

CHM2045
GENERAL CHEMISTRY I
Fall 2022

I. Course Information

Course Title:	General Chemistry I	Course No.	CHM2045(40)
Credit Hours:	3	Instructor Name:	Pete Nicely
Course Location:	Building 3 Room 107(Citrus) & Zoom	Meeting Dates:	Tue: 12:30 p.m.-1:45 p.m.
Office Location:	Building 3 Room 208E (Citrus Campus) Building 2 Room 217A (Ocala Campus)	Office Hours:	Tue: 8:00 a.m.-11:00 a.m. (Citrus and Skype) Thu: 2:00 a.m.-5:00 p.m. (Skype) Fri: 2:00 a.m.-5:00 p.m. (Ocala and Skype)
Telephone No.:	X6202	E-mail:	nicelyp@cf.edu

Extended Emergency Closure

“For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our website www.CF.edu.”

It is mandatory that each student have a Skype® account. Here is the link to the instructions on how to set it up, if you don't already have one.

<https://login.skype.com/account/signup-form>

Make sure that you contact me via Skype® as soon as you obtain an account. When doing so please give your name and the course numbers. My Skype address is

pete.nicely

There will be a 10 bonus point addition to the first test only for obtaining a Skype account. The purpose of this is to allow for meetings and consultations during office hours.

Also please note that you are more likely to contact me via email through the CANVAS system. I CANNOT guarantee prompt response to an email sent through the regular college email.

II. Course Description

Prerequisite: CHM1025C or equivalent with MAC1105 or higher with a grade of C or better

Course Description: This course may include an expanded review of CHM1025C. The course covers atomic structure, bonding, formulas, nomenclature, reactions, stoichiometry, gas, solid and

liquid states.

Objectives: This is the first semester of the general chemistry sequence offered at all state colleges and universities. The student should develop an understanding of atomic and molecular structure, the periodic table, gases, solutions, chemical reactions and stoichiometry. **It is expected that students will have a background equivalent to CHM1025.**

Textbook: OpenStax Chemistry **ISBN-10 1938168399** (Free and available in CANVAS)

Calculator: A simple, non-programmable, scientific calculator with capabilities for square roots, logarithms and exponential operations is required. This calculator will be used on tests, quizzes, homework assignments and in the laboratory. You are expected to bring your calculator with you each day to lecture.

III. Assessment

Grading: Three (3) exams worth 100 points each will be given at dates given below.

The lowest exam grade will be dropped (absent= 0). There will be assignments given during the course.

All work must be done in ink, no pencils

Tentative Test Dates (Week of): 9/12, 10/17, 11/14

Final Exam: TBA

Exams~50%

Assignment~20%

Final Exam ~ 30%

So, for example, if a student gets an average of 85% for the exams, 82 % for the assignments and 90 % for the Final Exam.

Exam: $0.50 \times 85\% = 42.5\%$

Assignment: $0.20 \times 82\% = 16.4\%$

Final Exam: $0.30 \times 90\% = 27.0\%$

Total % = $42.5\% + 16.4\% + 27.0\% = 85.9\%$

= B

Your grade will be determined by a point system as follows:

A	=	100-90%
B+	=	89-87%
B	=	86-80%
C+	=	79-77%
C	=	76-70%
D	=	69-60%
F	=	Below 60%

A grade of **A** (>90) in this course will imply that the student has mastered the full range of topics

covered in the lectures and can very successfully apply these to solve the problems presented. The student can derive the important factors that lead to the best solution and makes particularly insightful contributions to class discussions.

A grade of **B or B+** (89-80) implies that the student has a thorough understanding of the subject. The student can think things through and makes helpful contributions to class discussions.

A grade of **C or C+** (79-70) indicates that the student understands the subject matter but there are gaps in the scope of understanding. Some topics need more work.

A **D** (69-60) grade implies that the student has only partial knowledge of the subject. The student is unable to make effective use of this knowledge and does not understand what is going on in the classroom.

