

# BASIC CHEMISTRY: CONCEPTS AND APPLICATIONS I (FACE-TO-FACE)

CHM 1030, SECTION 0673

3 CREDITS

FALL 2014

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(352) 392-0518

**OFFICE HOURS:** TBA

**COURSE TA:** TBA; office hours in the Chemistry Learning Center (Keene-Flint Hall, 257-258)

**COURSE WEBSITE:** <http://ufl.instructure.com>

**COURSE DESCRIPTION:** CHM 1030 is the first half of the CHM 1030/1031 sequence, a terminal sequence for nonscience students that presents chemistry from a medical/nursing and life science perspective. CHM 1030 provides an overview of topics in general chemistry. (P)

**PREREQUISITE KNOWLEDGE AND SKILLS:** High school algebra is necessary.

**COURSE COMMUNICATIONS:** General course questions should be posted to the Q&A board in Canvas. The course TA or instructor will respond to Q&A posts within 24 h during the work week (allow 48 h over the weekend). Private or grade-related questions should be sent to your instructor via the mail function in Canvas. If you email your instructor outside of Canvas, you will be asked to resend the message using Canvas.

**REQUIRED TEXT:** *You must purchase one of the packages available at the bookstore.* One option is an access card that provides access to an e-book and required homework activities. The other option includes a hardcopy of the book and the access card. **An access card purchased elsewhere will not work for this course.**

**PURPOSE OF COURSE:** This course fulfills the preprofessional requirements in the College of Nursing and some majors in the College of Agricultural and Life Sciences.

**COURSE STUDENT LEARNING OBJECTIVES:** The student will:

- Demonstrate an understanding of basic chemical concepts, including classification of matter.
- Demonstrate the ability to apply chemistry-centered mathematical concepts effectively to real-world solutions; for example, calculating Calories in an item of food, and using half-life to assess potential dangers of radioactive isotopes.
- Communicate scientific findings clearly and effectively using oral, written or graphic forms.
- Distill and analyze information from multiple perspectives, including that presented in tabular or graphic format. The student will apply logical reasoning skills in this task.
- Communicate scientific findings clearly and effectively using oral, written or graphic forms. The student will participate in threaded discussion forums, within small cohorts, based on broader themes related to each module.

**COURSE POLICIES:**

**QUIZ/EXAM POLICY:** Two sectional exams and a final exam will be administered. While each exam will be based upon the material of that section, some overlap in material covered is to be expected.

End-of-module quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. The student may take the quizzes at any time within the permitted window. The lowest such quiz score is dropped.

**MAKE-UP POLICY:** A conflict exam will be offered to those students with valid conflicts (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>). It is your responsibility to identify yourself as requiring such accommodation at least one week prior to the exam.

**CALCULATORS:** A basic statistics calculator (with log, ln, root and exponent functions) is necessary for this course. Calculators are allowed during exams but may not be shared. Cell phones may not be used for calculations, and should be turned off while in class as a general class policy.

**ASSIGNMENT POLICY:**

**1. MASTERINGCHEMISTRY (MC):** You will access your electronic textbook and the MasteringChemistry homework directly from within Canvas. The access code must be purchased at the bookstore – access codes purchased elsewhere will not work for this

course. See the detailed description of the assignments in the “Start Here” section in Canvas. All assignment scores will be considered final on December 10<sup>th</sup> at 11:59 pm. There is no extra credit. There are no extensions for technical difficulties or other reasons – the assignments are all available well in advance of their due dates. For technical help with MC, contact MC support (not the Help Desk or your instructor).

**2. DISCUSSIONS:** The student is expected to contribute to the threaded discussions (Discussions tab in Canvas) according to the advertised timeline. Original posts and comments on other students’ posts are required. See the Discussion Board grading rubric(s) for details. There is no credit for late submissions, as all discussion assignments are available well in advance of their due dates. You are provided with a menu of 14 discussion topics. Of the 14, your lowest 5 discussion scores will be dropped; however, you must complete the introduction discussion (#1), whose score is not eligible for omission from your discussion grade.

