

CHM1025 INTRODUCTORY CHEMISTRY

FALL 2021

INSTRUCTOR INFORMATION

Instructor	Email/Office/Phone	Preferred Contact
Ms. Held	Email in Canvas only xxx	Email only; Zoom office hour times posted in Canvas

TEACHING ASSISTANT/UNDERGRADUATE TAs

Graduate TA: contact via Canvas email; Zoom office hours posted in Canvas

Undergraduate TAs (Zoom office hours posted in Canvas): see Canvas for details.

[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)

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.

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 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 rooms will be announced prior to each exam, both in class and via course Announcement. Exam dates are: Exam 1: Sept. 21; Exam 2: Oct. 21; Exam 3: Nov. 18. These are assembly during term exams, and take scheduling priority over other exams and classes you may be enrolled in.

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, Saturday Dec. 11, 10 am - 12 pm. Room 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 Dec. 8th). 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, Dec. 8th.

ALEKS HOMEWORK SETS

There are four ALEKS Homework Sets (these are unique from the Objectives and do not count towards your Pie Progress) based on the most math-heavy portions of the course to give you additional required practice. Each set is due prior to the relevant exam. Questions within each set can be done as many times as needed until the question is marked correct. Homework sets can be turned late for reduced credit (-25% per day late). Homework Set #4 cannot be turned in late as it is due the last day of term. The one lowest Homework Set grade is dropped from your overall course grade.

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 not rounded at the end of term. 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	10%
Homework quizzes	6%
Progress Exams (3 @ 15% each; consider average/replace policy)	45%
Cumulative Final Exam	25%
Problem sets	6%

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.

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
Aug 23	24 <ul style="list-style-type: none"> Course intro (syllabus; course expectations) Begin Basics 	25	26 <ul style="list-style-type: none"> Finish Basics All Things Atoms Problem set 1 opens 	27
30	31 <ul style="list-style-type: none"> Introductory quizzes due 11:59pm in Canvas Numbers part 1 Problem set 2 opens Sig figs and conversions WS (optional) 	Sep 1 <ul style="list-style-type: none"> Key for sig figs WS posted ALEKS Prerequisite Review due 11:59pm ALEKS set 1 opens (must complete prereq review first) 	2 <ul style="list-style-type: none"> Naming (binary, diatomics) Problem set 3 opens Naming 1 WS (optional); posted with key 	3

6 Holiday	7 <ul style="list-style-type: none"> ALEKS set 1 due 11:59pm Numbers part 2 Problem set 4 opens Density/temp conversions WS (optional) Energy WS (optional) 	8 <ul style="list-style-type: none"> Key for density/temp WS posted Key for energy WS posted 	9 <ul style="list-style-type: none"> Naming—polyatomic and organic Problem set 5 opens Naming 2 WS (optional); posted with key 	10
13 <ul style="list-style-type: none"> ALEKS set 2 due 11:59pm 	14 <ul style="list-style-type: none"> Reaction types part 1 Problem set 6 opens Reactions WS (optional) HWQ1 becomes available 	15 <ul style="list-style-type: none"> Key for Reactions WS posted 	16 <ul style="list-style-type: none"> Review/flex day 	17
20 <ul style="list-style-type: none"> ALEKS set 2 part 2 due 11:59pm Problem sets 1-6 due 11:59pm	21 <p style="text-align: center;">Exam 1</p> <ul style="list-style-type: none"> HWQ 1 due 10:00am ALEKS open pie mode In class: review 	22	23 <ul style="list-style-type: none"> Reaction types part 2 Problem set 7 opens Reactions and solubility WS (optional) 	24 <ul style="list-style-type: none"> Key for reactions and solubility WS posted
27	28 <ul style="list-style-type: none"> Moles and stoichiometry Problem set 8 opens Moles WS (optional) 	29 <ul style="list-style-type: none"> Key for moles WS posted 	30 <ul style="list-style-type: none"> Limiting reagents and percent yield Problem set 9 opens Limits and yields WS (optional) 	Oct 1 <ul style="list-style-type: none"> Key for limits and yields WS posted

4	5 <ul style="list-style-type: none"> ALEKS set 3 due 11:59pm Composition of compounds Problem set 10 opens Composition WS (optional) 	6 <ul style="list-style-type: none"> Key for composition WS is posed 	7 <ul style="list-style-type: none"> Enthalpy Waves Problem set 11 opens Enthalpy WS (optional) Waves WS (optional) 	8 <ul style="list-style-type: none"> Key for enthalpy WS posted Key for waves WS posted
11	12 <ul style="list-style-type: none"> Orbitals and electron configurations Problem set 12 opens 	13	14 <ul style="list-style-type: none"> Orbitals and electron configurations cont. Problem set 13 opens Orbitals and e⁻ configs. WS (optional) HWQ2 becomes available 	15 <ul style="list-style-type: none"> Key for orbitals/e-config WS posted
18	19 <ul style="list-style-type: none"> ALEKS set 4 due 11:59pm Review/flex day 	20 <ul style="list-style-type: none"> Problem sets 7-13 due 11:59pm 	21 <p>Exam 2</p> <ul style="list-style-type: none"> HWQ2 due 10:00am ALEKS open pie mode In class: review 	22
25	26 <ul style="list-style-type: none"> Lewis structures Problem set 14 opens Lewis structures WS (optional) 	27 <ul style="list-style-type: none"> Key for Lewis/geometry WS posted Functional groups, polarity, and intermolecular forces 	28 <ul style="list-style-type: none"> Molecular geometry Problem set 15 opens Geometry WS (optional) 	29 <ul style="list-style-type: none"> Key for geometry WS posted

Nov 1	2 <ul style="list-style-type: none"> Functional groups, polarity, and intermolecular forces Problem set 15 opens FGs, polarity, IMFs WS (optional) 	3 <ul style="list-style-type: none"> Key to FGs, polarity, IMFs WS posted 	4 <ul style="list-style-type: none"> ALEKS set 5 due 11:59pm Solutions part 1 Problem set 16 opens Solutions part 1 WS (optional) 	5 <ul style="list-style-type: none"> Key to solns part 1 WS posted
8	9 <ul style="list-style-type: none"> Solutions part 2 Problem set 17 opens Solutions part 2 WS (optional) 	10 <ul style="list-style-type: none"> Key to solutions part 2 WS posted HWQ3 is available 	11 Holiday	12
15 ALEKS set 6 due 11:59pm	16 <ul style="list-style-type: none"> Review/flex day 	17 <ul style="list-style-type: none"> Problem sets 14-17 due 11:59 pm 	18 Exam 3 <ul style="list-style-type: none"> HWQ3 due 10:00 am ALEKS open pie mode In class: review 	19
22	23 <ul style="list-style-type: none"> Acids and bases Problem set 18 opens Acids and bases WS (optional) 	24 Key to acids and bases WS posted	25 <ul style="list-style-type: none"> Gases Problem set 19 opens NO gases WS 	26
29	30 <ul style="list-style-type: none"> Titrations NO problem set NO WS 	Dec 1	2 <ul style="list-style-type: none"> Final exam review 	3
6 <ul style="list-style-type: none"> ALEKS set 7 due 11:59pm 	7 <ul style="list-style-type: none"> Final exam review 	8	9 Reading day	10 Reading day

Final exam on Saturday, Dec. 11, 10 am – 12 pm. Location TBA.