Fri. Apr. 5	Unit 14
Mon. Aug. 7 – Fri. Aug. 11	Units 1-2	Mon. Apr. 8 – Fri. Apr. 12	CLEP Practice
Mon. Aug. 14 – Fri. Aug. 18	Unit 2	Mon. Apr. 15 – Fri. Apr. 19	CLEP Practice
Mon. Aug. 21 – Fri. Aug. 25	Unit 3	Mon. Apr. 22 – Fri. Apr. 26	CLEP Practice
		Mon. Apr. 29 – Fri. May 3	CLEP Test
Mon. Aug. 28 – Fri. Sep. 1	Unit 3	<i>CLEP Exam must be taken before graduation (May 13)</i>	
Tue. Sep. 5 – Fri. Sep. 8	Unit 4	<i>Tentative Exam Dates: Friday, August 18th; Friday, September 1st; Wednesday, October 4th; Friday, October 27th; Thursday, November 16th; Thursday, December 14th; Friday, February 2nd; Friday, March 8th; Friday, April 5th</i>	
Mon. Sep. 11 – Fri. Sep. 15	Unit 4		
Mon. Sep. 18 – Fri. Sep. 22	Units 4-5		
Mon. Sep. 25 – Fri. Sep. 29	Unit 5		
Mon. Oct. 2 – R. Oct. 5	Units 5-6		
Tue. Oct. 17 – Fri. Oct. 20	Unit 6		
Mon. Oct. 23 – Fri. Oct. 27	Unit 6		
Mon. Oct. 30 – Mon. Nov. 3	Unit 7		
Mon. Nov. 6 – Fri. Nov. 10	Unit 7		
Mon. Nov. 13 – Fri. Nov. 17	Unit 7 / Review		
Mon. Nov. 27 – Fri. Dec. 1	Unit 8	<i>Missing class means you MUST check Google Classroom to make up work. This is a college course – come to class, do your best, and be mature.</i>	
Mon. Dec. 4 – Fri. Dec. 8	Unit 8		
Mon. Dec. 11 – Fri. Dec. 15	Unit 8		
Wed. Jan. 3 – Fri. Jan. 5	Modern States		
Mon. Jan. 8 – Fri. Jan. 12	CLEP Practice/Vouchers		
Tue. Jan 16 – Fri. Jan.19	Unit 9		
Mon. Jan. 22 – Fri. Jan. 26	Unit 9		
Mon. Jan. 29 – Fri. Jan. 2	Units 9-10		
Mon. Feb. 5. – Fri. Feb. 9	Unit 10		
Mon. Feb. 12 – R. Feb. 15	Unit 10		
Tue. Feb. 20 – Fri. Feb. 23	Unit 11		
Mon. Feb. 26 – Fri. Mar. 1	Unit 11		
Mon. Mar. 4 – Fri. Mar. 8	Unit 12		
Mon. Mar. 11 – Fri. Mar. 15	Unit 12		
Mon. Mar. 18 – Fri. Mar. 22	Unit 13		

Tentative Monday Homework Dates From Online Notes: () = pdf page. SHOW WORK. Answers there for you to learn! You will be given a homework check test each week.

Aug 7th (35); Aug 14 (172); Aug 28 (283); Sep 5 (290); Sep 11 (407, 422 [1-5]); Sep 18 (412, 460); Oct 2 (142-143, 147); Oct 23 (239, 240, 241); Oct 30 (provided); Nov 6 (248, 269, 310 [Odd]); Nov 13 (339, more Provided); Dec 4 (479, 504); Dec 11 (509, more provided)

Jan 22 (427); Jan 29 (437, 119); Feb 5 (344); Feb 12 (525-526); Feb 20 (529); Feb 26 (536); Mar 4 (542-543); Mar 18 (Provided); Apr 8 (Provided)

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Needed Classroom Supplies – Have by 2nd 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

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

2nd 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.

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.

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)