# INTRODUCTORY CHEMISTRY

CHM 1025, SECTION 6030

2 CREDITS

FALL 2016

**INSTRUCTOR:** Chris Brewer

**OFFICE HOURS:** TR 9am – 10am in the Chemistry Learning Center (Keene-Flint Hall, 257-258)

**COURSE TA:** Richard Watkins

**COURSE MEETING:** TR 4th period (10:40am – 11:30am) CLB C130

**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). 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:** The instructor and course TA can be contacted via the mail function in Canvas. Please allow 24 hr for responses (48 hr over the weekends). Questions related to your grade or ANY other grading concern may NOT be discussed via email; grades can be discussed IN PERSON ONLY. Course announcements will typically be made during lecture and are not always repeated via email. If a student is absent from lecture it is their responsibility to ask a trusted classmate what they missed.

**REQUIRED TEXT AND MATERIALS:** A significant portion of your grade stems from electronic homework associated with an ebook (MasteringChemistry & Learning Catalytics). You have two options for purchasing access, each of which includes an electronic copy of the text (*Basic Chemistry*, 4th ed., Timberlake & 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.

## COURSE POLICIES:

**EXAM POLICY:** Four cumulative progress assembly exams between 8:20-10:20 pm (9/13, 10/11, 11/1, 11/29) and a cumulative final examination (12/12 , 3pm – 5pm) will be administered. Exam locations will be announced during the lecture period before the exam. Each exam will consist of a mixture of multiple choice and free response questions. Any material covered prior to the exam date is eligible to appear on the exam. **The lowest 1 progress exam score is dropped**. The final exam score cannot be dropped.

Any and all exam grade disputes or Scantron confirmations must be performed within two weeks of the scheduled exam date. Scantron errors are non-negotiable and could result in loss of points. This includes form code errors, registry errors, and name and UF ID errors. Students may not use graphing or programmable calculators on exams. You may use scientific calculators with exponent capability. No other device may be used as a calculator (cell phones, iPods, etc.). No spare calculators will be available for use during exams, nor will spare batteries.

**MAKE-UP POLICY:** Conflict exams may be offered to students with another assembly exam at the same time in a course with a higher number than ours, or to students with well-documented, UF-approved reasons (https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx). Such exams are offered in advance of the scheduled exam. It is your responsibility to identify yourself as requiring such accommodation at least one full week prior to the exam. If you fail to do so, you may not be accommodated and the missed exam will be dropped. There are no make-up exams in general chemistry at University of Florida. Please refer to the official General Chemistry Exam Absence Policy available in Canvas (see the Syllabus page).

## ASSIGNMENT POLICY:

**1. MASTERINGCHEMISTRY HOMEWORK:** You will access MasteringChemistry homework directly from within Canvas. A MasteringChemistry electronic homework assignment will be due the night of the corresponding lecture, beginning as soon as drop/add ends. The assignment grading policy (late policy, etc.) is detailed in Canvas under the "Modules" section. Generally, assignments may be submitted late with a penalty of 10% per day late. The late penalty is assessed on a question-by-question basis; it is generally not advisable to "give up" on

a question in order to submit the assignment on time. All assignment scores will be considered final as soon as the final exam begins on 12/12 @ 3:00 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 available well in advance of their due dates. For technical help with MC, contact MC support (not the Help Desk or your instructor). **There are no "dropped grades" for any of these assignments.**

**2. DYNAMIC STUDY MODULES:** These study aid assignments can be found within MasteringChemistry. There are 7 such assignments, each equally weighted. **The lowest one of the 7 grades is dropped.** Each assignment is estimated to require 30 min to complete. These assignments have a specific grading policy (see the Modules section in Canvas) and cannot be submitted late – they are submitted as-is at their due dates/times.

**3. 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***. 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 <u>one</u> lowest discussion grades are dropped**.

**4. LEARNINGCATALYTICS:** We will be utilizing Learning Catalytics as a classroom response system in this course, beginning immediately after the Drop/Add period. You must bring a web-enabled device to each class to participate. You must answer each question correctly to receive full credit. **Points can be made up for incorrect answers, for absence, or for those without portable web-enabled devices on MasteringChemistry homework assignments <u>designated for this purpose</u>.** 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). Any "pop-quizzes" will be administered through LC. In some cases I may extend the LC poll so that the question may be finished after the day's lecture concludes if I see that more time would be beneficial to the students.

**5. PROBLEM SETS:** These will be uploaded to Canvas and can be found under the "Assignments" section. These problem sets will be graded and will **not be accepted late.** Students will need to upload their submissions as a PDF file to the assignment link in Canvas by following the instructions provided on the assignment. These problem sets are designed to help

walk you through how to approach a difficult question. Most of them are constructed using my old exam questions.

**COURSE TECHNOLOGY:** 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. 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. Note that the DRC requires advance notice to schedule accommodated exams.

**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 for 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

## 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). Grading disputes will not be addressed in person or by email. Any assignment/exam grade that is being disputed will be evaluated as a whole, meaning the score could go up or down and the new score is non-negotiable.

**GRADE DISTRIBUTION:**

1. MasteringChemistry Homework and Problem Sets (13%)
2. Progress Exams (4 exams = 45%)
3. Cumulative Final Exam (25%)
4. Discussion Boards (5%)
5. LearningCatalytics (or make-up MC homework assignments) (10%)
6. Dynamic Study Modules (lowest grade is dropped) (2%)

**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

**Please do not ask me to "bump your grade up" or ask for extra assignments/points at the end of the semester. The answer will be no. (No exceptions.) Also do not round your grade to the nearest whole number, the answer will also be no.

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.