



NORTHWEST FLORIDA STATE COLLEGE

100 College Boulevard, E. • Niceville, FL 32578-1347 • (850) 678-5111 • www.nwfsc.edu

INSTRUCTOR INFORMATION

- Professor: Dr. Kurt Teets
- Email: teetsk@nwfsc.edu
- Phone: 850-729-5247
- Office Hours: Posted by office building 350/rm 211 door. May change during semester.
- Office Location (Campus/Building/Room): Niceville/350/211 and 228

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. Emails will be responded to within 48 business hours. College is closed on Fridays.

COURSE INFORMATION

- Course Name and Number: CHM 1045C, CRN 20225
- Class Location (Campus/Building/Room): Niceville, 350/228
- Class Modality: Lecture
- Class Days: TR
- Class Times: 12:30 pm
- Online Classroom with Gradebook: [Canvas class shell](#)

COURSE CURRICULUM

THIS COURSE IS DESIGNED FOR STUDENTS PURSUING CAREERS IN THE SCIENCES OR WHO NEED A MORE RIGOROUS PRESENTATION OF CHEMICAL CONCEPTS THAN IS OFFERED IN AN INTRODUCTORY COURSE. STUDENTS WILL ENGAGE IN PROBLEM SOLVING AND CRITICAL THINKING WHILE APPLYING CHEMICAL CONCEPTS. TOPICS WILL INCLUDE THE PRINCIPLES OF CHEMISTRY INCLUDING ATOMIC THEORY, ELECTRONIC AND MOLECULAR STRUCTURE, MEASUREMENT, STOICHIOMETRY, BONDING, PERIODICITY, THERMOCHEMISTRY, NOMENCLATURE, SOLUTIONS, AND THE PROPERTIES OF GASES.

STUDENT LEARNING OUTCOMES:

- STUDENTS WILL APPLY THE LAW OF CONSERVATION OF MATTER AND ENERGY.
- STUDENTS WILL IMPLEMENT RULES OF SIGNIFICANT NUMBERS TO ALL MEASUREMENTS.
- STUDENTS WILL EXPLAIN THE FUNDAMENTAL PROPERTIES OF MATTER INCLUDING BUT NOT LIMITED TO ATOMIC AND ELECTRONIC STRUCTURE, AND PERIODICITY.
- STUDENTS WILL APPLY IUPAC RULES OF NOMENCLATURE.

- STUDENTS WILL PREDICT MOLECULAR GEOMETRY AND PROPERTIES FROM BONDING THEORIES.
- STUDENTS WILL PREDICT AND EXPLAIN THE PRODUCTS OF CHEMICAL REACTIONS (E.G., ACID-BASE, OXIDATION-REDUCTION, PRECIPITATION, DISSOCIATION).

COURSE PREREQUISITE

MAC 1105

COURSE MATERIALS

REQUIRED: Chemistry: Volume 1, Burdge, NWFSC custom edition

ALEKS code for online homework

Catalyst custom lab manual for CHM 1045C

OPTIONAL: ACS Study guide for Standardized Exam in General Chemistry

CLASS ATTENDANCE

Students who stop attending class or are not able to pass the course due to attendance expectations stated in the syllabus may receive a failing grade, which may impact the receipt of federal aid in subsequent courses. Students traveling for College-approved activities, such a trip with a student activities club or to an athletic tournament will not be penalized academically but will be responsible for missed work. Assignments that occur during unapproved absences will not be excused.

- A. Students are expected to attend all of their scheduled classes, as attendance is one of the strongest predictors of success. Therefore, **3** hours of missed class may result in a penalty of **1%** (a percentage penalty assessed on the final course grade).

ATTENDANCE CONFIRMATION

Active participation and academic engagement are expectations of enrollment in this course. Faculty confirm each student's attendance in class after the schedule adjustment period ends. Students who have not attended class or otherwise engaged academically in the course through the submission of an academic assignment or through participation in a curricular activity may be withdrawn from the course for nonattendance.

Students who are withdrawn for nonattendance or nonparticipation early in the course may request to be reinstated in the course by contacting their instructor by email. Reinstatement in the course is at the instructor's discretion during the first three weeks of class and is not guaranteed. Reinstatement requests occurring after this three-week period may be submitted to the instructor for consideration; however, additional administrative approval will be required to grant the reinstatement. If you are withdrawn from a course due to nonattendance and are

not granted reinstatement in the course, please contact a Student Success Navigator for assistance.

CLASSROOM CONDUCT

Electronic devices must not distract from learning. Courtesy to the professor and other students requires that phones be on vibrate or silent mode during class. No student should initiate conversations, including texts, during class activities. 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.

Disrespectful, discourteous, or aggressive or hostile behavior towards any persons in class will not be tolerated, and will result in removal from the classroom, and possible failure of the class.

Lecture Recordings

Students may, without prior notice, record video or audio of a class lecture for a class in which the student is enrolled for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a College course intended to present information or teach about a particular subject. Recording class activities other than class lectures is not permitted. Except as detailed in the Catalog, recordings may not be published or shared without the written consent of the faculty member. To read and fully understand your rights and responsibilities when recording, visit the Catalog.

