



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Dr. Lisa Struck
- Email: struckl@nwfsc.edu (I can respond faster by email than phone.)
- Phone: 850-729-5296 {leave a message}
- **Office Hours (Help Sessions):** held in NV-350 Rm218, or Rm224, or on Zoom.
Mon. & Wed., 11 am – 12:30 pm
Tues., 11 am – 2:00 pm
Thurs., 11am – 1pm
Stop by or email me for help or to schedule additional in-person or Zoom help sessions.
- Office Location: **NV- Science Bldg.350-Rm.218** (or still in classroom Rm.224)
- Class Location: **NV- Science Bldg.350-Rm.224**

INSTRUCTOR COMMUNICATION

Your NWFSC email is the official communication medium of the College. Please check your College email regularly for any class and College notifications. Please check College email regularly for any class and College notifications. I will primarily use the email on the College roster. Please do NOT email me through Canvas nor ALEKS – I don't always receive these. I try to answer emails immediately, but will respond within one business day. In the unusual case, if I haven't responded, please email me again and/or talk to me before or after class, or during class break.

COURSE INFORMATION

- Course Name and Number: CHM1045C, College Chemistry I, CRN 20093
- **CRN: 20093**
- Class Location (Campus/Building/Room): **NV- Science Bldg.350-Rm.224**
- Class Modality: in person
- Class Days: **MW**
- Class Times: **12:30 pm – 3:20 pm**
- Online Classroom with Gradebook: [Canvas class shell](#)
(go to nwfsc.edu, click on "NWFSC Online" at top, click on link below "Canvas Login", choose chemistry class CHM1045C)
- **Final Exam: TBD**

COURSE DESCRIPTION

Description from current College [Catalog](#). College Chemistry I and Lab, CHM1045C, 4.0 credit hours. Quantitative approach to modern theoretical and descriptive chemistry with appropriate development of laboratory technique. Includes symbols, formulas, equations, atomic structure, bonding, states of matter, stoichiometry, thermos-chemistry, solutions, colloids, molecular orbitals, periodicity and properties. A two semester sequence in general chemistry with laboratory exercises and demonstrations. University transfer credit.

COURSE-LEVEL STUDENT LEARNING OUTCOMES

Enter course SLOs here. TBA soon.

COURSE PREREQUISITES

Prerequisite(s): MAC1105 required; high school Chemistry or Physics, CHM1020 or PHY1020 advised. Dr. Struck's recommendation: any **prior chemistry course is strongly advised**. If no prior chemistry, expect to spend extra hours.

COURSE MATERIALS -

PLEASE OBTAIN ALL WITHIN 2-3 DAYS.

1) The **custom textbook** for this course is **labeled in the bookstore as Chemistry 1 or Volume 1**. This custom textbook is the first half of Chemistry, by Julia Burdge, 2025 Edition, packaged with the **Access Code to McGraw-Hill Aleks software to do online homework and online labs**.

2) If you do not get the paper book at the bookstore, you can buy an **Access Code to McGraw-Hill ALEKS** software when you log in. This also includes the ebook. **To access the online HW & labs, you will NOT go to an outside website, you will click on that HW or lab in Canvas, under "Modules" or "Home"**. Instructions on how to register for **McGraw-Hill ALEKS** are at end of this Syllabus.

*****Our Class Code for ALEKS is: Class Code: TBD for NWFSC-CHM1045C-Dr. Struck-2026-Spring Section: MW 12:30 pm-CRN 20093**

This code is to identify the correct class, not to pay for the access code.

3) All in person **Lab Experiments** are available to **print from Canvas**. You **must print, read, and study each lab before lab day**. Look at calendar in Lecture Notes to see schedule of labs, tests, etc. You **do NOT need to purchase a Lab Manual** for classes taken with Dr. Struck. Bring receipt to return to bookstore if you already purchased it.

4) **Nonprogrammable (not a graphing) scientific calculator**. The use of programmable/**graphing calculators or cell phones will NOT be permitted during exams**. **Bring any scientific calculator to every class**.

