



University of International Business and Economics International Summer School

CHE 110 Introduction to Chemistry

Term: July 2 – August 2, 2018

Instructor: Nan Chen

Home Institution: Curry College

Email: nan1468@gmail.com

Class Hours: Monday through Thursday, 120 minutes each day

Office Hours: TBD

Discussion Session: 2 hours each week

Total Contact Hours: 66 contact hours (45 minutes each)

Credit: 4 units

Course Description:

An exploration of the origin of life on a molecular basis; a familiarization with the basic chemistry of living organisms and their environment; an understanding of the laws that govern life; and a discussion on the fate of life as a consequence of drugs and man's chemical pollution of the earth's atmosphere, soil and water. Designed as a terminal non-laboratory course for the liberal arts non-science student.

Course Goals:

The student will learn the elementary concepts of chemistry and be able to relate the use of chemistry in their everyday lives.

The student will be introduced to the concepts of atoms, molecules, ions, solutions and chemical reactions and begin to understand the relevance of chemistry in important societal issues. Most importantly, the student will begin to learn to think critically.

Required Textbook:

21st Century Chemistry by Kimberly Waldron
Roberts and Company Publishers, Inc.

Course Expectations:

Attendance: The lectures and the text will serve as the primary source of information for this course. You are responsible for any information missed by not attending class.

Participation: A significant portion of your grade (11%) will be determined by classroom participation, attendance and your Foundations Grade.

Quizzes: Each quiz will cover two chapters, material from the textbook and discussions on the topics covered. The final exam (200 points) will cover all material covered during the semester.



You are responsible to be present for all exams. You may be allowed to miss an exam if you have notified me in advance of the exam and if a legitimate situation exists for you to do so (decided by me). You will receive a “0” for any unexcused absence from an exam. A make-up exam may be scheduled in the case of an excused absence from an exam.

Homework Assignments: Assignments and their due dates will be given in class and posted on Blackboard and must be turned in by the start of the class when they are due. Assignments will be designed to reinforce concepts presented in class and provide individual exploration of topics of interest.

Late assignments: In most cases a late assignment will be docked 5 points.

Regular class attendance and completion of chapter readings are necessary to succeed in this course.

✧ Project or Paper	200 points
✧ 7 Quizzes @ 50 points each	350 points
✧ Lecture Attendance and Participation	50 points
✧ Foundations Grade	60 points
✧ Assignments 14 @10 points each	140 points
✧ Final Exam	200 points
Total	1000 points

Cell Phones and Computers:

Turn off all cell phones before you enter class. **No texting in class.** You may choose to use your laptop computers to take notes during class. However, you may not use computers for searching the internet, social media, gaming, etc. during class time.

Grading Scale:

Assignments and examinations will be graded according to the following grade scale:

A	90-100	C+	72-74
A-	85-89	C	68-71
B+	82-84	C-	64-67
B	78-81	D	60-63
B-	75-77	F	below 60

Academic Honesty:

Academic honesty is discussed in the FSU course catalog. Please note the following excerpt: “Plagiarism: claiming as one’s own work the published or unpublished literal or paraphrased work of another. It should be recognized that plagiarism is not only academically dishonest but also illegal.” You are responsible for turning in your **own** work. Plagiarism and cheating will not be tolerated in any form. If you cite or paraphrase someone else’s work you must reference them.

Course Schedule:

Class	Topic	Text	Assignments	Quizzes/Exams
WEEK	Class Overview			
	The Story of Chemistry	Ch. 1	Proof of Prof.	

ONE	Atoms	Ch. 2		
	Atoms	Ch. 2	All end of Chap.	Quiz 1
	Everything	Ch. 3		
	Everything	Ch. 3	Ques. 1 – 5 & 12,	
WEEK TWO	Bonds	Ch. 4		
	Bonds	Ch. 4		Quiz 2
	Carbon	Ch. 5		
	Air	Ch. 6		
	Air	Ch. 6		Quiz 3
WEEK THREE	Chemical reactions	Ch. 7		
	Chemical reactions	Ch. 7		
	Water	Ch. 8		
	Water	Ch. 8		Quiz 4
	Salts and Aqueous Solutions	Ch. 9		
	Salts and Aqueous Solutions	Ch. 9		
WEEK FOUR	pH and Acid rain	Ch. 10		
	pH and Acid rain	Ch. 10		Quiz 5
	Nukes	Ch. 11		
	Nukes	Ch. 11		
	Energy, Power, and Climate	Ch. 12		
	Energy, Power, and Climate	Ch. 12		Quiz 6
WEEK FIVE	Sustainability and Recycling	Ch. 13		
	Sustainability and Recycling	Ch. 13		
	Food	Ch. 14		
	Food	Ch. 14		Quiz 7
	Review			
	Final Exam			