INTRODUCTORY CHEMISTRY

CHM 1025, SECTION 6030

2 CREDITS

FALL 2015

INSTRUCTOR: Matt Burg

OFFICE HOURS: TBA

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

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, with the exception of the LearningCatalytics (clicker) questions you will do in class, and the make-up homework assignments for missed clicker questions. You should print this page, and cross off assignments as you complete them. At the top of the Syllabus page is a color-coded "study schedule." This is the schedule you should follow, of textbook readings, to complete the homework, clickers, and exams on schedule. This tells you exactly what will be covered in class each day. 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 can form a study group with other students in the class. Questions about any of this? Post to Piazza.

COURSE DESCRIPTION: CHM 1025, a two-credit course, is offered for students 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.

COREQUISITES: MAC 1147 or the equivalent.

COURSE COMMUNICATIONS: General course questions should be posted to Piazza in Canvas. The course TA or instructor will respond within 24 h during the work week (allow 48 h over the weekend). Non private/personal questions send via email will be posted and answered using Piazza so all students can benefit from the response. This is the best way to manage Q&A in such a large course. 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.). Private or grade-related questions should be sent to your instructor via the mail function in Canvas.

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.

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 (dates TBA) and a cumulative final examination will be administered. Each exam will consist of ~25 multiple choice 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.

Scantron errors are non-negotiable. 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 (the 'Start Here' section).

ASSIGNMENT POLICY:

1. MASTERINGCHEMISTRY "TUTORIAL"ASSIGNMENTS: You will access MasteringChemistry homework directly from within Canvas. A MasteringChemistry electronic homework assignment will be due the night of the corresponding lecture, beginning after Drop/Add (09/01). The MC assignment grading policy (late policy, etc.) is detailed in Canvas under the "Start Here" heading. 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 on the last day of term, Dec. 9th @ 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 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.**

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.

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 Start Here 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***. 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 <u>two</u> lowest discussion grades are dropped**. *Fair warning: Discussions 4 and 10 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.*

4. LEARNINGCATALYTICS: We will be utilizing LearningCatalytics 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. **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).

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, participation and grading 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 third written assignment requires 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 wish to use this as your dropped assignment. If that is the case, ensure you complete the other 3 assignments in their entirety.

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).

GRADE DISTRIBUTION:

1. MasteringChemistry tutorial assignments (9%)
2. Written Assignments (Peerceptiv) (3 best @ 2% each = 6%)
3. Progress Exams (best 3 out of 4 @ 15% each = 45%)
4. Cumulative Final Exam (25%)
5. Discussion Boards (best 8 @ 0.5% each = 4%)
6. LearningCatalytics (or make-up MC homework assignments) (8%)
7. Dynamic Study Modules (lowest grade is dropped) (2%)
8. Surveys and Syllabus Quiz (4 total @ 0.25% each = 1%)

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.