

# CHEMISTRY FOR THE LIBERAL ARTS

CHM 1020 SECTION 09F1

3 CREDITS

FALL 2014

“In the fields of observation, chance favors only the prepared mind.” (Louis Pasteur)

ONLINE CLASS

**INSTRUCTOR:** Melanie Veige  
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e-mail through Canvas only  
(352) 392-0518

**OFFICE HOURS:** TBA

**COURSE TA:** TBA

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

**COURSE DESCRIPTION:** CHM 1020 is a terminal chemistry course for non-science students that presents the basic concepts of chemistry and examines the role of chemistry in both consumer products and the environment. (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 Discussion posts within 24 h during the work week (allow 48 h over the weekend). Private or grade-related questions should be sent to the instructor using the mail function in Canvas.

**REQUIRED TEXT:** Access to an electronic version of the textbook (*Chemistry in Context*, 8<sup>th</sup> ed., American Chemical Society) and to the homework activities is included in your course fees. You can access the course text and homework activities immediately by following the instructions provided under the “Start here” heading in Canvas. If you have any questions about this process, please e-mail your instructor. A copy of the text is available on at the Marston Science Library reserves.

**ADDITIONAL REQUIREMENTS:** A computer with webcam, microphone, and speakers is required. You will also need a calculator capable of exponents and logarithm functions.

**PURPOSE OF COURSE:** By the end of this course it is expected that students will have a fundamental understanding of the chemistry of the major environmental threats to air and water, including ozone depletion, smog, global climate change, and others.

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

- Demonstrate an understanding of basic chemical concepts, including classification of matter.
- Gain an understanding of the vocabulary of chemistry, which permeates society on food and product labels, in regards to pollution and climate change, and in the discussion of sustainable energy.
- 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.
- Describe the chemistry of the major environmental threats to air and water, including ozone depletion, smog, global climate change, groundwater pollution, and energy production.

**INSTRUCTIONAL METHODS:** The course material is delivered via recorded lectures by your instructor, through other instructional videos (PBS, NASA, etc.), and by key readings in the text.

#### COURSE POLICIES:

**QUIZ/EXAM POLICY:** The midterm and final exam will be administered with remote proctoring by ProctorU. It is your responsibility to register with ProctorU and reserve an exam time for the permitted dates (midterm: 10/15-10/17; final: 12/08-12/10). To register go to <http://go.proctoru.com>. If you fail to make a reservation sufficiently in advance, a late fee may be assessed by ProctorU, and you may have difficulty obtaining a desirable exam time. Failure to reserve a time slot in advance is not an acceptable reason for a make-up. If you encounter technical difficulties with ProctorU, call ProctorU.

End-of-module quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. The *lowest two* such quizzes are dropped (note, the midterm and final exam scores are not eligible to be 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. If, during the exam, you experience technical difficulties with ProctorU, the correct course of action is to contact ProctorU at 205-870-8122. If you experience technical difficulties with Canvas, contact the Help Desk immediately at 392-HELP. A ticket number will be created to log the time and nature of the problem. You must contact your instructor via e-mail within 24 h of the technical difficulty to be considered for a make-up. The ticket number will be required by your instructor should a make-up exam be requested.

## ASSIGNMENT POLICY:

**1. MCGRAW-HILL:** There are two electronic homework components: electronic (“Connect”) homework and LearnSmart activities. The *homework* policies are: the student may attempt each assignment an unlimited number of times without penalty. Homework assignments may be submitted late, with a penalty of 10% per day late. LearnSmart assignments are submitted as-is at the due date/time; there are no late submissions for credit. All assignments must be submitted by December 10<sup>th</sup> at 11:59 pm at which time the scores will be considered final. The lowest two homework and the lowest two LearnSmart module grades are dropped. For technical issues with Connect, LearnSmart, or the SmartBook/ebook, contact McGraw-Hill for 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.

**3. WRITTEN ASSIGNMENTS/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 (30%). 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.

**4. GROUP ASSIGNMENTS:** The student will contribute to group projects. A single final product is submitted by each group, and each group member receives the same grade. Your groups are automatically created within Canvas. See the grading rubrics for specific details of each assignment.

**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 [McGraw Hill technical support page](#) 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.

**UNIVERSITY POLICY ON ACADEMIC MISCONDUCT:** Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.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>

## GETTING HELP:

For issues with technical difficulties in 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>

\*\* Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

## 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 for the final exam).

### GRADE DISTRIBUTION:

1. McGraw-Hill Connect Homework (15%); the two lowest scores are dropped
2. LearnSmart (10%); the two lowest scores are dropped
3. End of module quizzes (15%); the two lowest scores are dropped  
Time-limited end-of-chapter quizzes will be delivered in a multiple-choice, matching and fill-in-the-blank format through Quizzes in Canvas.
4. Proctored (online) Midterm (14%) and Final (14%) Exam
5. Discussions (5%)
6. Written Assignments & Peer Review ([www.turnitin.com](http://www.turnitin.com)) (20%)

7. Group Assignments (5%)
8. Syllabus Quiz and Surveys (2%)

**GRADING SCALE:**

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
88%	85	81	78	75	71	68	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.