- 5) Safety goggles for lab can be borrowed from instructor, or you may purchase your own (goggles rated for chemical splash). For lab experiments, you must wear closed-toe shoes, and hair tie for long hair. Lab apron rated for chemical splash is optional.
- 6) Web cam for online tests, if assigned.
- 7) Access to a printer to occasionally print labs and information that you must memorize.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

COURSE STRUCTURE

THE COURSE IS COMPOSED OF THE A) LECTURES & TESTS, B) LAB EXPERIMENTS & LAB REPORTS, AND C) HOMEWORK (ONLINE & ASSIGNED IN CLASS TO BE HANDED IN ON PAPER)

A) LECTURES & TESTS:

- “PreLecture” PDF files are posted in each chapter folder on Canvas. Download this file. Then during class, I will hand write (on my computer screen) on this PDF file, giving additional information, and showing how to work calculations and solve problems. The final copy of this PDF file is called the “Lecture Notes” and is posted in Canvas after every class.
- There is usually a Test on one to three chapters. Look at the Practice Tests and Schedule to see which chapters are on each Test. There will be about 6 – 8 Tests plus the Final Exam.
- The Final Exam counts the same as one Test.
- Your lowest Test grade will be replaced by your Final Exam grade, if you perform better on the Final Exam. (This way the Final Exam grade will count twice.)
- The Final Exam is cumulative, including all chapters covered: Ch.1 – 11. This Final is a standardized exam written by the American Chemical Society (ACS).

B) LABS AND LAB REPORTS:

- Labs: Some Labs are a) in-person labs in the laboratory, b) online labs on ALEKs, but click link from Canvas, and 3) worksheets printed from Canvas, treated as a Lab Grade, or may be worksheets combined with work done in the lab.
- Links to Online Labs are in the Experiments Folder in Canvas.
- PDF files of the In-person Labs (done in lab) are also posted in the Experiments Folder in Canvas. You must PRINT all of the lab and STUDY the lab before lab day. See class Schedule in first pages of the most recent Lecture Notes.

Staple the Lab introduction & procedure pages together, then staple the “Data Sheets” together. You will write your measurements from lab and calculations on the printed Data Sheets – and this is what you turn in as your “Lab Report” to be graded.

The first page of the Lab Report should be (on top) the first page of the Data Sheets (it does not matter what is on the back of the sheet of paper). You want to be able to open to the “Procedures” and the part of the Data Sheets to be filled in, at the same time. Doing a lab experiment is similar to cooking – you want to check and re-check the procedure, and notice any other directions and information given.

C) **HOMEWORK**, ONLINE, AND ON PAPER (ASSIGNED & TURNED IN DURING CLASS):

- There is an online Homework (HW) on each chapter, graded by computer.
- There are two HW problems assigned at the end of the Chapter 1 Lecture, and turned in on paper during class.
- There may be HW on paper assigned from other chapters.

Study all pages of the Lecture Notes, after each class.

ASSIGNMENTS

Assignment Category	Points/Percentage of Grade	Due Date
<p>Test Average. You may replace your lowest Test grade (in %) with your Final Exam grade. There are 6-8 Tests plus the Final Exam. The Final Exam counts the same as one Test.</p>	70 % of course grade	<p>See the Schedule of Tests in the Calendar that is on the first pages of the most recent Lecture Notes.</p> <p>Find the Practice Tests for each Test in the Practice Tests Folder/Module in Canvas.</p>
<p>Lab Reports Average. Your lowest Lab grade (in %) will be dropped. Late Report penalty is 5% per class day, and after I pass back graded papers, it is an additional 10%.</p>	20 %	See List of Labs in Canvas Folder of Experiments & See the Schedule in the first pages of the Lecture Notes.
<p>HW Average from: Online HW & some HW on paper. (Calculated out of total points.) Your lowest Online HW is dropped.</p> <p>There are may only be two HW on paper, listed at the end of Ch.1 Lecture Notes.</p>	10 %	<p>See the Schedule in the first pages of the Lecture Notes.</p> <p>The link to each chapter HW is in the Chapter Folder/Module in Canvas. For example, Ch.1 HW is in the Ch.1 Folder/Module in Canvas.</p>
Total	100 %	

How to calculate your course average: (a weighted average, not the average called the “mean”)
= 0.70*(Test Average) + 0.10*(Homework Average) + 0.20*(Lab Report Average)

Grading Scheme

Grade	Range
A	≥ 89.5 %
B	79.5 – 89.4 %
C	69.5 – 79.4 %
D	59.5 – 69.4 %
F	≤ 59.4 %

EXPECTATIONS OF STUDENTS & COURSE POLICIES

CLASS ATTENDANCE

You need to attend EVERY class. You need to arrive early for class. Students who miss chemistry class usually do not pass the course. If you stop attending class, you may want to withdraw from the course. Instructors are not allowed to withdraw students from a course.

- **You will need to find the motivation to pay attention in ALL classes.** I try to make chemistry easier to learn in class – it is much harder to learn on your own.
- **Don't be late to class** – we can cover a lot of material in 5-10 minutes.
- If you are late, **please come in as soon as possible, quietly**, so you don't miss more material.
- **If you are late or miss a class** – you **must study the Lecture Notes that we covered and any revision to the Schedule**, which is at the beginning of the Lecture Notes (posted on Canvas).

