

# CHEMISTRY FOR THE LIBERAL ARTS

CHM 1020 SECTION 4C71 & 4E86 (ONLINE)

3 CREDITS

SUMMER B 2015

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

ONLINE CLASS

**INSTRUCTOR:** Melanie Veige  
CLB C130B  
e-mail through Canvas only  
(352) 392-0518

**OFFICE HOURS:** TWR 9-10 am in the CLC (Keene-Flint Hall, 257-258)

**COURSE TA:** TBA

**COURSE WEBSITE:** <https://lss.at.ufl.edu>; select e-Learning in Canvas

**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 using Piazza in Canvas. The course TA or instructor will respond to Discussion posts within 24 h during the work week (wait until Monday for responses to questions/emails sent over the weekend). Private or grade-related questions should be sent to the instructor using the mail function in Canvas.

**REQUIRED TEXT:** A significant portion of your grade stems from electronic homework associated with an ebook. You have two options for purchasing access, each of which includes an electronic copy of the text (*Chemistry in Context*, 8<sup>th</sup> ed., ACS, McGraw-Hill): **Option 1**) you may consent to have the purchase price charged to your student account (following the directions posted under “Start Here” on the course home page in Canvas – you will be refunded the charge if you drop the course during Drop/Add); **Option 2**) you may purchase an access code for the materials at the UF Bookstore (the price may be higher at the bookstore). Note, **these are the only two places you**

**can obtain a valid, working access code for this course.** You may consult a hardcopy of the text at the Marston Science Library Reserves. You can then access the course text and homework 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.

**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:** Two proctored exams 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 (Exam 1: 7/20-7/21; Exam 2 (cumulative): 8/4-8/5).

To register go to <http://go.proctoru.com>. **Ensure that you are reserving for the correct course** – there are examinations for similarly numbered courses in their system that may have different dates available. 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, contact ProctorU directly. If you experience any other technical issues during the exam, it is mandatory that you contact the UF Help Desk at that time.

End-of-module quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. You will have 3 attempts at each quiz, with the highest score counting towards your grade in the course. **The lowest two such quiz grades are dropped** (note, proctored exam scores are not eligible to be dropped).

Students wishing to dispute a question or asking for a correction must do so prior to 11:59 pm on the last day of term (Aug. 7<sup>th</sup>), at which time all quiz/exam grades are considered final.

**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. 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 homework assignments must be submitted by August 7<sup>th</sup> at 11:59 pm at which time the scores will be considered final (note: this simply means that you will not enjoy the usual late policy for Connect HW assignments due later in the term; each assignment does have its own due date and time). **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. ***Bonus points for each discussion are available.*** See detailed information on discussion grading under the Start Here section in Canvas. There is no credit for submissions made more than 24 h after their posted due date/time, as all discussion assignments are available well in advance of their due dates. **The one lowest discussion grade is dropped.**

**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, using Peerceptiv. Full assignment descriptions can be found using the “Written Assignments” tab in Canvas. Detailed instructions for assignment submission and participation can be found in Canvas under the Start Here section, including the procedure for grade disputes regarding the writing grade portion of each assignment grade. **Assignments must be submitted as directed to be considered for credit – emailed submissions to the instructor will not be considered for any credit.** **The lowest two written assignment grades are dropped.**

**4. GROUP ASSIGNMENTS:** The student will contribute to group projects; those not wishing to work with a group can complete the assignment individually. A single final product is submitted by each group, and each group member receives the same grade. Your groups are automatically created within Canvas, or you can create your own group. See the grading rubrics for specific details of each assignment. **No grades from this category are dropped.**

**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 (20%); the two lowest scores are dropped
4. Proctored Exam 1 (15%) and Exam 2 (15%) Exam
5. Discussions (6%); the lowest score is dropped
6. Written Assignments & Peer Review (12%); the lowest two scores are dropped
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#hgrades>

<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.