CHM1025 INTRODUCTORY CHEMISTRY

SPRING 2022

INSTRUCTOR INFORMATION

Instructor	Email/Office/Phone	Preferred Contact
Ms. Held	Email in Canvas and aheld@ufl.edu	Email only; Office hour times posted in Canvas

TEACHING ASSISTANT/UNDERGRADUATE TAS

Graduate TA: Tyler Wager. Contact via Canvas email; Office hours posted in Canvas
Undergraduate TAs: Jessica Nower, Emily Winter, Donna Nesselroth, and Chadine Tammame. See Canvas for details. Office hours posted in Canvas.
Broward Teaching Center offers free virtual tutoring assistance. See their website for details.
Knack Tutoring information can be found here.

COURSE DELIVERY/MEETING TIMES

This course meets in CLB C130 TR per 4.

COVID STATEMENT

In response to COVID-19, the following practices are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- If you are not vaccinated, get vaccinated. Vaccines are readily available at no cost and have been demonstrated to be safe and effective against the COVID-19 virus. Visit this link for details on where to get your shot, including options that do not require an appointment: https://coronavirus.ufhealth.org/vaccinations/vaccine-availability/. Students who receive the first dose of the vaccine somewhere off-campus and/or outside of Gainesville can still receive their second dose on campus.

- You are expected to wear approved face coverings at all times during class and within buildings even if you are vaccinated. Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.
    - Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
    - Hand sanitizing stations will be located in every classroom.

- If you sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email covid@shcc.ufl.edu) to be evaluated for testing and to receive further instructions about returning to campus. UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the UF Health Screen, Test & Protect website for more information.
    - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.

- If you are withheld from campus by the Department of Health through Screen, Test & Protect you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.

- Continue to regularly visit coronavirus.UFHealth.org and coronavirus.ufl.edu for up-to-date information about COVID-19 and vaccination.

GENERAL INFORMATION

COREQUISITES

MAC1147 or the equivalent is a published co-requisite. Refer to the Course Catalog for math requirements to continue in general chemistry sequence. The math requirement of a C or higher in MAC1147 or the equivalent or higher is strictly enforced for CHM2045. A C or higher in CHM1025 is also required for progression to CHM2045, no matter the ALEKS math placement score.

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)

FIRST DAYS

Log into Canvas and access the course. You should check daily for new *Announcements* and/or emails containing important information and reminders.
Click on the *Syllabus* tab to review the due dates for all assignments for the entire term.
Click on *Modules* and read all of the information under the *Settling In* section. Many of your questions are answered there. You have introductory assignments due on Jan 13 over this information (see the *Settling In* module for these assignments).

COURSE MATERIALS

TEXTBOOK

A significant portion of your grade stems from electronic homework (ALEKS) associated with an ebook (*Introduction to Chemistry*, Bauer, Birk and Marks, 5th ed., McGraw-Hill). ALEKS also has its own "textbook," the ALEKSPEDIA; the textbook for this course, however, is the Bauer text.
You can purchase one of two access codes for ALEKS. 1: The first includes ALEKS homework and the ebook of Bauer, Birk & Marks. 2: The second includes only the ALEKS homework for the course and the ALEKSPEDIA reference material, and is not available at the UF Bookstore.
This course is participating in UF All Access. Beginning the first day of the semester students can opt in to consent to have the purchase price charged to your student account. Alternatively, you can purchase an access code for the materials at the UF Bookstore. The opt-in code is the comprehensive package (ALEKS homework and the ebook of Bauer, Birk & Marks).
To opt in, navigate to: https://bsd.ufl.edu/allaccess. Click the "Opt In" tab or view the "View Eligible UF All Access Classes" button. You will be prompted to log in using Gatorlink credentials. Follow the prompt to authorize charges to your student account. The access code will then be provided. Copy the access code to your clipboard. In the Canvas course, click on Modules, then select the link to *ALEKS - Science* to join the ALEKS course. Provide the access code when prompted to do so. If you have any questions about the authorization process or refunds contact allaccess@bsd.ufl.edu.
A paperback version of the text is completely optional. The bookstore may stock paper versions of the text, or you can order one directly through ALEKS. A paper version is on reserve at the Marston Science Library for reference purposes.
See the ALEKS page in Canvas (Modules>ALEKS, under the *Settling In* section) for a walkthrough video for instructions on viewing the textbook and general navigation tips within ALEKS.

