

CHM1031 BASIC CHEMISTRY II
SPRING 2024

INSTRUCTOR INFORMATION

Instructor	Email/Office/Phone	Preferred Contact
Dr. Martina Sumner Associate Instructional Professor I value your input regarding making this course more accessible and inclusive. Please reach out with suggestions.	Email in Canvas <u>only</u> 352-392-0517 Keene Flint 250	Email highly preferred; Zoom office hour times by request/appointment

COURSE DELIVERY/MEETING TIMES

This is a 100% online & asynchronous course.

AUDIO/VIDEO PRESENCE POLICY

As in all courses, unauthorized recording and unauthorized sharing of recorded materials are prohibited.

Full audio and video presence is required for proctored tests administered by Honorlock.

GENERAL INFORMATION

PREREQUISITES

High school algebra.

DESCRIPTION

CHM 1031 is the second half of the CHM 1030/1031 sequence, a terminal sequence for nonscience students that presents chemistry from a medical/nursing and life science perspective. CHM 1031 provides an overview of topics in organic and biological chemistry.
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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

view all due dates for the entire semester. This will not change over the course of the semester. Click on *Modules* and read all of the information under the *Settling In* section. Many of your questions are answered in the *Settling In* section including: Which types of calculators are approved? What is Honorlock? Where do I do the homework? How do you get help? Can assignments be submitted late? What does the formula sheet for an exam look like? This syllabus document *and* the information in *Settling In* comprise the material for the Syllabus Quiz.

COURSE MATERIALS

TEXTBOOK

A significant portion of your grade stems from electronic homework (ALEKS assignments) associated with an ebook, *General, Organic, and Biological Chemistry*, Smith, 5th ed., McGraw-Hill. This course is participating in UF All Access. Beginning the first day of the semester (not before that time) students can opt in to consent to have the purchase price charged to your student account. Alternatively, you may be able to purchase an access code for the materials at the UF Bookstore.

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.

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.

WEBCAM/MICROPHONE/SPEAKERS

You are required to have a functioning webcam, microphone, and speakers for proctored exams. See the minimum technical requirements at honorlock.com/support. Ensure your computer system meets their minimum system requirements. You are also required to have a handheld mirror/reflective surface for proctoring.

COURSE TECHNOLOGY

The student may require Adobe Acrobat Reader, Adobe Flash Player, Microsoft Silverlight and other software. Free tutorials on many software applications can be found at

Lynda.com. All UF students are expected to have reliable access to a computer, especially for an online course. Honorlock has specific hardware/software requirements: honorlock.com/support. Check the support page for McGraw-Hill for technical support using their platform: <http://www.mheducation.com/highered/platforms/connect/training-support-students.html>.

COURSE COMMUNICATIONS

GENERAL QUESTIONS

General course questions should be posted to the Discussion Q&A in Canvas. The instructor response time is 24 h during the work week (expect to wait until Monday for questions posted on a Friday).

Non-private questions sent via email will be posted and answered using the Course Q&A so all students can benefit from the response. We're also relying on you to help each other by answering questions when instructors aren't available (after 5 pm and on weekends/holidays).

I encourage you to post questions related to homework or end of chapter questions you're working on to the Discussion board. 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 aren't permitted to discuss grade related questions outside of Canvas. You will be asked to resend the query through Canvas.

COURSE POLICIES

SYLLABUS QUIZZES/SURVEYS

You can submit these assignments late, with a 10% 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 a whole day late.

CHAPTER QUIZZES

Sectional quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. When you're ready to begin, simply click the link. You will have three attempts at each quiz, with the highest score counting for credit. See the Quizzes page in the "Settling In" section for additional information.

Quizzes can be completed late for reduced credit, with a late penalty of -10% per day submitted late. Note that even 1 s past the due date counts as a whole day late. Make sure to open and submit the quizzes for all attempts prior to the due date to avoid the late penalty.

It is not possible for us to open a quiz for review purposes if you do not open the quiz before the posted due date in Canvas. We encourage you to open each quiz multiple times for review purposes even if you're satisfied with your score on the first attempt.

The two lowest quiz scores are dropped from your final course grade.