CLASSROOM CONDUCT

I expect you to pay attention and participate in class. **Please ask questions in class and after.** Please do not have your phone out or computer during class – it is distracting to other students and the instructor. The exception is if you are reading information from the Pre-Lecture Notes or Reference Data. However, **please pay attention to the projector screen**, where I will be pointing to items as I explain, and adding to the Lecture Notes from my computer screen. If you are not participating in class, your grade will suffer.

Use of electronic communication devices during examinations or other graded activities may constitute grounds for disciplinary action; such devices must be completely out of sight during exams or other assessments. Where emergency or employment situations require access to electronic communication services, arrangements may be made in advance with the instructor.

If you are sick, or if you have been exposed to someone that is sick, please wear a mask. Please also be mindful of coughing into your elbow. Please be especially around me, as I have a Primary Immune Deficiency and get sick easily. I sincerely thank you.

Assignment Schedule

A tentative schedule is provided and posted at the beginning of the Lecture Notes, except the first day. This is to show you assignments and a rough idea of when you expect items. Print this Calendar/Schedule and make revisions during each class. Changes in this schedule will be announced at the beginning of each class, and can be seen in the beginning of the posted PDF Lecture Notes after class.

- The schedule of Labs, Tests, and Lectures will be on our class schedule calendar – which is on the first pages of our most recent Lecture Notes.
- Look at the Schedule to see if a lab is online or in person. Study lab before lab day.
- The Syllabus and Schedule are subject to change.
- All work must have your first and last name on the first page.

PLEASE make all work legible, including letters and numbers. If I cannot read it, then I cannot give you credit. Spelling counts for names and symbols of elements, names of compounds, formulas of compounds, and other names like group names. For these, please PRINT, and put a space between each letter. Example, gold ≠ gdd.

EXPECTATIONS OF STUDENTS:

- Arrive on time or early for class.
- Attend EVERY class.
- Pay attention during class, taking notes, and working all problems that we work in class.
- Do not distract yourself with your phones, tablets or computers.
- Chemistry is one of the hardest college courses. Learning Chemistry is like learning a foreign language, with its own terms, equations, and symbols. Its difficulty may be due to the combination of math and science in one course. Most of all, there is a tremendous amount of subjects and material that we are required to cover in College Chemistry I. This is uniform across our country – I would choose to cover less material if anyone had asked me. 😊
- I try to show you how to figure out chemistry logically for many topics, but there will be many words, names and symbols that you just have to memorize (like vocabulary in a foreign language class).

- You will need to pay attention and focus to learn a lot during class, and expect to spend many, many extra hours per week to study, practice working problems, completing Labs, and doing HW.
- **AFTER EVERY CLASS**, you must study my Lecture Notes of that class (posted after class). You must start memorizing material immediately, and you must re-work every problem that we did in class AND work the Practice Problems. You must do this before the next class, because you will probably be expected to know and use most of the information covered in the previous class. I recommend that you scroll through the Lecture Notes on the computer, as opposed to printing the pages – we will cover many pages of Lecture Notes in each class.
- Then, **after** you have learned the material from Lecture Notes & textbook, start working the HomeWork (HW) problems, but **only on topics** that we have covered in class.
- Start making flash cards or use my Quizlet (links in chapter folders) to memorize what must be memorized.
- Then, after a few classes, go back and re-work problems – you will need to practice working problems to prepare yourself to answer them on a Test.
- If you wait to study for a Test until a few days before the Test – it is probably too late. You must study after every class. **You need to study Lecture Notes after EVERY class!**
- **Ask questions** (this is how you learn), in class, after class, during my office hours!!!! There is NO such thing as a stupid question, you probably just missed one small step.
- When you have a question:
 - 1st look in my Lecture Notes,
 - 2nd look in textbook,
 - 3rd ask me, Dr. Struck.
 Don't spend hours looking for it online and possibly finding something that is incorrect.
 - 4th don't wait to get more help from a tutor.
- Please let me help you learn chemistry!!!! Ask questions!!!

MAKE-UP WORK

There are **NO** make-up Labs, Tests or Homework (HW). You may attend a different class if there is a seat available. **Do not plan to miss any class, because the schedule WILL change**, and that may be the day we take a test or do a lab. **If you miss a Test, then your Final Exam grade will replace that Test.** **If you miss a lab, that will be the one Lab Grade that is dropped.** Please talk to me about your situation.

