

# Course Syllabus

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## CHM1032: Chemistry for Health-Related Fields (Spring C 2023, section 70, 3 credits)

### [Course Schedule](#)

**Instructor:** Ken B. Capps, Ph.D.

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**Email:** [cappsk@cf.edu](mailto:cappsk@cf.edu) (<mailto:cappsk@cf.edu>)

**Office Hours:** MW (7:30-9:30 a.m. on-campus), M (4:00-6:00 p.m. online) W (2:00-4:00 p.m. online), TH (9:30-11:30 a.m. online)

### Course Description

This is a basic, one-term course in chemistry for students aiming for careers in the professional health care fields. It introduces students to the basic concepts and principles of inorganic, organic and biological chemistry and their application to health care situations.

### Objectives

This course is an introduction to chemistry for students in health-related technology programs. It is intended to improve the students understanding of chemistry in those areas related to other course-work or practice in health technology programs. Students who need to prepare for additional chemistry course-work or need more understanding of atomic structure, chemical reactions, inorganic chemistry or stoichiometry should take CHM1025 or CHM2045.

### Textbook

There is no textbook for this course. Readings will be assigned on Canvas.

### Prerequisite

MAT1033 or MAC1105

## Calculator

A simple, scientific calculator with capabilities for square roots, logs, and exponential operations is required. This calculator will be used on tests, quizzes and homework assignments.

## Tests & Quizzes

There will be five tests and five quizzes during the semester. The lowest test and quiz grade will be dropped. There is 1 attempt for each quiz and test. Test and quiz dates are listed on Canvas and all assessments will be completed online through Canvas. All tests/quizzes must be completed on the assigned day and time. NO EXCEPTIONS!

## Homework Activities

There will also be a number of online homework activities on Canvas. Students have two attempts with each HW activity, with the highest grade entered in the gradebook. The lowest homework activity grade will be dropped. All due dates are listed on Canvas. Late homework activities will NOT be accepted for any reason. If you are unable to complete a HW assignment for any reason, that will count as your dropped grade.

## Discussion Forums

There are a total of six required discussion questions throughout the course. Discussion forums contribute to a deeper understanding of key concepts and allow you to interact with your classmates and the instructor. Initial posts are due by Thursday of each week with student replies by Saturday of each week. To earn full credit: you will need to post a response, respond to the original posts of at least two other students, and then contribute to an ongoing discussion. Late discussion posts are not accepted! Discussion forum guidelines include:

- Respect each other's ideas, feelings, and experience. Expect your classmates to have different opinions.
- Use proper writing style. Correct spelling and sentence structure are expected just as if you were writing a regular paper. Use spell check and grammar check before you submit.
- When responding to a classmate, address them by name.
- Do not use postings such as "I agree," "I don't know either," or "ditto." They do not add to the discussion, take up space on the Discussions, and will not be counted.

## Practice Problems

In order to obtain required proficiency, students should work at a minimum all assigned practice problems in each chapter covered. Assigned practice problems are listed on Canvas. Since the answers to these questions are provided in the back of the textbook, credit will not be given for practice problems.

## Grading Criteria

Overall grades will be calculated as follows:

Tests-50%

Homework Activities-20%

Discussion Forums-15%

Quizzes-15%

## Grading Scale

Grades will NOT be rounded up. For example, an 89.9 is a B+ and an 86.8 is a B. There is no extra credit for the course!

- A: 100-90.0%
- B+: 89.9-87.0
- B: 86.9-80.0
- C+: 79.9-77.0
- C: 76.9-70.0
- D: 69.9-60.0
- F: below 60.0

## Disputing Your Grade

If you feel that an error was made in grading an assignment, test, etc., you have one week from the time the grade was posted electronically on Canvas to dispute your grade. After one week, all grades are final and no changes will be made!

## Withdraw

If you want to withdraw from this class, you must fill out the necessary forms and have them signed by the appropriate parties. If you just "stop coming to class" after the posted drop date, you may receive the grade of "F."

- Last day to add classes: January 11

- Last day to drop classes: January 13
- Last day to withdraw with a "W": March 31

The college reserves the right to evaluate individual cases of non-attendance. Please see the College's withdrawal procedures. Students should be alerted to the fact that:

1. withdrawals do not count in the CF G.P.A, but may not be viewed favorably at the university level or for financial aid;
2. a withdrawal counts as an attempt under the forgiveness/withdrawal policy and the course repeat policy;
3. there are increased costs to take the course on the third attempt.
4. there may be a reason a withdrawal request may be denied.

## **Privacy Rights**

The college adheres to all federal and state laws and rules pertaining to the privacy rights of students. Grades will not be posted nor will a student's grades be discussed with anyone other than the student, unless directed to do so by a college official or administrator or if given written permission by the student. Due to recent privacy laws, I cannot give out grade information over the telephone.