COURSE TECHNOLOGY

All UF students are expected to have reliable access to a computer. Computers are available on campus for student use. Google Chrome may be required for some assignments. Check the support page for ALEKS for technical support using their platform: https://mhedu.force.com/aleks/s/.

COURSE COMMUNICATIONS

GENERAL QUESTIONS

General course questions should be posted to the Q&A Discussion boards in Canvas. The instructor/TA response time is <48 h during the work week.
We encourage you to post questions related to ALEKS homework or end of chapter questions you're working on to the Q&As. 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 solution you propose. The more information you provide, the easier it is for your instructor/TA/another student to help.

PRIVATE OR GRADE-RELATED QUESTIONS

Direct these to your instructor via the mail function in Canvas. Do not email outside of Canvas to your instructor's external email address – we are not permitted to discuss grade related questions outside of Canvas. You will be asked to resend the query through Canvas.

COURSE POLICIES

SYLLABUS QUIZZES/SURVEYS/ALEKS FAQ QUIZ

You can submit these assignments late, with a 25% penalty per day submitted late. Make sure to open and submit the quizzes *for all attempts* prior to the due date to avoid the late penalty. Note that even 1 s past the due date counts as an entire day late.

PROGRESS EXAMS

Three progress exams and one cumulative final exam are administered as assembly during term exams. Each exam is 2 h in duration and is necessarily cumulative in nature.
Progress (during term) exams are scheduled in the evening, between 8:20 pm – 10:20 pm EST.

Exam dates are: Exam 1: Jan. 27; Exam 2: Mar. 3; Exam 3: Apr. 7.

These are assembly during term exams, and take scheduling priority over other exams and classes you may be enrolled in.

Exam questions are primarily multiple choice, but may include matching, multiple answer, or fill in the blank questions.

PROGRESS EXAM "AVERAGE/REPLACE" POLICY

This applies to all students. No progress exam score will be dropped for any reason. To alleviate the stress of potential issues that do not fall under officially sanctioned absences, we have incorporated an "average/replace' policy: the lowest of the three progress exams will be replaced by the average of the three progress exams. This policy helps to minimize the impact of a single poor performance (it will not disappear, but will be minimized). For example, if a student scores the following on their three progress exams: 0%, 65%, 80%, the 0% would be replaced with the average of 0, 65 and 80, which is 48%. That is a much better score than a 0.

FINAL EXAM

The final exam for CHM1025 is scheduled during finals week, Monday Apr. 25, 7:30am – 9:30am. It will be administered in-person, the location TBA.

QUIZ/EXAM QUESTION DISPUTES

If you believe you have found an error on a quiz/exam or would like to dispute a question, the deadline for doing so is within 72 h of a quiz/exam or 24 h after the final exam. Email your instructor through Canvas email or make a submission comment on the quiz/exam.

ASSIGNMENT POLICY

ALEKS OBJECTIVES

Access the electronic homework and ebook directly from within Canvas by navigating to Modules > *ALEKS Science*. A significant portion of your grade stems from on-time completion of equally weighted *ALEKS Objectives*. Whatever percentage of the topics you complete on time within an objective will count for credit – i.e. if you complete 7 of 10 topics within a particular objective assignment you will earn 70% credit for that objective, or 7/10 points for that objective. The average completion time is approximately 3 topics/h, system-wide in the ALEKS system. Plan your time accordingly.

ALEKS is set up in a specific manner – you will need to complete some topics in order to proceed to the next topic, as topics and concepts in chemistry build on one another. There isn't a way to disable this setting. You are encouraged to work on assignments early and frequently for short periods of time, no more than 2 or 3 h at a sitting.

Due to the way *ALEKS Objectives* are set up, with students working on prescribed topics during set times, it can be problematic for the student to extend due dates. If you have a legitimate reason for an extension on an ALEKS assignment (see the University Attendance Policy: https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/), reach out to your instructor via email through Canvas. Documentation is required. Up to two missed objectives for documented and approved reasons (i.e. documented illness, etc.) will be handled by marking them with "EX" in the Canvas gradebook. This will weight your other graded objective scores more heavily in your final course grade. If more than two are missed, due date extensions will be made for the 3rd and subsequent missed assignments (this should be rare). Even though the individual assignment grades may be excused, you will still need to complete the topics contained in the assignments to earn full credit on your *ALEKS Pie*. You can do this whenever you are in Open Pie mode. Students are in Open Pie whenever they complete an ALEKS objective prior to the due date. Regular Open Pie periods are also scheduled during advertised times.

The two lowest *ALEKS Objectives* grades are dropped from your overall course grade.

