

BASIC CHEMISTRY I CONCEPTS & APPLICATIONS

CHM 1030, SECTION 0673

3 CREDITS

FALL 2015

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: see the Syllabus page in Canvas for office hour information

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

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

FIRST THING YOU SHOULD DO: Log into Canvas and access the course. **Click on the Syllabus tab** on the left hand side – once the Syllabus page completes loading, you will see every single due date for every assignment for the entire semester. You should print this page, and cross off assignments as you complete them. At the top of the Syllabus page is a color-coded “suggested study schedule.” This is the schedule you should follow, of textbook readings, to complete the homework, quizzes, and exams on schedule. Each quiz/exam covers specific modules, and you can refer to the color coded study schedule for specific chapter sections you should study. Also, click Modules and find **Module 0: Start Here**. Herein you will find detailed information about grading policies, important hints and tips, late policies, and more. Use the list of due dates and details of late policies (if any) to prioritize the order in which you complete assignments, if you find yourself pressed for time on a particularly hectic day or week. Lastly, find the **Chemistry Learning Center and Broward Teaching Center**, and familiarize yourself with the Academic Technology computer labs on campus, which have computers available for student use 24/7, in case you have a personal computer problem. You will also benefit immensely if you form a study group with other students in the class. Questions about any of this? Post to Piazza.

COURSE DESCRIPTION: CHM 1030 is the first half of the CHM1030/1031 sequence, a terminal sequence for nonscience students that presents chemistry from a medical/nursing and life science perspective. CHM1030 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 Piazza in Canvas. The course TA or instructor will respond to emails & Piazza posts within 24 h during the work week (this usually means a wait until the next weekday morning for responses to questions). Non private/personal questions sent via email will be posted and answered using Piazza so all students can benefit from the response. We're also relying on you to help each other by answering questions on Piazza when instructors/TAs aren't available (after 5 pm, on weekends, etc.).

To get the most out of Piazza, review your notification settings from within Piazza: click on the Piazza tab, then click the little gear icon next to your name in the Piazza window. You will want to review email notifications to see if another student has asked/answered a homework question you've been struggling with, or if additional information has been provided about an upcoming assignment. Before posting a question, check to see if someone else has already asked – you can sort questions by topic and/or search for a homework question or topic by typing in a search term.

I encourage you to post questions related to MasteringChemistry homework on Piazza – the homework isn't meant to be a test, it's a learning tool. For the best response, take a screenshot of your question and/or the answer you've provided, and give the precise HW question # in the title of the post. The more information you provide, the easier it is for your instructor/TA/another student to help.

Private or grade-related questions should be sent to your instructor via the mail function in Canvas. Do not email your instructor outside of Canvas – you will not receive a response.

REQUIRED TEXT AND MATERIALS: A significant portion of your grade stems from electronic homework associated with an ebook (MasteringChemistry). You have two options for purchasing access, each of which includes an electronic copy of the text (*General, Organic, and Biological Chemistry: Structures of Life*, 4th ed., Timberlake, Pearson): **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**. Option 1 is time-limited; after a few weeks have passed in the course, your only option will be #2.

If you choose, you can also purchase an inexpensive loose leaf hardcopy of the text at the bookstore, though this is not required. You may consult a hardcopy of the text at the Marston Science Library Reserves, though any general chemistry/introductory chemistry textbook can be referenced.

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 AND GENERAL EDUCATION 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.
- 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: Five progress exams will be administered during class times, each of which will cover two modules. The lowest of these scores will be dropped. A cumulative final exam will be held during final exam period.

End-of-module quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. When you're ready to begin, simply click the link to start! You will have 3 attempts at each quiz, with the highest score counting for credit. **The lowest *one* such quiz score is dropped.**

If you believe you have found an error on a quiz/exam or would like to dispute a response, the deadline for doing so is the last day of term (Dec. 9th @ 11:59 pm) after which quiz and exam scores are considered final.

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. Also see the General Chemistry Exam Absence Policy, in the Start Here section in Canvas.

ASSIGNMENT POLICY:

1. MASTERINGCHEMISTRY: You will access your electronic textbook and the MasteringChemistry homework directly from within Canvas (*Modules>Mastering Chemistry*). Full assignment descriptions, grading policy, late policy, estimated homework completion times, and a list of due dates are provided in Canvas (see the “Start Here” section).

Important note: if you reach your 8th or 9th attempt at answering a question, you’re better off waiting a day or two to get help with the answer and submitting that particular question late than if you “give up” on the question. Each question is individually penalized for lateness – if you complete 9/10 questions on time, you can always score 90% on the assignment (assuming no deductions). If you “give up” on the remaining question to submit the assignment on time, you can still only score 90%. If you wait a day after the assignment due date to get help with one question, only that question will be penalized for lateness – if one question has a 10% late deduction, your score can be as high as 99%.