**3. LEARNING CATALYTICS AND IN-CLASS ASSIGNMENTS:** We will be utilizing Learning Catalytics as a classroom response system in this course. You must bring a web-enabled device to each class to participate. We will begin using LC in class after Drop/Add. You must answer each question correctly to receive credit. Questions will be broadly based upon MC assignments due prior to class, lecture video assignments (see viewing schedule), and in-class demonstrations. Points can be made up for incorrect answers, for absences, or for those without portable web-enabled devices on MasteringChemistry homework assignments designated for this purpose. The total points possible for the sum of LC and the designated make-up MC assignments is equal to the points available in the LC assignments (i.e. you cannot achieve extra points by answering correctly in LC and also doing the MC assignments). We may also do other in-class assignments, whose point totals will be applied to this grade category.

**4. MYREADINESSTEST:** We will be employing MyReadinessTest this semester in an effort to assess and improve upon basic math skills. Your instructor will provide you with an access code at no charge. For grading information see the “Start Here” section of Canvas.

**5. WRITTEN ASSIGNMENTS AND PEER REVIEW:** The student will participate in peer review in which he/she composes a written document, grades his/her peers, and has his/her assignment graded by peers, at [www.turnitin.com](http://www.turnitin.com). Instructions for accessing the course page at [www.turnitin.com](http://www.turnitin.com) can be found in Canvas. Each step of the process is graded; the student receives points for assignment submission (20%), for performing the reviews (30%) and for the quality of his/her own work as judged by his peers following a detailed rubric (50%). There are two deadlines for each assignment –

assignment submission and peer review. There are no late submissions for any reason – ensure you submit well in advance of the deadline. Each assignment is available immediately and can be attempted in advance; assignments may be resubmitted up to the assignment submission deadline.

**COURSE TECHNOLOGY:** The student may require Adobe Acrobat Reader, Adobe Flash Player, Microsoft Silverlight and other software; there are free tutorials on many software applications you may encounter on Lynda.com. All UF students are expected to have reliable access to a computer; suggested configurations may be found here: <https://training.helpdesk.ufl.edu/computing.shtml>. ProctorU has specific hardware/software requirements: <http://www.proctoru.com/tech.php>. Check the [MasteringChemistry requirements](#) to ensure you have the necessary plugins to complete the assignments.

## UF POLICIES:

**UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES:** Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations. You may request a .pdf version of your accommodation letter from the Dean of Students Office to send electronically to your instructor.

**UNIVERSITY POLICY ON ACADEMIC MISCONDUCT:** As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.” You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida. The following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should

report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see:  
<http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>.”

**NETIQUETTE: COMMUNICATION COURTESY:** All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats.  
<http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

**FEEDBACK:** Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu>.

#### GETTING HELP:

For issues with technical difficulties with Canvas, please contact the UF Help Desk at:

- [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

#### TUTORING/CHEMISTRY HELP:

The Chemistry Learning Center (CLC) is located in Keene-Flint Hall rooms 257 and 258. Chemistry graduate students offer free help, usually weekdays between periods 2-9.

The [UF Teaching Center](#) has free walk-in help for CHM1025 and CHM2045/2046 – the tutors for these courses should be able to help you, or you can schedule an appointment. You can also watch interactive practice exams from those courses.

#### GRADING POLICIES:

Should a student wish to dispute any grade received in this class (other than simple addition errors), the dispute must be in writing and be submitted to the instructor within 72 h of receiving the grade (within 24 h of Exam 3).

**GRADE DISTRIBUTION:**

See the detailed grade breakdown provided on the Syllabus page in Canvas.

**GRADING SCALE:**

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
88%	85	81	78	75	71	67	65	61	57	55	<55

For more information:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx#grades>

<http://www.isis.ufl.edu/minusgrades.html>

Disclaimer: This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.