## **Incomplete**


Incomplete will be given only when a student, who has been successfully completing the class, has an unavoidable emergency that is beyond the student's control at the end of a semester that prevents that student from completing the course.

## **Academic Integrity**

Cheating and/or plagiarism will not be tolerated and may result in an "FF" for the course as well as disciplinary action under the Code of Student Conduct. A student will be referred to an Academic Integrity Seminar. There will be a charge for this two-hour seminar, and attendance is required (see Student Handbook). Failure to attend the Academic Seminar may result in the assignment of a final course grade of "FF," denoting course failure due to a violation of the college's Academic Integrity policy.

## **Access Services for Students with Disabilities**

To ensure students have equal access to educational opportunities here at the College of Central Florida, students with a disability, serious medical condition, a learning or psychological disorder are encouraged to register with the Office of Access Services and request accommodations. If eligible, Access Services will help facilitate you receiving approved accommodations. *Please do this as soon as possible, to ensure*

*that such accommodations are implemented in a timely fashion for your academic success.* The Office of Access Services is located in Building 5, the Bryant Student Union-204, on the Ocala Campus. For more information visit the Access Services webpage at [www.cf.edu/go/assistance/disability/index](http://www.cf.edu/go/assistance/disability/index)  (<http://www.cf.edu/go/assistance/disability/index>), or email [access@cf.edu](mailto:access@cf.edu) (<mailto:access@cf.edu>) or call 352-854-2322, ext. 1209 for further information.

## **Equal Access/Equal Opportunity**

College of Central Florida does not discriminate against any person on the basis of race, color, ethnicity, religion, gender, age, marital status, national origin, genetic information or disability status in its programs, activities and employment. For inquiries regarding nondiscrimination policies contact Carol W. Smith, Equity Officer, 3001 S.W. College Road, 352-854-2322, ext. 1437 or [smithc@cf.edu](mailto:smithc@cf.edu) (<mailto:smithc@cf.edu>).

## **CF Student Assistance Program**

The CF Student Assistance Program (SAP) is a confidential resource for assisting students who may have personal problems which could affect their school, work, or home lives. SAP provides early intervention and professional assessment and counseling to best meet the needs of the student. Services are free to all active CF students. The SAP is managed by BAY CARE LIFE MANAGEMENT, a health management organization. A student may call a toll free helpline during regular business hours Monday through Friday from 8:30 a.m. - 5:00 p.m. For crisis situations after hours, on weekends, or holidays a student may call the same number and the therapist on duty will be paged and will promptly respond to the call. For services a student may call the following toll free number: 1-800-878-5470.

## **Developmental Education Courses**

Florida law requires that students enrolling in the same developmental education course more than twice pay 100% of the full cost of instruction. Students registered in developmental education courses who receive N grades must repeat the same course and complete it with a grade of C or better before they can register for other courses that require the successful completion of the developmental course as a requirement.

## **Extended Emergency Closure**

For emergency campus closing (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our website [www.cf.edu](http://www.cf.edu).

## Internet Access




All assignments and assessments must be taken/completed on Canvas during the posted time frame (no exceptions). Once you begin a quiz/exam, the allotted time for the exam will begin. You will not be permitted to "save" your progress to resume later. This means that you should not begin/start these assessments until you are prepared to complete the entire quiz or exam. All course materials will be available on Canvas, and it is the student's responsibility to ensure sufficient internet access to obtain the course materials and complete course assignments. Lack of internet access and/or individual computer problems WILL NOT be considered valid excuses. Late assignments will NOT be accepted. Keep this in mind and plan ahead. Internet connections can go out at the last minute and this will NOT be a valid excuse for missed assignments and/or assessments.











## Right to Change Syllabus

If necessary, some components of this syllabus (such as test dates, chapters/topics covered, etc.) may change; however, any such changes will be announced and/or posted on Canvas. The student is responsible for any such announced changes.

Schedule



## Course Summary:

Date	Details	Due
	 <a href="#">M1. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347989">https://cf.instructure.com/courses/1795014/assignments/13347989</a>	
Sat Jan 14, 2023	 <a href="#">M1. Introduction Discussion Forum</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348033">https://cf.instructure.com/courses/1795014/assignments/13348033</a>	
	 <a href="#">M1. Quiz</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348009">https://cf.instructure.com/courses/1795014/assignments/13348009</a>	