STUDENT EXPECTATIONS AND RESOURCES

NWFSC aims for excellence in education and scholarly pursuits. Campus policies and procedures support this goal by protecting the health, safety, welfare, and property of the College and its students. To view all campus policies, please see the [college catalog](#). Several essential policies are provided below.

NWFSC POLICY	DESCRIPTION
<u>Academic Integrity</u>	Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. They are also expected to behave professionally and refrain from disrupting other students' learning environments.
<u>Accommodations</u>	<p>The Accommodation Resource Center at Northwest Florida State College is committed to providing equal access and opportunities for educational success to all students with disabilities as guided by the American Disabilities Act and other disability-related laws.</p> <p>Students who have been approved for accommodations through the ARC are encouraged to work with their professor on facilitation. Please talk to me or email, so we can set up a plan to have all of your course needs met.</p> <p>If you will be taking tests at the Testing Center, you need to ask me which days you can take it and how long is the test, then make an appointment with the Testing Center. Then email me the time and day of your appointment – this serves as a reminder for me to send them your test. Thank you for following this procedure. All inquiries and discussions will remain confidential by myself and ARC.</p>
<u>Attendance</u>	Regular attendance and participation in the course is expected.
<u>Tutoring Services</u>	Tutoring services are available in person and online.
<u>Counseling Services</u>	All actively enrolled students can receive an initial assessment and up to six (I believe) therapeutic sessions with a Behavioral Health provider at no cost to the student.
<u>Student Code of Conduct</u>	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
<u>Student Complaints</u>	NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student who desires to resolve a grievance may initiate the resolution process using the information in the link provided to the left.

<u>Student Rights and Responsibilities</u>	Understanding your role as a student.
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OTHER IMPORTANT INFORMATION

TECHNICAL SKILLS AND SPECIALIZED TECHNOLOGY

This course is partially online. Students must provide their device(s) to access and complete this class online. In addition to baseline word processing skills and sending/receiving emails with attachments, students will be expected to search the Internet and upload/download files. If you encounter technology challenges using course resources in the Learning Management System (in Canvas), email the Center for Innovative Teaching and Learning (CITL) at online@nwfsc.edu or call 850-729-6464.

For other IT problems, email Information Technology at support@nwfsc.edu or call 850-729-5396.

EMERGENCY COLLEGE CLOSURE

This course's schedule, requirements, and procedures are subject to change in the event of unusual or extraordinary circumstances. If the College closes for inclement weather or another emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college reopens. If changes to graded activities are required, students will not be penalized due to the adjustments but will be responsible for meeting revised deadlines and course requirements.

ACADEMIC INTEGRITY TOOLS

All assignments submitted in this course are analyzed for plagiarism, copying and originality. You may help each other learn how to do a calculation, but you must do the calculation yourself, including showing your own work, including typing the calculation into your calculator yourself. Do not copy another's work.

ACADEMIC CONTINUITY PLAN

NWFSC is dedicated to protecting the health and well-being of its students, staff, and faculty. The College is dedicated to working with faculty and students to ensure timely course and program completion during emergencies. In the event of a College closure, the format of this course may be modified to enable completion of the course through other means, including but not limited to online course delivery through online classrooms. Check your RaiderNet College email and LMS classroom online for any updates.

WELCOME TO CLASS!!!

Please ask questions and let me help you have a successful semester!

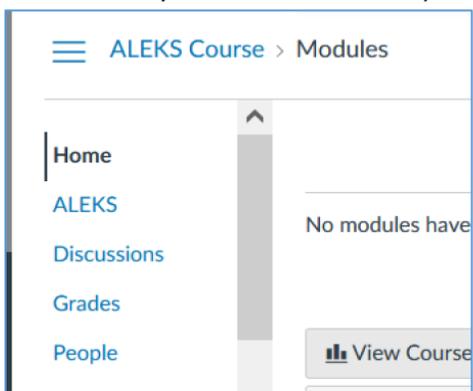
Thank you for choosing NWFSC for your education—and welcome to class!

You must pair your Canvas with your ALEKS, please follow directions below. Check that your grades on ALEKS assignments are shown in your Canvas gradebook. This means you were successful!