EXAMS

Three progress exams and one cumulative final exam are administered using the Quizzes tool in Canvas. These exams are remotely proctored by Honorlock. Each exam is available for a 24 h period on the scheduled exam date, except for the cumulative final which is available over a range of dates. Exam dates are: Exam 1: Feb. 15; Exam 2: March 28; Exam 3: Apr. 24; Cumulative Exam 4: Apr. 29 - May 1.

The one lowest exam score is dropped from your overall course grade. This includes the cumulative final; if you perform well on the three progress exams the final is thus optional.

HONORLOCK

Honorlock will proctor your exams this semester. You do not need to create an Honorlock account, download software, or schedule an appointment for your exam. Honorlock is available 24/7 and requires a computer, webcam, microphone, and a stable internet connection.

To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at www.honorlock.com/extension/install.

When you are ready to test, log into Canvas, go to your course, and select your exam. Click "Launch Proctoring" to begin the Honorlock authentication process, during which you will take a picture of yourself, and show your ID. Honorlock will record your exam session and record your screen.

If you encounter technical difficulties with Honorlock, contact Honorlock directly. You may live chat, phone (855-828-4004) and/or email support@honorlock.com. You should spend some time reading about their service and testing your system on their website. For other technical issues contact the Help Desk.

Extensive Honorlock documentation, including a student privacy guide, is available at <https://dce.ufl.edu/services/online-proctoring/>.

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 the last day of term.

ATTENDANCE, EXAM 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 CHM1030 proctored exams are available over a wide range of 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 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.

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 (Dr. Sumner) 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. Please refer to the detailed study schedule at the end of this document for scheduled Open Pie periods. Students are also in Open Pie whenever they complete an ALEKS objective prior to the due date.

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

ALEKS HOMEWORK SETS

There is an ALEKS Homework Set for each module in the course. These are unique from the Chapter assignments, and do not count towards your Pie Progress. Each focuses 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 in up to a

week late for reduced credit (-25%). The later Homework assignments can only be turned in late up to the last day of term, April 24.

The two lowest ALEKS Homework assignment 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. 24). 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. There are regularly scheduled *Open Pie* times for all students in the course. Whenever you complete an *ALEKS Objective* before its due date/time you also will enter *Open Pie* mode. Pie progress is calculated as $(\# \text{ topics completed} / \text{total } \# \text{ topics}) * 100\%$. 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.

DISCUSSIONS

You will contribute to discussion boards throughout the semester. Please see the grading rubric for each for grading criteria. Discussions can be submitted late for reduced credit (-10% per day late). The lowest one discussion assignment is dropped from your overall course grade.

NOTE TAKING ASSIGNMENTS (“NOTES”)

You will submit notes for each chapter, meeting the requirements given in Canvas. Please see the grading rubric for each for grading criteria. Notes for each unit are due prior to the final day that unit’s exam is available, and are graded for extra credit on that particular exam, up to 5% extra credit (5% if full credit is earned on the note taking assignments, or a lesser % for incomplete notes).

EXTENSIONS

Extensions for assignments (exams are covered under the Exam Absence Policy) can be requested due to illness or emergent situations. You will be asked to have your situation verified by the Dean of Students Office before such an extension is considered. Information on requesting an excuse note can be found here: <https://www.dso.ufl.edu/care/courtesy-letters/>

All assignments other than the final exam must be completed by the last day of term (April 24).

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.

Assignments weights are as follows:

Assignment Group	Weight %
ALEKS Objectives	10%
ALEKS Homework Sets	8%
ALEKS Pie	9%
Proctored Exams (best 3 @ 20%)	60%
Surveys and Syllabus Quizzes	1%
End of Chapter Quizzes	10%
Discussions	2%
Chapter Notes	Extra credit

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

Letter	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Cutoff	90.0	87.0	84.0	81.0	78.0	75.0	72.0	69.0	66.0	63.0	60.0	< 60.0

UNIVERSITY POLICIES

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES

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>.”

CAMPUS RESOURCES

Please visit the campus resources link in Canvas for a more comprehensive list.

