

INTRODUCTORY CHEMISTRY (ONLINE)

CHM 1025, SECTION 4284/076H/18GH

2 CREDITS

FALL 2014

ONLINE COURSE

INSTRUCTOR: Melanie Veige

CLB C130B

E-mail through Canvas only; e-mail sent to any other e-mail address will not receive a response.

(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 1025, a two-credit course, is offered for students who wish to strengthen their understanding of basic concepts of atomic structure and stoichiometry before beginning the general chemistry sequence (CHM 2045/2045L, CHM 2046/2046L). A chemistry readiness assessment (ChRA) is offered online on ISIS. The score achieved determines whether CHM 1025 or CHM 2045 is the appropriate first course in chemistry. This introductory readiness course in general chemistry is for those with weak yet satisfactory backgrounds in high school chemistry and algebra. (P)

A grade of "C" or better is required for progression to CHM 2045.

COREREQUISITES: MAC 1147 or the equivalent.

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 your instructor via the mail function in Canvas.

REQUIRED TEXT AND MATERIALS: Your student account will be charged by UF automatically for immediate access to an electronic copy of the textbook (Basic

Chemistry, 4th ed., Timberlake & Timberlake, Pearson), access to online homework (MasteringChemistry) and to Learning Catalytics, an asynchronous clicker. If you would like a hard copy of the textbook you may purchase an inexpensive loose leaf version at the bookstore (ISBN-13: 9781269740609).

ADDITIONAL REQUIREMENTS: A computer with webcam, microphone, and speakers is required.

PURPOSE OF COURSE: CHM 1025 is designed to help students master the basic concepts of chemistry and acquire the skills necessary for success in the mainstream general chemistry sequence.

GENERAL EDUCATION: CHM 1025, Introductory Chemistry, is a General Education physical science (P) course. The topics covered include classification of matter and nomenclature. The student will apply the topics covered, including classification of matter, to real-world items. Is a bowl of chicken noodle soup a homogeneous or heterogeneous mixture? How do thermochemical principles explain formation of condensate on the exterior of a glass of iced water?

COURSE AND GENERAL EDUCATION 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, and in discussion of current events (pollution and climate change, 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.
- 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.

INSTRUCTIONAL METHODS: The course material is delivered via recorded lectures by your instructor and others, and by key readings in the text.

COURSE POLICIES:

QUIZ/EXAM POLICY: The midterm and cumulative final exam will be administered in Canvas. These exams are remotely proctored by ProctorU. It is your responsibility to register with ProctorU and reserve an exam time on the available dates (midterm: the week of 10/13; final: the week of 12/04). 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 directly.

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/quiz 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. MASTERINGCHEMISTRY: You will access your electronic textbook and the MasteringChemistry homework directly from within Canvas. No access code is required. There are two types of MC assignment – tutorial and homework. The **tutorial** assignments contain instructive tutorials and must be completed (e.g. if there are 50 questions over the semester, there will be 50 points possible for this assignment grade); the **homework** assignments contain additional homework questions, of which you must complete approximately 10 each week of your choosing from the questions provided. The point values for each homework assignment are provided in Canvas; they vary by module. There is no extra credit available. The homework assignments are divided by textbook section; you will benefit most by doing questions on material you find most difficult - careful review of your performance on the tutorial assignments and on the Learning Catalytics assignments will inform you as to which questions will most benefit

your individual study plan. Generally, the student is given 10 chances to answer correctly with a small deduction for an incorrect response; multiple-choice questions are marked as incorrect after one incorrect response. Assignments may be submitted late with a penalty of 10% per day late. **Note: the late penalty is assessed on a question-by-question basis; do not “give up” on a question in order to submit the assignment on time.** All assignments must be submitted by December 10th at 11:59 pm at which time the scores will be considered final. 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.

3. LEARNING CATALYTICS: We will be utilizing Learning Catalytics (LC) as an asynchronous classroom response system in this course. You may use any web-enabled device to participate. Learning Catalytics is accessed from the MasteringChemistry course homepage. You must answer each question to receive credit – you will be scored based upon a combination of participation (50%) and correctness (50%). The maximum number of points possible for each module is provided in Canvas. There is no extra credit available. Assignments are graded as-is on their due date/time.

4. 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. Instructions for accessing the course page at 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
- (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/extension.

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.

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, or you can schedule an appointment. You can also watch interactive practice CHM 1025 exams.

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 the final exam).

GRADE DISTRIBUTION:

1. MasteringChemistry tutorials (6%)
2. MasteringChemistry homework (6%)
3. Quizzes (20%)
Time-limited end-of-module quizzes will be delivered in Canvas. Each quiz is weighted equally. The lowest quiz grade is dropped.
4. Proctored (online) Midterm (20%) and Final (20%) Exam
5. Discussion Boards (10%)
5. Written Assignments (Turnitin) (10%)
6. Learning Catalytics (6%)
7. Syllabus Quiz and Surveys (2%)
The Syllabus Quiz and Surveys #1-3 are each worth 0.5%.

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#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.