ALEKS PIE

A significant portion of your grade stems from completion of your *ALEKS Pie* by the last day of classes (11:59 pm Apr. 20). The work you do on *ALEKS Objectives* counts towards this goal. You can catch up or work ahead on your pie progress during *Open Pie* periods. Whenever you complete an *ALEKS Objective* before its due date/time you also will enter *Open Pie* mode. Pie progress is calculated as (# topics completed/total # topics) * 100%. The pie progress % you view in ALEKS is a good estimate of this, but the precise value according to the calculation above is used in your grade calculation in Canvas.

Additional information regarding ALEKS is provided in the *Settling In* section in Canvas. Contact ALEKS support for tech help with ALEKS or for grading disputes. Their support staff is very responsive.

You can work on your *ALEKS Pie* progress for credit until 11:59 pm the last day of term, Apr. 20.

PROBLEM SETS

After most lectures, a problem set will become available on Canvas that covers the topics discussed in that lecture. **The problem sets for each unit are due on the day of that unit's progress exam at 11:59pm. Problem sets are NOT available to work on after their due date has passed**. Make sure to open and submit the quizzes prior to the due date. **The problem sets are primarily meant for you to study for exams and keep up with the material!** You have 10 attempts on each problem set, and several of the questions will change slightly with each attempt. **It is recommended that you keep up with problem sets as they become available, that you use the problem sets to study for the exams, and that you do the problem sets multiple times.** Canvas will keep your highest score, so don't worry about ruining a 100% by doing it again. If you use up all of your attempts on a problem set, email the instructor or graduate TA, and they will give you more.

HOMEWORK QUIZZES

Each progress exam has an associated homework quiz that will become available 1 week prior to the progress exam and is **due at 11:59pm on the day of the exam. Homework quizzes are NOT available**

to work on after their due date has passed. Make sure to open and submit the quizzes prior to the due date. You have 5 attempts on each homework quiz, but if you need more email the instructor or the graduate TA and they will give you more. Canvas will keep the highest score out of all of the attempts. Several of the questions will change slightly with each attempt. Homework quizzes can be used for studying, but it is recommended that the problem sets be used for studying over the homework quizzes.

OPTIONAL WORKSHEETS

There are several optional worksheets that will become available as the course proceeds. These are not required and are not for a grade, but are extra study material. After most lectures, the optional worksheet that goes with it will become available in the *Optional Worksheets* module on Canvas, and the key for the worksheet will be posted the next day.

SURVEYS

Occasionally throughout the semester I may want to make a poll to gauge popular opinion on something. Most typically this is in the form of review day polls. Before each progress exam and before the final, there are review days, and a poll will go up where you can vote on what topic we talk about. **Surveys will ALWAYS be optional and not for a grade**, but if you care about the outcome of the results, you should take them.

ATTENDANCE, EXTENSION REQUESTS

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

Exam absences will be handled in accordance with official UF academic regulations. For more information, see https://catalog.ufl.edu/UGRD/academic-regulations/. See below for further clarification for two different types of situations.

(1) Conflicts with other events: this should be rare, as CHM1025 proctored exams are considered evening assembly exams and thus take priority over other examinations. You should plan accordingly. Such reasons may include religious holidays, military obligations, special curricular requirements (e.g., attending professional conferences), or participation in official UF-sanctioned activities such as athletic competitions, etc. For more information on such absences see the official UF Policy at https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/#absencestext). If you must be absent for an exam due to a documented and approved conflict known in advance, you must e-mail your instructor (within Canvas) the documentation at least one week prior to the scheduled exam and an **early conflict exam** (i.e. before the regular exam date) will be scheduled for you.

(2) Missing an exam due to an emergency or sudden illness: If you are absent for an exam due to an unpredicted documented medical reason or family emergency, you must contact the instructor as soon as possible, and you may be asked to have your excuse verified by the Dean of Students Office (DSO). Your instructor will follow UF academic regulations in evaluating the notification and/or documentation received from you or from the DSO on your behalf. Once your instructor is satisfied with the validity of your exam absence a make-up exam will be scheduled after a reasonable amount of time, i.e., before the end of the semester. If your documentation is deemed insufficient to excuse your absence you will receive a zero on the missed exam.

GRADING

GRADE POLICY

Should a student wish to dispute any grade received in this class, the dispute must be in writing and be submitted to the instructor within 72 h of receiving the grade, or within 24 h of the Final Exam.