F (<59) obviously represents a failing grade

A grade of **I** represents an incomplete grade. It is given when a student is unable to complete the required coursework because of verifiable medical reasons or documented catastrophic events beyond the student's control and only with the approval of the dean.

Examinations and Assignments:

Exams will cover material from lectures, and assignments. These exams will be primarily problem solving oriented.

Assignments will be usually posted on the CANVAS system and are due on the date specified. These must be completed by hand and either submitted in person or via CANVAS. **If you decide to submit your assignment in CANVAS please ensure that the assignment is submitted in a pdf file. Also make sure that your name is written on every page. Also make sure that your name is written on every page.**

Course Schedule/Outline

Week of	Chapter
8/15	Syllabus etc.
8/22	Chapter 1 Chemistry Matter and Measurement
8/29	Chapter 2 Atoms, Molecules, and Ions
9/5	Chapter 3 Stoichiometry: Chemical Calculations
9/12	Chapter 4 Chemical Reactions in Aqueous Solutions
9/19	Chapter 5 Gases
9/26	Chapter 5 Gases
10/3	Chapter 6 Thermochemistry
10/10	Chapter 6 Thermochemistry
10/17	Chapter 7 Atomic structure
10/24	Chapter 7 Atomic structure
10/31	Chapter 8 Electron Configurations, Atomic Properties, and the Periodic Table
11/7	Chapter 8 Electron Configurations, Atomic Properties, and the Periodic Table
11/14	Chapter 9 Chemical Bonds
11/21	Chapter 9 Chemical Bonds
11/29	Chapter 10 Bonding Theory and Molecular Structure
	Chapter 10 Bonding Theory and Molecular Structure

Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.

IV. College Policies

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.

Disability Services for Students with Disabilities – If you have a disability, serious medical condition, a learning or psychological disorder and want to request accommodations, it is your responsibility to register with the Accessibility Services and to provide verifiable documentation to them as soon as possible. If eligible, Accessibility Services will provide you with a notification of approved accommodations to give to your instructors at the beginning of the semester. Faculty will comply with the accommodations approved by Accessibility Services. For information visit the Accessibility Services webpage at <https://www.cf.edu/student-life/student-services/accessibility-services/>, Cindy Pfriender, LMHC, Ocala Campus, Bryant Student Union, Room 204F Phone: 352-854-2322, ext. 1580

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.

Classroom Decorum – Disruptive behavior will not be tolerated. Disruptive students will be asked to leave the classroom. Continuous disruptive behavior will result in withdrawal from the course and disciplinary action under the Code of Student Conduct (see Student Handbook).

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 8:30AM-5:00PM. 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.

Withdrawal – 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.

Important Dates:

Aug. 12-13 (Th-F) Faculty Prof. Dev. Days

Aug. 16 (M) Classes begin

Sept. 6 (M) * Labor Day Holiday College closed

Oct. 4 (M) Fall A classes end Grades due 10/7 (Th) by 10am

Oct. 5 (T) Faculty Prof Dev Day (No classes scheduled)

Oct. 11 (M) Fall B classes begin

Oct. 22 (F) Textbook titles to Bookstore For Spring semester

Nov. 11 (Th) * Veteran's Day Holiday College closed

Nov. 24-28 (W-Sun.) Thanksgiving Break College closed

Dec. 2 (Th) Fall B classes end Dec.3-5 (F-Sun) Fall C classes end

Dec. 3-9 (F-Th) Exam Week

Dec. 10 (F) Graduation

Dec. 13 (M) Grades due by 10am

The college reserves the right to evaluate individual cases of non-attendance.

Students should be alerted to the fact that

- (1) withdrawals do not count in the CF GPA, 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. Please see the College's withdrawal procedures.

Evidence of Understanding

Course: CHM2045 General Chemistry I

By signing below, I affirm that I have received, read and understand the information provided in the above syllabus; and the grade which I must achieve to pass the course.

Print Name: _____

Signature: _____

Date: _____

Instructor: _____