1. **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.
2. **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.
3. **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](#).
4. **UNIVERSITY POLICE DEPARTMENT:** Visit [UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

5. **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](#).
6. **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

1. **E-LEARNING TECHNICAL SUPPORT:** Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at helpdesk@ufl.edu.
2. **CAREER CONNECTIONS CENTER:** Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
3. **LIBRARY SUPPORT:** Various ways to receive assistance with respect to using the libraries or finding resources.
4. **ACADEMIC RESOURCES CENTER:** Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
5. **WRITING STUDIO:** 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
6. **STUDENT COMPLAINTS ON-CAMPUS:** Visit the [Student Honor Code and Student Conduct Code webpage](#) for more information.
7. **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/>.

FEEDBACK

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times

when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

NETIQUETTE

Please see the detailed Netiquette guide in the *Settling In* section of Canvas.

GETTING HELP

For issues with or technical difficulties with Canvas, contact the UF Help Desk: <https://lss.at.ufl.edu/help.shtml>; (252)-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 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.

Some of the specific skills I hope you will obtain in this course are listed below:

The course objectives align with the UF General Education student learning outcomes and physical science area learning outcomes:

General Education SLO	Physical Science SLO	Course Objective Alignment	Assessment
Content	Identify, describe, and explain the basic concepts, theories and terminology of natural science and the scientific method; the major scientific discoveries and the impacts on society and the environment; and the relevant processes that govern biological and physical systems.	Objectives 1-6	All assessments and student practice assignments offer opportunities for students to demonstrate content knowledge.
Critical Thinking	Formulate empirically-testable hypotheses derived from the study of physical processes or living things; apply logical reasoning skills effectively through scientific criticism and argument; and apply techniques of discovery and critical thinking effectively to solve scientific problems and to evaluate outcomes.	Objectives 1-6	ALEKS objectives, ALEKS homework sets, end of chapter quizzes, discussions, ALEKS pie and exams
Communication	Communicate scientific knowledge, thoughts, and reasoning clearly and effectively.	Objective 3-6	discussions

COURSE LEARNING OUTCOMES

A complete list of student learning outcomes is posted in Canvas, organized by module/chapter.

Naturally, all three areas of learning outcomes will be assessed in all categories of graded assignment administered in CHM1031.

COURSE LEARNING OUTCOMES

A complete list of student learning outcomes is posted in Canvas.

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 WEEKLY SCHEDULE

*The most up to date list is posted in Canvas.

week	Aleks chapter objective due	Canvas quiz	ALEKS HW sets due ALEKS pie
1/8 – 1/12		Read syllabus	Introduction collage
1/16 – 1/19	Ch 11 (1/19)		Ch 11 (2/12)
1/22 – 1/26	Ch 12 (1/26)	Ch 11/ch 12 (1/26)	Ch 12 (2/12)
1/29 – 2/2	Ch 13 (2/2)	Ch 13 (2/6)	Ch 13 (2/12)
2/5 – 2/9	Ch 14 (2/9)	Ch 14 (2/13)	Ch 14 (2/12)
2/15		EXAM 1 ch 11-14	
2/12 – 2/16			
2/19 – 2/23	Ch 15 (2/19) Ch 16 (2/23)		
2/26 – 3/1	Ch 17 obj 1 (3/1)	Ch 15/16 (2/27)	Ch 15 (3/26)
3/4 - 3/8	Ch 17 obj 2 (3/8)		Ch 16 (3/26)
Spring break			
3/18 – 3/22	ch 18 (3/22)	Ch 17 (3/20)	Ch 17 (3/26)
2/25 – 3/29		Ch 18 (3/27)	Ch 18 (3/26)
3/28		Exam 2 ch 15-18	
4/1 – 4/5	Ch 19 (4/1) Ch 20 (4/5)	Ch 19 (4/3)	Ch 19 (4/22)
4/8 – 4/12	Ch 21 (4/12)	Ch 20 (4/10)	Ch 20 (4/22)
4/15 – 4/19	ch 22 (4/19)	Ch 21 (4/17)	Ch 21 (4/22)
4/22 – 4/24		Ch 22 (4/24)	Ch 22 (4/22)
4/24		Exam 3 ch 19-22	ALEKS pie due
4/29 – 5/1		Final cumulative exam	