

# Syllabus

## Fall 2016

### Instructor Contact

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### Course Information

<b>Course Name</b>	Concepts in Chemistry
<b>Course ID &amp; Section</b>	CHM 1020, 0W61
<b>Credit Hours</b>	3
<b>Semester/Year</b>	Fall 2016
<b>Location</b>	Webcourses

### Course Description

Concepts in Chemistry, CHM 1020, is 3 credit hours intended to fulfill requirements in general education that partially satisfies the 6 credit hours science requirement. Emphasis will be placed on

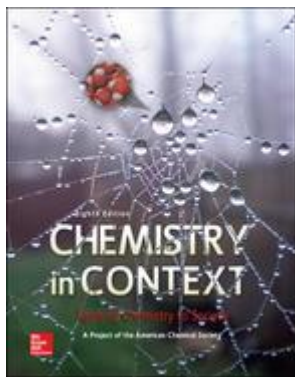
basic concepts of state of matter, atomic structure, chemical bonding chemical compounds, and chemical reactions. High school algebra is prerequisite for this course.

## Course Objectives

- Define and explain basic technical terms used in chemistry.
- Analyze and interpret simple scientific information and data.
- Recognize and differentiate physical and chemical changes, mixtures, compounds molecules, atoms and ions.
- Recognize and differentiate common atomic components and particles.
- Write names and formulas for simple chemical compounds and differentiate between ionic and molecular compounds.
- Balance simple chemical equations.
- Solve simple stoichiometry problems.
- Use conversion factors to solve chemistry problems.
- Define, recognize, and characterize acids and bases.
- Explain the wave and particle nature of light.
- Explain the reason for the change in the ozone layer and health consequences.
- Identify the cause of indoor and outdoor air pollution, greenhouse gases, water pollution, and resulting health and environmental consequences.
- Discuss the efforts to solve local and global pollution, nutrition, and medicine issues and the consequences on economies, living standard, and societies.

## Required Materials

- Chemistry in Context, 8th ed., American Chemical Society
- ConnectPlus
- Computer with Microsoft software
- Internet access
- Basic scientific calculator



## Course Requirements

- Complete online readings, assignments and activities.
- Complete study quizzes.
- Complete online **LarenSmart** and **Connect assignments**.
- Complete discussion topics.
- Complete online quizzes.

- Complete monthly exams.
- Complete the final exam.

## Missed Assignments/Make-Ups

- No makeup for missed deadline assignment or activity. To accommodate some missed assignments, two Study Quizzes, one Quiz, one Discussion, one LernSmart, and one Connect assignments will be dropped.
- If you miss one schedule exam, your final exam grade(50%) will be used for that exam.
- More than one missed schedule exam shall count zero.
- Missing the final exam will lead to an F grade in the course.

## Evaluation and Grading

Your final letter grade will be computed using the following data:

4 Monthly Exams(75 points each) (The lowest will be replaced by the % of the final exam, if higher)	300 points	30%
Final exam (cumulative and mandatory)	150 points	15%
Quizzes (the lowest will be dropped)	100	10%
LernSmart (the lowest will be dropped)	100	10%
Connect (the lowest will be dropped)	100	10%
Discussion (the lowest will be dropped)	150	15%
Study Quizzes (Two lowest will be dropped)	100	10 %
<b>Total</b>	<b>1000</b>	<b>100%</b>

I will adopt the following grading scale:

Letter grade	% of the total grade
A	94 - 100
A-	90 - 93
B+	87 - 89
B	84 - 86
B-	80 - 83
C+	76 - 79
C	70 - 75

D	60 - 69
F	Below 60

## Course Expectations

Additional information to assist you in successfully completing this course is located in [Course Expectations](#).

## Attendance Policy

Active participation in this course is the key to fulfill the academic objectives of the course. You need to log in at least **three times per week** and perform the activities and do the assignments according to the schedule. It is preferable to log in several times during the week. Your participation will be based on assignments completion and discussion posting and comments.

## Federal Financial Aid Regulation

As of Fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, or as soon as possible after adding the course, but **no later than August 26**. Failure to do so will result in a delay in the disbursement of your financial aid.

1. Survey
2. Syllabus Quiz

## Withdrawal

if you wish to withdraw from the course you must do so by **Monday, October 31, 2016, 11:59 p.m.** to receive W. In case you did not withdraw from the course and did not do your, you will receive an F grade in the course.

## Tutorial

The Chemistry Department offers free tutoring for all students enrolled in CHM 1020. The tutoring sessions are held in the Chemistry Tutoring Center located in Chem. Bldg. CHEM 321. The sessions are led by experienced Graduate Students. I strongly encourage you to participate in these sessions. The tutoring schedule will be posted on [webcourses@UCF](mailto:webcourses@UCF).