There is no extra credit available for this course. Grades are rounded at the end of term within 0.5% (example: 89.50 rounds to 90 but 89.49 does not). Exam grades or course grades are not curved. Take care to complete each assignment prior to its advertised due date and to submit assignments as directed. Contact the UF Help Desk for help as needed with Canvas.

Assignments weights are as follows:

Assignment Group	Weight %
ALEKS Objectives	8%
ALEKS Pie Progress	8%
Homework quizzes	4%
Progress Exams (3 @ 15% each; consider average/replace policy)	45%
Cumulative Final Exam	25%
Problem sets	10%

Grade scale (note: there is no rounding to your score in Canvas):

Letter	A	A-	B+	B	B-	C+	C	D+	D	D-	E
Cutoff	90.0	86.0	83.0	80.0	77.0	73.0	69.0	66.0	63.0	60.0	< 60.0

UNIVERSITY POLICIES

STUDENTS REQUIRING ACCOMMODATIONS

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting disability.ufl.edu/students/get-started. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

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

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."

IN-CLASS RECORDING

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor. A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session. Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide

access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Lectures are automatically recorded and uploaded to a mediasite link that can be found on Canvas.

CAMPUS RESOURCES

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit U Matter, We Care website to refer or report a concern and a team member will reach out to the student in distress.
Counseling and Wellness Center: Visit the Counseling and Wellness Center website or call 352-392-1575 for information on crisis services as well as non-crisis services.
Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the Student Health Care Center website.
University Police Department: Visit UF Police Department website or call 352-392-1111 (or 9-1-1 for emergencies).
UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the UF Health Emergency Room and Trauma Center website.
GatorWell Health Promotion Services: For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the GatorWell website or call 352-273-4450.

ACADEMIC RESOURCES

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.
Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
Library Support: Various ways to receive assistance with respect to using the libraries or finding resources.
Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
Student Complaints On-Campus: Visit the Student Honor Code and Student Conduct Code webpage for more information.
On-Line Students Complaints: View the Distance Learning Student Complaint Process.

FEEDBACK

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

NETIQUETTE

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats. A detailed guide is posted under the *Settling In* section in Canvas.

GETTING HELP

For issues with or technical difficulties with Canvas, contact the UF Help Desk: https://lss.at.ufl.edu/help.shtml; (352)-392-HELP.
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, and library desk support.

GENERAL EDUCATION

This course satisfies the General Education requirement in the Physical Sciences.
A minimum grade of C is required for general education credit.

PHYSICAL SCIENCE GENERAL EDUCATION PROGRAM OBJECTIVES

Physical science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the physical sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern physical systems. Students will formulate empirically-testable hypotheses derived from the study of physical processes, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.
These objectives are accomplished through participation in the course, and individual work done on homework assignments and assessments.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES

Area	Institutional Definition	Institutional SLO
CONTENT	Content is knowledge of the concepts, principles, terminology and methodologies used within the discipline.	Students demonstrate competence in the terminology, concepts, methodologies and theories used within the discipline.
COMMUNICATION	Communication is the development and expression of ideas in written and oral forms.	Students communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the discipline.
CRITICAL THINKING	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems.

Naturally, all three areas of learning outcomes will be assessed in all categories of graded assignment administered in CHM1025.

SPECIFIC GOALS OF CHM1025

You will be required to analyze scientific concepts and think critically. This means being able to answer both quantitative (mathematical) and conceptual (qualitative) problems in a limited period of time. Additionally, you will have to write and/or orally communicate on discussion assignments, written assignments, and in discussion with your instructor/TA. We will also demonstrate how these topics can be applied to the scientific method and how observation and experimentation leads us to the development of scientific theories. You will be required to utilize the methods of science as a logical means of problem solving through critical thinking. This means you must analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems. To ensure your competency in these concepts you will be required to complete quizzes and assignments that require critical thinking, analysis of problems, and drawing conclusions.

COURSE LEARNING OUTCOMES

A complete list of student learning outcomes is posted in Canvas within each Overview page.

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.

TENTATIVE SCHEDULE

Changes to homework dates will be advertised in class and via Announcement in Canvas. Exam dates will not change.

