

## CHM 1025: Introductory Chemistry

### Spring 2023

#### Course Information

Course Title: Introductory Chemistry                      Course No. and Section: CHM 1025  
Credit Hours: 3    Instructor Name: Judith Dominguez  
Course Location: WPHS 08-039                              Meeting Dates: M-W & Th  
Office Location: WPHS 08-039                              Office Hours: ALPHA Time B  
Telephone No.: 352-291-4000, ext. 56626                E-mail: judith.dominguez@marion.k12.fl.us

#### Extended Emergency Closure

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

#### Course Description

CHM1025 is an introductory chemistry course intended to prepare students for the general chemistry courses 2045-2046. The course includes the study of measurements, historical approach to chemistry, periodic table, chemical stoichiometry, thermodynamics, gas laws, acids, bases, and oxidation/reduction.

#### Required Text

S. Zumdahl, “INTRODUCTORY CHEMISTRY”, 9th Ed, 2019, Cengage. ISBN 978-1-337-39952-4.

#### Required Materials

Textbook  
A scientific calculator

#### Student Learning Outcomes/Course Objectives

Learning Outcome	Quiz	Exam	Project	Classroom Activity
<b>Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.</b>				
1. Perform accurate computations using order of operations with and without technology.	X	X		X
2. Identify and organize relevant information and complete the solution of an applied problem.	X	X		X
3. Interpret and communicate understanding of visual representations of data.	X	X		X
4. Demonstrate mathematical number sense and unit sense.	X	X		X

#### Course Grading:

Assignments	Percentage
Exams	40%
Quizzes	20%
Class Activities/Participation	10%
Homework	15%
Final Exam	10%
Attendance: entered daily into Canvas	5%

**Grading Scale:** A=100-90; B+=89-87; B=86-80; C+=79-77; C=76-70; D=69-60; F=59 or below.

**Exams and Quizzes:** Tests and quizzes will be administered in class. All tests and quizzes must be completed on the assigned day. No makeup tests or quizzes will be given. Students missing an exam or quiz will receive a grade of 0.

**Class Activities:** There will be a number of class activities during the semester. Due dates will be determined based on the unit of study. The due date will be assigned in class and will also be posted online.

**Homework:** There will be a number of homework activities during the semester. Due dates will be determined based on the unit of study. The due date will be assigned in class and will also be posted online. Late homework activities will not be accepted.

**Attendance:** Class attendance is expected and will be automatically placed into grades on Canvas.

**Cell phones (and all other electronic devices)** are to be turned to silent and stored in a purse or backpack. Texting or listening to music players will not be tolerated. If a phone is seen it will be taken to Student Services and the student will not be allowed to retrieve it until the end of the day.

**Course Schedule/Outline:**

Week	Dates	Chapter(s)	Assignment
	January 5-6	Schoolwide/Classroom and Introductory Chemistry Course Information	
1	January 9-13	Chapter 2: Measurements & Calculations	Ch. 2 Class Activity Ch. 2 HW Ch.2 quiz on 1/19
2	January 16-20	Chapter 3: Matter	Ch. 3 Class Activity Ch. 3 HW Ch. 3 quiz on 1/26
3	January 23-27	Chapter 4: Chemical Foundations: Elements, Atoms, and Ions	Ch. 4 HW
4	January 30 – February 3	Chapter 5: Nomenclature	Ch. 5 HW
5	February 6-10	Chapter 6: Chemical Reactions: An Introduction	Test 1 Ch. 2-5 on 2/9 Ch. 6 class activity Ch. 6 HW
6	February 13-17	Chapter 7: Reactions in Aqueous Solutions	Ch. 7 HW
7	February 20-24	Chapter 8: Chemical Composition	Ch. 8 HW Ch. 8 quiz on 3/2

8	February 27- March 3	Chapter 9: Chemical Quantities	Ch. 9 class activity Ch. 9 HW
9	March 6-10	Chapter 11: Modern Atomic Theory	Test 2 Ch. 6-9 on 3/9 Ch. 11 HW
	March 13-17	Spring Break	
10	March 20-24	Chapter 11: Modern Atomic Theory/ Chapter 12: Chemical Bonding	Ch. 11 Quiz 3/30
11	March 27-31	Chapter 12: Chemical Bonding	Ch. 12 class activity Ch. 12 HW
12	April 3-7	Chapter 13: Gases	Ch. 13 class activity Ch. 13 HW
13	April 10-14	Chapter 14: Liquids and Solids	Test 3 Ch. 11-13 on 4/13 Ch. 14 HW
14	April 17-21	Chapter 14: Liquids and Solids/ Chapter 15: Solutions	Ch. 15 Class Activity Ch. 15 HW
15	April 24-28	Chapter 15: Solutions/ Chapter 16: Acids and Bases	Ch. 15 quiz on 4/26 Ch. 16 class activity
16	May 1-5	Chapter 16: Acids and Bases	Final Exam TBA

**STATEMENT:** 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

### College Policies

**Academic Integrity** – Academic dishonesty (such as plagiarism or cheating) will not be tolerated and may result in disciplinary action under the Code of Student Conduct. Cases of academic dishonesty will be referred to a mandatory, two-hour Academic Integrity Seminar, which includes a fee (see *Student Handbook*). Failure to attend the Academic Integrity Seminar will result in the assignment of a final course grade of “FF” on the student’s transcript, denoting course failure due to a violation of the college’s Academic Integrity policy.