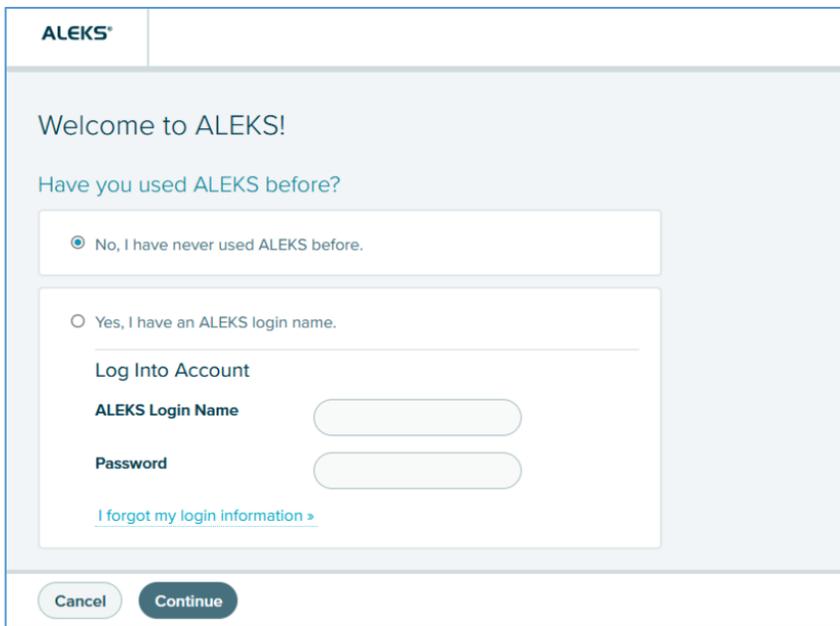
Canvas: Student Pairing with Access Code

To pair your LMS account with ALEKS, follow the steps below.

1. Log into your Canvas account.
2. Select your course.
3. On the left-side navigation menu, select the tool link **ALEKS**. (Note, the name of the tool link may be different for your school and class.)



4. If you have never used ALEKS, select the first option, **No, I have never used ALEKS before** and then select **Continue**. If you already have an ALEKS account, select **Yes, I have an ALEKS login name**, enter your login information, and then select **Continue**.

A screenshot of the ALEKS login interface. At the top left is the 'ALEKS' logo. Below it, the text 'Welcome to ALEKS!' is displayed. The question 'Have you used ALEKS before?' is followed by two radio button options. The first option, 'No, I have never used ALEKS before.', is selected. The second option is 'Yes, I have an ALEKS login name.'. Below the second option is a 'Log Into Account' section with two input fields: 'ALEKS Login Name' and 'Password'. A link for 'I forgot my login information >' is located below the password field. At the bottom of the form are two buttons: 'Cancel' and 'Continue'.

5. Verify your information, accept the Terms of Use, and select **Continue**.

ALEKS®

Registration

* Required

Enter Your Personal Information

First name *

Middle initial

Last name *

Enter Your E-mail Address

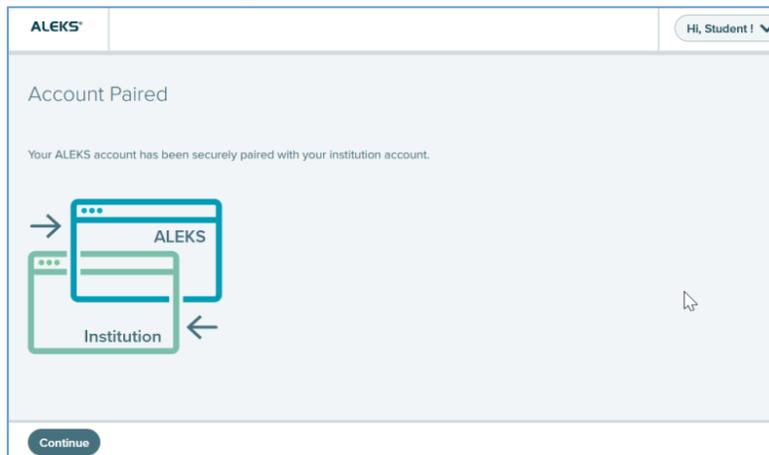
Email address *
Example: myname@schoolmail.edu

Confirm email *

Review and Accept Terms of Use

I agree to the [Terms of Use](#), [Consumer Purchase Terms](#), and [Privacy Notice](#).

6. Your account is now paired with ALEKS. Select **Continue**.



7. If you already have a 20-character access code, select the second option to continue your registration. If you do not have a 20-character access code, select the first option to purchase the code via ecommerce and complete registration.

ALEKS[®] Hi, Student! ▾

Apply Access

Do you have an access code?

No, I need to purchase an access code.

Yes, I have an access code.

Access Code: - - - ?

Cancel Continue

8. Confirm your access code expiration date. Select **Confirm**. (The example is for students that already have an access code.)

ALEKS[®] Hi, Student! ▾

Apply access

The access code will be applied to your class.
Expiration Date: 09/30/2022

Previous Confirm

9. You are now in your ALEKS Student Account Home.