Furthermore, MC homework is not ever graded/regraded manually – get help before using all of your answer attempts. All assignment scores will be considered final on December 9th at 11:59 pm (this simply means the later assignments don’t have the usual 10-day late for partial credit policy; each assignment has its own, firm, due date and time). There are no extensions for technical difficulties or other reasons – the assignments are all available well in advance of their due dates. If you have a legitimate reason for an extension (illness, family emergency, etc.) you must contact the Dean of Students Office to have the situation verified before an extension will be considered. For technical help with MC, contact MC support (not the Help Desk or your instructor).

Additional practice, not-for-credit homework assignments and practice quizzes have been created for you in MasteringChemistry. These are not mandatory, and are not considered for credit or extra credit. You are strongly encouraged to do extra problems – this is how you’ll know you’re ready for an exam, by your ability to solve a new, challenging, problem the first time, by only referring to a standard formula sheet. For the majority of students, the assigned, for-credit problems are insufficient preparation

for exams in this course or for prep for future courses – with such a large number of students from diverse backgrounds, the path to success will vary greatly for each of you.

The lowest one of the weekly MC assignments is dropped; the “introduction to MC” assignment grade is not eligible to be dropped.

2. DYNAMIC STUDY MODULES: These study aid assignments can be found within MasteringChemistry. Each such assignment is equally weighted. **The lowest seven of these grades are dropped.** The assignments vary in estimated duration from between 10-30 minutes. These assignments have a specific grading policy (see the Start Here section in Canvas) and cannot be submitted late – they are submitted as-is at their due dates/times.

3. LEARNINGCATALYTICS: We will be utilizing LearningCatalytics (LC) as a classroom response system in this course, beginning immediately after the Drop/Add period (09/01). You must bring a web-enabled device to each class to participate. You must answer each question correctly to receive credit. The LC score will be curved such that a score of 100% will be attained upon answering 75% of the questions correctly. It is not possible to score greater than 100% in this category. This scoring system accounts for absences planned or otherwise, illness, etc.

4. 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 of 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. For the highest success rate in posting: 1) do not wait until too close to the 11:59 pm deadline – if your clock reads 11:55, the actual time may be a few minutes later; 2) don’t click the back button in your browser after posting; 3) double-check to make sure your submission was successful – navigate back to the course home page, then navigate to the discussion and scroll down on your discussion page to ensure your post looks the way you’d like it to. For technical help, contact the Help Desk. **The two lowest discussion grades are dropped.** *Fair warning: Discussions 3 and 4 require the student to use a Java applet. If you are unable to run the applet, you may wish to have these two discussions as your dropped scores. If that is the case, ensure you complete the other discussions.*

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, 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 one written assignment grade is dropped.**

It’s recommended that you fully explore the “Written Assignments” tab well in advance of the first assignment due date, so you can ask your instructor if you have any procedural questions. Further, it is recommended that you save/export your document as a .pdf prior to uploading to ensure graphs/images appear in the submission and that all formatting is preserved. You are required to “confirm” each uploaded document – once you do so, and the submission deadline has passed, the paper submission is considered final. Also pay close attention to the time – after 11:59 pm according to Peerceptiv is considered late, no matter what your clock reads.

Fair warning: the second through fourth written assignments require use of a Java applet. If you are unable to run this Java simulation on your computer or to access a computer that will run the simulation, you may consider seeking help at the Help Desk, using a computer in one of the technology labs on campus, or seeing your instructor for help. Ensure you attempt the assignments well in advance of their due dates (the paper submission due dates). If you email your instructor for guidance the day the assignment is due, you may not receive help in time and your assignment grade may be adversely impacted. There are no extensions for technical issues.

Note about written assignment tasks: this is the one type of assignment in this course for which extensions are impossible for any reason, due to the complex tasks of peer review and back evaluation. You are encouraged to complete these assignments early.

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 during the week.

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 homework (one dropped score) (10%)
2. Quizzes (lowest 2 scores are dropped) (8 best @ 2.5% = 20%)
3. Progress Exams (best 4 of 5) (35%)
4. Final Exam (cumulative) (15%)
5. Discussion Boards (lowest 2 scores are dropped) (5%)
5. Written Assignments (Peerceptiv) (lowest score is dropped) (5%)
6. Dynamic Study Modules (lowest 7 dropped) (2%)
7. Syllabus Quiz and Surveys (4 total @ 0.25% each = 1%)
8. LearningCatalytics (7%)

GRADING SCALE: (firm; there is no rounding)

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.