**Disability Services for Students with Disabilities** – To ensure students have equal access to educational opportunities here at the College of Central Florida, students with medical, sensory, physical, psychological, and/or cognitive disability are encouraged to register with the Office of Disability Services and request an application. If eligible, Disability Services will help facilitate approved accommodations for you. *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 Disability Services is located in Building 5-204, on the Ocala Campus. For more information visit the Disability Services webpage at [CF.edu/Access](http://CF.edu/Access), or email Victoria Colleli at [colleliv@cf.edu](mailto:colleliv@cf.edu), or call 352-873-5843 for further information.

Professional counseling services are available for all college students who are experiencing anxiety, depression, PTSD, stress; basically all psychological issues that could affect their school, job, relationships, or their home lives. Services are provided by Florida licensed mental health clinicians. This confidential resource is for all college students who want to achieve their endeavors. The Counseling Department is located in building 5, office 205B or office 205F. For more information about Counseling, you may call 352-854-2322 Ext. 1760 or Ext. 1286 or Ext. 1580.

**Attendance Policy** – Regular, punctual class attendance is the responsibility of every student who enrolls at the College of Central Florida; therefore, the institution is committed to enforcing the attendance policy in an effort to assist students in achieving their educational objectives. The documentation of student absences will begin the first day of class, regardless of when the student registers. When a student has a legitimate reason for being absent, the instructor has the option of permitting the student to make up work missed and may require an explanation for the absence. The college reserves the right to evaluate individual cases of nonattendance. See *Student Handbook*, Policy Manual and Administrative Procedures.

**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).

**Classroom Decorum**- Disruptive behavior will not be tolerated. Disruptive students will be asked to leave the classroom. Continuous disruptive behavior will result in disciplinary action under the Code of Student Conduct. (See Student Handbook.)

**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.”

Add/Drop period: January 9-11, 2023

Last day to withdraw with a “W”: March 31, 2023

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.

## 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 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. CF also has a counseling office where students may receive free confidential professional counseling by State licensed clinicians. For more information you may call 352-854-2322 ext. 1760 or visit the counseling office at the Bryant Student Union, room 204B, or email [ballardm@cf.edu](mailto:ballardm@cf.edu).

## Additional statements for this course

- **Early Support Program (ESP):** The College of Central Florida is committed to helping you succeed and achieve your academic, personal and career goals. One of the ways we can accomplish this goal with you is through an Early Support Program. Our philosophy, based on extensive research and practice, is that when students are connected early to resources and support systems on campus they are more likely to stay in classes, perform better in those classes, and complete their path more quickly. Therefore, you may be contacted by your First Year Success Specialist, program Advisor and/or other resources on our campus if there is a time during the semester I feel it would be beneficial to your continued success. I am always your first point of contact for any concerns that affect your success or with course content, so I encourage you to come to me to discuss those issues. Also, be assured that I will first communicate any concerns I have with you and will then connect you with the other areas on our campus to help develop a network of support for you.
- This course uses Canvas to post course materials. Go to [MyCF \(mycf.cf.edu/ICS/\)](https://mycf.cf.edu/ICS/), login, click on the Academics tab, and follow the link to Go to Canvas. If you are not familiar with Canvas, you may access a self-tutorial by hovering over the Courses tab in Canvas and clicking on the Getting Started in Canvas course. Additional Canvas tutorials can be found under the help menu in the upper-right corner of your Canvas page. If you have any questions or encounter any problems logging on to Canvas or within the system, contact the Distance Learning Help Desk Monday through Friday, 8 a.m.-4:30 p.m. (fall and spring hours), or Monday through Thursday, 7:30 a.m.-5:30 p.m. (summer hours), at [dlhelp@cf.edu](mailto:dlhelp@cf.edu) or at 352-854-2322, ext. 1317. You may also use the 24/7 Canvas help desk by clicking the Help link in the upper right corner of Canvas.
- **Library Resources:** The CF Libraries are here to help with your research and information needs. Search the library catalog ([library.cf.edu](http://library.cf.edu)), or contact the Ocala campus library ([library@cf.edu](mailto:library@cf.edu), 352-854-2322 x1345) or the Citrus campus library ([citruslb@cf.edu](mailto:citruslb@cf.edu), 352-249-1205) with questions. Learn more about research help, online and database searching, and citing your sources by visiting the [CF Virtual Library](http://cf.libguides.com) ([cf.libguides.com](http://cf.libguides.com)) or by visiting the Ocala library (Building 3) or Citrus library (Building C2, Room 202) for one-on-one help. **Course reserves:** Course textbooks and/or supplemental course material may be on reserve at the Library. Please call to inquire. If the item you are looking for is not on reserve, ask your instructor if they are able to place a copy on reserve.