

CHM1025 INTRODUCTORY CHEMISTRY

SUMMER B 2022

INSTRUCTOR INFORMATION

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

TEACHING ASSISTANT/UNDERGRADUATE TAS

Graduate TA: Juan Sanfiel. See Canvas for details. Office hours posted in Canvas.

Undergraduate TA: Donna Nesselroth and Chloe Quintero. 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 FLI 0050 MTWF per 6 (3:30-4:45pm).

COURSE FEES

Additional Course Fees: \$1.00

A NOTE ABOUT THE CONDENSED SUMMER B TERM

This is the same course students complete over 16 weeks each fall and spring term, condensed into a 6-week period. You can expect the pace and workload of the course to be correspondingly intense. The course material and tasks are identical to those completed over 16 weeks.

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.

COURSE DESCRIPTION/GOALS

CHM1025, 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)

By the end of the course, students will be able to interpret tables of data and graphs of various forms, and students will be competent in using mathematics to solve problems in chemistry. Students will be able to understand concepts related to atomic and molecular structure, and relationships between heat and energy. Students will be able to describe the basic model of the atom, and explain theories of chemical equations, and to use the concept of the mole in quantitative calculations. Students will be able to apply these principles to solve problems in a variety of contexts.

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 Jun 30 over this information (see the *Settling In* module for these assignments).

GENERAL EDUCATION OBJECTIVES AND LEARNING OUTCOMES

Primary General Education Designation: Physical Sciences (P) ([area objectives available here](#))

A minimum grade of C is required for general education credit. Courses intended to satisfy the general education requirement cannot be taken S/U.

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.

In Introduction to Chemistry, these objectives will be met in a variety of ways detailed below.

At the end of the course, students will be expected to have achieved the following learning outcomes in content, communication, and critical thinking:

Content: *Students demonstrate competence in the terminology, concepts, theories and methodologies used within the discipline.* Students will acquire a basic knowledge of a variety of chemistry concepts including terminology describing chemical reactions, stoichiometry, and mathematical concepts (SI units, compound and derived units, significant figures, etc.). Students will become familiar with major scientific discoveries, and with the scientific method and problem solving strategies. Achievement of this learning outcome is assessed by online homework and in the course of completing quizzes and exams.

Communication: *Students communicate knowledge, ideas, and reasoning clearly and effectively in written and oral forms appropriate to the discipline.* Students participate in asynchronous class discussions throughout the semester to discuss methods of problem solving and to clarify challenging topics. Achievement of this learning outcome is encouraged and developed by written communication with the student in the form of email and on discussion boards, and by use of discipline-specific language in instructor/TA office hours. Achievement is assessed as a matter of course in online homework problems and on quizzes and exams.

Critical Thinking: *Students analyze information carefully and logically from multiple perspectives, using discipline-specific methods, and develop reasoned solutions to problems.* Students solve a variety of problems in different formats as a course of regular weekly online homework, and on quizzes and exams. Achievement of this learning outcome is largely assessed by homework, quizzes, and exams.

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 that includes ALEKS homework and the ebook of Bauer, Birk & Marks, from 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 one second past the due date counts as an entire day late.

PROGRESS EXAMS

Three progress exams are administered during class periods. Each exam is 75 min in duration and is necessarily cumulative in nature. Progress exams are scheduled to occur between 3:30-4:45 EST (class period) in FLI 50 (regular classroom). Progress exam 3 will be cumulative across the entire course and will serve as a final exam.

Exam dates are: **Exam 1: Jul 8; Exam 2: Jul 22; Exam 3: Aug 5.**

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

****See the UF handbook for appropriate reasons to reschedule an exam. Personal travel does not fall under this umbrella. See the "Attendance, Extension Requests" section of this syllabus for more information.*

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.

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. 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 (all day on exam days)

The two lowest ALEKS Objectives grades are dropped from your overall course grade, but the topics still count toward your pie progress assignment!

ALEKS PIE

A significant portion of your grade stems from completion of your *ALEKS Pie* by the last day of classes (11:59pm Aug 5). 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.

You can work on your ALEKS Pie progress for credit until 11:59pm the last day of term, Aug 5.

ALEKS KNOWLEDGE CHECKS

Periodically, ALEKS will have you take a knowledge check. Think of them as progress checks—they tell ALEKS what topics you know and what topics you may need to review. The first knowledge check is the initial knowledge check, which must be taken before you can start the first ALEKS assignment! The purpose of the initial knowledge check is to determine what topics you already know and therefore don't need to learn. You will get another knowledge check after set 2 and another after set 4. The purpose of these is to determine what old topics you may have previously learned but now need to review. Any topics that you need to review will then be removed from your pie progress, and you'll need to re-learn the topic in order to get it back. You may see your previous ALEKS objectives scores change within ALEKS if you lose an old topic, but your scores WILL NOT change in Canvas. **Take knowledge checks seriously!** Don't try to skip or hurry through them. Any questions over a topic in a

knowledge check that you get wrong will remove that topic from your progress, and then you'll have to redo the topic later. **Skipping through knowledge checks will just create more work for yourself!**

The ALEKS and Canvas gradebooks will sync after each due date has passed, so when you finish an objective, you will not see the score in Canvas until after the due date has passed.