Date	Details	Due
Sat Jan 21, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348021">M2. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348021">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348021">https://cf.instructure.com/courses/1795014/assignments/13348021</a>)</a>	due by 11:59pm
Sat Jan 21, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348007">M3. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348007">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348007">https://cf.instructure.com/courses/1795014/assignments/13348007</a>)</a>	due by 11:59pm
Sat Jan 21, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348031">M3. Test 1 Discussion Forum</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348031">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348031">https://cf.instructure.com/courses/1795014/assignments/13348031</a>)</a>	due by 11:59pm
Sat Jan 28, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347985">M4. Test 1</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13347985">(<a href="https://cf.instructure.com/courses/1795014/assignments/13347985">https://cf.instructure.com/courses/1795014/assignments/13347985</a>)</a>	due by 11:59pm
Sat Feb 4, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348015">M5. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348015">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348015">https://cf.instructure.com/courses/1795014/assignments/13348015</a>)</a>	due by 11:59pm
Sat Feb 4, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348019">M6. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348019">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348019">https://cf.instructure.com/courses/1795014/assignments/13348019</a>)</a>	due by 11:59pm
Sat Feb 11, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347991">M7. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13347991">(<a href="https://cf.instructure.com/courses/1795014/assignments/13347991">https://cf.instructure.com/courses/1795014/assignments/13347991</a>)</a>	due by 11:59pm
Sat Feb 11, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348005">M7. Quiz</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348005">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348005">https://cf.instructure.com/courses/1795014/assignments/13348005</a>)</a>	due by 11:59pm
Sat Feb 18, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348001">M8. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348001">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348001">https://cf.instructure.com/courses/1795014/assignments/13348001</a>)</a>	due by 11:59pm
Sat Feb 18, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348029">M8. Test 2 Discussion Forum</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348029">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348029">https://cf.instructure.com/courses/1795014/assignments/13348029</a>)</a>	due by 11:59pm
Sat Feb 25, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347995">M9. Test 2</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13347995">(<a href="https://cf.instructure.com/courses/1795014/assignments/13347995">https://cf.instructure.com/courses/1795014/assignments/13347995</a>)</a>	due by 11:59pm
Sat Mar 4, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347977">M10. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13347977">(<a href="https://cf.instructure.com/courses/1795014/assignments/13347977">https://cf.instructure.com/courses/1795014/assignments/13347977</a>)</a>	due by 11:59pm
Sat Mar 4, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348003">M10. Quiz</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13348003">(<a href="https://cf.instructure.com/courses/1795014/assignments/13348003">https://cf.instructure.com/courses/1795014/assignments/13348003</a>)</a>	due by 11:59pm
Sat Mar 4, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347975">M11. HW</a> <a href="https://cf.instructure.com/courses/1795014/assignments/13347975">(<a href="https://cf.instructure.com/courses/1795014/assignments/13347975">https://cf.instructure.com/courses/1795014/assignments/13347975</a>)</a>	due by 11:59pm

Date	Details	Due
Sat Mar 11, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347981">M12. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347981">(https://cf.instructure.com/courses/1795014/assignments/13347981)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348027">M12. Test 3 Discussion Forum</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348027">(https://cf.instructure.com/courses/1795014/assignments/13348027)</a>	
Sat Mar 25, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347999">M13. Test 3</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347999">(https://cf.instructure.com/courses/1795014/assignments/13347999)</a>	
Sat Apr 1, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347979">M14. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347979">(https://cf.instructure.com/courses/1795014/assignments/13347979)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348013">M15. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348013">(https://cf.instructure.com/courses/1795014/assignments/13348013)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347983">M15. Quiz</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347983">(https://cf.instructure.com/courses/1795014/assignments/13347983)</a>	
Sat Apr 8, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347997">M16. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347997">(https://cf.instructure.com/courses/1795014/assignments/13347997)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348025">M16. Test 4 Discussion Forum</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348025">(https://cf.instructure.com/courses/1795014/assignments/13348025)</a>	
Sat Apr 15, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347987">M17. Test 4</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347987">(https://cf.instructure.com/courses/1795014/assignments/13347987)</a>	
Sat Apr 22, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347993">M18. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347993">(https://cf.instructure.com/courses/1795014/assignments/13347993)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348011">M18. Quiz</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13348011">(https://cf.instructure.com/courses/1795014/assignments/13348011)</a>	
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13347973">M19. HW</a>	due by 11:59pm
	<a href="https://cf.instructure.com/courses/1795014/assignments/13347973">(https://cf.instructure.com/courses/1795014/assignments/13347973)</a>	



Date	Details	Due
Sat Apr 29, 2023	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348023">M20. Test 5 Discussion Forum</a> ( <a href="https://cf.instructure.com/courses/1795014/assignments/13348023">https://cf.instructure.com/courses/1795014/assignments/13348023</a> )	due by 11:59pm
	 <a href="https://cf.instructure.com/courses/1795014/assignments/13348017">M21. Test 5</a> ( <a href="https://cf.instructure.com/courses/1795014/assignments/13348017">https://cf.instructure.com/courses/1795014/assignments/13348017</a> )	due by 11:59pm