Monday	Tuesday	Wednesday	Thursday	Friday
Jan 3	Jan 4	Jan 5	Jan 6 • Course intro (syllabus; course expectations) • Begin Basics	Jan 7
Jan 10	Jan 11 • Finish Basics • Atoms • Problem set 1 opens • Basics WS (optional) • Atoms WS (optional)	Jan 12 • Key for Basics WS posted • Key for atoms WS posted	Jan 13 • Numbers part 1 • Problem set 2 opens • Sig figs and conversions WS (optional) • Introductory quizzes **due 11:59pm** in Canvas	Jan 14 • ALEKS Prerequisite Review **due 11:59pm** • ALEKS set 1 opens (must complete prereq review first)
Jan 17 Holiday	Jan 18 • Naming part 1 (binary, diatomics) • Problem set 3 opens • Naming 1 WS (optional); posted with key	Jan 19	Jan 20 • Numbers part 2 • Problem set 4 opens • Density/temp conversions WS (optional) • Energy WS (optional) • HWQ1 opens	Jan 21 • Key for density/temp WS posted • Key for energy WS posted
Jan 24	Jan 25 • Naming part 2 (polyatomic, organic) • Problem set 5 opens Naming 2 WS (optional); posted with key	Jan 26	Jan 27 **Exam 1** • HWQ 1 **due 11:59pm** • Problem sets 1-4 **due 11:59pm** • ALEKS open pie mode • In class: review	Jan 28

Jan 31	Feb 1 • Reactions part 1 • Problem set 6 opens • Reactions part 1 WS posted (optional)	Feb 2 • Key for Reactions part 1 WS posted	Feb 3 • Reactions part 2 • Problem set 7 opens • Reactions part 2 WS posted (optional) • Redox WS posted (optional)	Feb 4 • Key for Reactions part 2 WS posted • Key for Redox WS posted
Feb 7	Feb 8 • Moles and stoichiometry • Problem set 8 opens • Moles WS posted (optional)	Feb 9 • Key for moles WS posted	Feb 10 • Limits and yields • Problem set 9 opens • Limits and yields WS posted (optional)	Feb 11 • Key for limits and yields WS posted
Feb 14	Feb 15 • Composition of compounds • Problem set 10 opens • Composition WS posted (optional)	Feb 16 • Key for composition WS posted	Feb 17 • Enthalpy • Start waves • Problem set 11 opens • Enthalpy WS (optional) • Waves WS (optional)	Feb 18 • Key for enthalpy WS posted • Key for waves WS posted
Feb 21	Feb 22 • Finish waves • Start orbitals and electron configurations • Problem set 12 opens	Feb 23	Feb 24 • Orbitals and electron configurations cont. • Problem set 13 opens • Orbitals and e^- configs. WS (optional) • HWQ2 opens	Feb 25 • Key for orbitals/e-config WS posted

Feb 28	Mar 1 • Review/flex day	Mar 2	Mar 3 **Exam 2** • HWQ2 **due 11:59pm** • Problem sets 5-13 **due 11:59pm** • ALEKS open pie mode • In class: review	Mar 4
Mar 7 Spring break	Mar 8 Spring break	Mar 9 Spring break	Mar 10 Spring break	Mar 11 Spring break
Mar 14	Mar 15 • Lewis structures • Problem set 14 opens • Lewis structures WS posted (optional)	Mar 16 • Key for Lewis/geometry WS posted	Mar 17 • Molecular geometry • Problem set 15 opens • Geometry WS (optional)	Mar 18 • Key for geometry WS posted
Mar 21	Mar 22 • Functional groups, polarity, and intermolecular forces • Problem set 16 opens	Mar 23	Mar 24 • Functional groups, polarity, and intermolecular forces cont. • FGs, polarity, IMFs WS posted (optional)	Mar 25 • Key to FGs, polarity, IMFs WS posted
Mar 28	Mar 29 • Solutions part 1 • Problem set 17 opens	Mar 30	Mar 31 • Solutions part 2 • Problem set 18 opens • Solutions WS posted (optional) • HWQ3 opens	Apr 1 • Key to solutions WS posted

Apr 4	Apr 5 • Review/flex day	Apr 6	Apr 7 **Exam 3** • HWQ3 **due 11:59pm** • Problem sets 14-18 **due 11:59pm** • ALEKS open pie mode • In class: review	Apr 8
Apr 11	Apr 12 • Acids and bases • Problem set 19 opens • Acids and bases WS (optional); posted with key.	Apr 13	Apr 14 • Final exam review • Problem set 20 opens (course survey)	Apr 15
Apr 18	Apr 19 • Final exam review	Apr 20 • Problem sets 19-20 **due 11:59pm**	Apr 21 Reading day	Apr 22 Reading day

Final exam on Monday, Apr. 25, 7:30 am – 9:30 am. Location TBA.