# Supplemental Instruction

The Student Academic Resource Center (SARC) offers weekly study sessions for all students in Concepts in Chemistry CHM 1020. The sessions are led by an experienced SI Leader. I strongly encourage you to participate in these sessions. The statistics showed that students attended SI sessions improve their final grades significantly. The plan is to have on campus and online sessions. The schedule will be posted soon.

## Hardware/Software Requirements

The following hardware and software technologies might be needed to complete assignments:

- Microsoft Office, preferably 2007+
- Adobe Acrobat Reader
  - Free Adobe Acrobat Reader: <http://www.adobe.com/go/getreader/>
- Adobe Flash player
  - Free Adobe Flash Player: <http://www.adobe.com/go/getflash>

## Academic Honesty

Plagiarism and cheating of any kind on an examination, quiz, or assignment will result at least in an "F" for that assignment (and may, depending on the severity of the case, lead to an "F" for the entire course) and may be subject to appropriate referral to the [Office of Student Conduct](#) for further action. See the [UCF Golden Rule](#) for further information. I will assume for this course that you will adhere to the academic creed of this University and will maintain the highest standards of academic integrity. In other words, don't cheat by giving answers to others or taking them from anyone else. I will also adhere to the highest standards of academic integrity, so please do not ask me to change (or expect me to change) your grade illegitimately or to bend or break rules for one person that will not apply to everyone.

## Disability Statement

The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with [Student Accessibility Services](#), Ferrell Commons, 7F, Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

## Copyright

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items. The use

of these materials is strictly reserved for this online classroom environment and your use only. All copyright materials are credited to the copyright holder.

## Third-Party Software and FERPA

During this course you might have the opportunity to use public online services and/or software applications sometimes called third-party software such as a blog or wiki. While some of these could be required assignments, you need **not** make any personally identifying information on a public site. Do not post or provide any private information about yourself or your classmates. Where appropriate you may use a pseudonym or nickname. Some written assignments posted publicly may require personal reflection/comments, but the assignments will not require you to disclose any personally identity-sensitive information. If you have any concerns about this, please contact your instructor.

## Proctor Tests

Exams will be taken online using an online video monitoring system called ProctorHub. You will need access to a webcam on your computer (Windows, Mac OS X, or Linux) in order to use this program.

ProctorHub is a UCF test monitoring system that utilizes a webcam to monitor test taking activity during online testing. Videos are only accessible to your instructor, and are stored in a secure environment. If you do not have a webcam, there are computers with webcams in the UCF library, or you can visit the LibTech desk at the library to sign out one. Lib tech can also direct you to a computer in the library with a webcam. Please note that these computers cannot be reserved ahead of time. It is your responsibility to ensure that you will have access to a computer with a webcam and know how to log into and use ProctorHub, prior to the time that the tests start. Please note that ProctorHub is not yet compatible with Apple iOS (iPhone, iPod Touch, iPad) or Android smartphones.

**Please be advised that no exam will be accepted without using the ProctorHub.**

## Extra Credit Assignments

[The following assignments are available as extra credit \(50 points potential\):](#)

Chapter 0 LearnSmart

Chapter 12

Study Quiz 12.1

Study Quiz 12.2

Quiz 12

LearnSmart 12

Connect HW 12

# Tentative Schedule

<i>Date/Week</i>	<i>Test</i>	<i>Assignment</i>
8/22 - 8/28 W1		Module 1
8/29 - 9/4 W2		Module 2
9/5 - 9/11 W3		Module 3
<b>9/13</b>	<b>Exam 1</b>	10:00am to 10:00pm (Module 1+Module 2+Module 3)
9/12 - 9/18 W4		Module 4
9/19 - 9/25 W5		Module 4 + Module 5
9/26 - 10/2 W6		Module 5
<b>10/04</b>	<b>Exam 2</b>	10:00am to 10:00pm (Module 4 + Module 5)
10/3 - 10/9 W7		Module 6
10/10 - 10/16 W8		Module 6 + Module 7
10/17 - 10/23 W9		Module 7
<b>10/25</b>	<b>Exam 3</b>	10:00am to 10:00pm (Module 6 + Module 7)
10/24 - 10/30 W10		Module 8
10/31 - 11/6 W11		Module 8 + Module 9
11/7 - 11/13 W12		Module 9
<b>11/15</b>	<b>Exam 4</b>	10:00am to 10:00pm (Module 8 + Module 9)
11/14 - 11/20 W13		Module 10

11/21 - 11/27 W14		Module 10 + Module 11
11/28 - 12/4 W15		Module 11
12/05		Study day
<b>12/06/2016</b>	<b>Final Exam</b>	10:00am to 10:00pm (Module 1 to Module 11)