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. Please note that if ALEKS is behaving strangely, I will not know how to help you, and you should instead reach out to ALEKS support.

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 at the start of that unit's exam, meaning at 3:30pm on the day of the exam.** 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 15 attempts on each problem set, and several of the questions will change slightly with each attempt. Having problem sets that change with each attempt allows for a large supply of practice/study questions. **It is highly 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 several days 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. 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 alongside it.

SURVEYS

Occasionally throughout the semester I may want to make a poll to gauge popular opinion on something. **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 administered during our regularly scheduled class time. 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	10%
ALEKS Pie Progress	5%
Homework quizzes	8%
Problem sets	17%
Progress Exams (3 @ 20% each; consider average/replace policy)	60%

Grade scale:

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 <https://disability.ufl.edu/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.bluer.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.

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. Note that the due dates of assignments are subject to change, but that scheduled exams are not. Assignments due are highlighted in red. All times are EST.

Monday	Tuesday	Wednesday	Thursday	Friday
June 27 <ul style="list-style-type: none"> Course intro Basics Atoms Problem set 1 opens up Basics WS (optional) Atoms WS (optional) 	June 28 <ul style="list-style-type: none"> Numbers pt 1 Problem set 2 opens Sig figs and conversions WS (optional) 	June 29 <ul style="list-style-type: none"> Naming pt 1 (binary, diatomics) Problem set 3 opens Naming 1 WS (optional) 	June 30 <ul style="list-style-type: none"> ALEKS prerequisite review is due 11:59pm Introductory quizzes in Canvas due 11:59pm 	July 1 <ul style="list-style-type: none"> Numbers pt 2 Problem set 4 opens Density/temp conversions WS (optional) Energy WS (optional)
July 4 Holiday	July 5 <ul style="list-style-type: none"> Naming pt 2 Problem set 5 opens HWQ1 opens Naming 2 WS (optional) 	July 6 <ul style="list-style-type: none"> Reactions pt 1 Problem set 6 opens Reactions 1 WS (optional) 	July 7 <ul style="list-style-type: none"> ALEKS set 1 due 11:59pm 	July 8 <p>Exam 1 in class</p> <ul style="list-style-type: none"> Open pie mode in ALEKS Problem sets 1-6 due BY CLASS TIME (3:30pm) HWQ1 due 11:59pm
July 11 <ul style="list-style-type: none"> Reactions pt 2 Problem set 7 opens Reactions pt 2 WS (optional) Redox WS (optional) 	July 12 <ul style="list-style-type: none"> Moles and stoichiometry Problem set 8 opens Moles WS (optional) 	July 13 <ul style="list-style-type: none"> Limits and yields Problem set 9 opens Limits and yields WS (optional) 	July 14 <ul style="list-style-type: none"> ALEKS set 2 due 11:59pm 	July 15 <ul style="list-style-type: none"> Composition of compounds Problem set 10 opens Composition WS (optional)
July 18 <ul style="list-style-type: none"> Enthalpy Start waves Problem set 11 opens Enthalpy WS (optional) Waves WS (optional) 	July 19 <ul style="list-style-type: none"> Finish Waves Start orbitals and electron configurations Problem set 12 opens HWQ2 opens 	July 20 <ul style="list-style-type: none"> Finish orbitals and electron configurations Problem set 13 opens Orbitals and e-configs WS (optional) 	July 21 <ul style="list-style-type: none"> ALEKS set 3 due 11:59pm 	July 22 <p>Exam 2 in class</p> <ul style="list-style-type: none"> Open pie mode in ALEKS Problem sets 7-13 due BY CLASS TIME (3:30pm) HWQ2 due 11:59pm

<p>July 25</p> <ul style="list-style-type: none"> • Lewis structures • Problem set 14 opens • Lewis structures WS (optional) 	<p>July 26</p> <ul style="list-style-type: none"> • Molecular geometry • Problem set 15 opens • Geometry WS (optional) 	<p>July 27</p> <ul style="list-style-type: none"> • Functional groups, polarity, and intermolecular forces • Problem set 16 opens 	<p>July 28</p> <ul style="list-style-type: none"> • ALEKS set 4 due 11:59pm 	<p>July 29</p> <ul style="list-style-type: none"> • Functional groups, polarity, and IMFs cont. • FGs, polarity, and IMFs WS (optional)
<p>August 1</p> <ul style="list-style-type: none"> • Solutions pt 1 • Problem set 17 opens 	<p>August 2</p> <ul style="list-style-type: none"> • Solutions pt 2 • Problem set 18 opens • HWQ3 opens • Solutions WS (optional) 	<p>August 3</p> <ul style="list-style-type: none"> • Acids and bases • Problem set 19 opens • Problem set 20 (course survey) opens • Acids and bases WS (optional) 	<p>August 4</p> <ul style="list-style-type: none"> • ALEKS set 5 due 11:59pm 	<p>August 5</p> <p><u>Exam 3 in class</u></p> <ul style="list-style-type: none"> • Open pie mode in ALEKS • Problem sets 14-20 due BY CLASS TIME (3:30pm) • HWQ3 due 11:59pm • ALEKS pie progress due 11:59pm