Question time

Lectures begin with the instructor asking if there are any questions. This is the time to ask **SPECIFIC** questions, such as a homework problem, or some other question that you have an example of to work from. This is a reason you need to be doing homework problems ahead of time. The best is if you can give/show the instructor the actual question/problem.

There is not enough time to answer very general questions such as “I don’t understand Ch. 3”, or “what’s up with stoichiometry?” Questions like that have no answer but to give the lecture on that chapter over again, and there is no time for that. It is not an efficient use of everyone’s time. Neither can material be recovered for someone who wasn’t there for the lecture that included that topic.

Very broad questions like that are what office hours are for.

Cheating

Any students caught cheating, on their own or with others, whether on an exam, quiz, homework, or lab, will immediately fail the class, regardless of their current grades.

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
Academic Integrity	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.
Accommodations	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.
Attendance	Regular attendance and participation in the course is expected.
Tutoring Services	Tutoring services are available in person and online.
Counseling Services	All actively enrolled students can receive an initial assessment and up to five therapeutic sessions with a Behavioral Health provider at no cost to the student.
Student Code of Conduct	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
Student Complaints	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.
Student Rights and Responsibilities	Understanding your role as a student.

MAKE-UP WORK

No make-up exams, homework or labs. If instructor is notified in a timely fashion BEFORE date of assignment, arrangements **may** be made within reason.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

NOTE: EXAM AND QUIZ DATES MAY CHANGE. THIS IS A TENTATIVE, DYNAMIC SYLLABUS AS FAR AS EXACT DATES ARE INVOLVED. MATERIAL COVERED MAY CHANGE AS DICTATED BY CIRCUMSTANCES (TIME, HURRICANES, OTHER). YOU ARE RESPONSIBLE FOR ANNOUNCEMENTS MADE

DURING LECTURE, AS WELL AS FOR THE INFORMATION ON THIS SYLLABUS, AND POSTED ON CANVAS OR SENT TO YOUR STUDENT EMAIL.

THE USE OF PROGRAMMABLE/GRAPHING CALCULATORS, CELL PHONES, SMART WATCHES, GOOGLE GLASSES OR PDAS WILL NOT BE ALLOWED DURING EXAMS OR QUIZZES, NOR WILL SCRATCH PAPER OR ADDITIONAL AIDS SUCH AS NOTE CARDS. THE USE OF PROGRAMMABLE/GRAPHING CALCULATORS, CELL PHONES, SMART WATCHES, GOOGLE GLASSES OR PDAS WILL NOT BE ALLOWED DURING EXAMS OR QUIZZES, NOR WILL SCRATCH PAPER OR ADDITIONAL AIDS SUCH AS NOTE CARDS. IF THESE ITEMS ARE FOUND ON/AROUND A STUDENT DURING AN EXAM/TEST/QUIZ, IT WILL RESULT IN FAILURE OF THE CLASS.

No one is allowed to leave the classroom after a test/exam/quiz starts, and return, until all finish. If a student leaves the room after the start of an assessment, that means they are finished with the assessment at that time. Also, no one can enter and start a test/exam/quiz after others have started, and have left.

IF YOU ARE TARDY FOR AN EXAM OR QUIZ, YOU WILL NOT BE GIVEN EXTRA TIME TO COMPLETE THE EXAM OR QUIZ. EVERYONE WILL OBSERVE THE SAME STARTING AND FINISHING TIME.

There will be 1000 points total in the class. Your hourly exams, quizzes, homework, lab, and final exam will contribute to your overall grade in the following way:

Exams, 80% of total: $(\text{your \% average on all tests}/100) * 800$ points

+ALEKS homework, 10% of total: $(\text{your \% on ALEKS assignments}/100) * 100$ points

+lab, 10% of total: $(\text{your \%}/100) * 100$ points

Sum total = your points in class out of 1000 before any extra credit points (if any)

= your total of all points in class out of 1000

Assignment Category	Points/Percentage of Grade	Due Date
Lecture exams and final exam (The final is a standardized American Chemical Society exam)-80% of grade. These will consist of in-class lecture exams. Your lowest exam score is dropped. There are no make-ups for unexcused absences. Within reason, exams can be taken a few days early or a few	80% of total	4-5 during the semester

days later with a reasonable excuse.		
ALEKS HW modules-10%. These are required, and will be assigned for each chapter. They must be submitted by the due date, or you receive a score of zero for that assignment. You access ALEKS assignments via the navigation menu on the left hand side of the Canvas home page. Clicking on that that will take you to the ALEKS course. You will then find a link on the top "Assignments". Hover over that, and you will then see a drop down menu with "assignments". Click on that to bring up assignments	10% of total	One per chapter
Lab: 10% of grade. Grade is based on completion of in-person labs. You must attend and perform the labs <u>and have your results checked off</u> as satisfactorily performing the lab experiment, and complete any assigned virtual labs. Each absence/lack of completion will result in a loss of 10% of the lab grade. You cannot receive a passing grade in the class, without documented excuses/reasons, if you have more than 1 instance of unexcused absences from lab.	10% of total	8-10 per semester
<u>The Practice Sets in ALEKS ARE NOT THE HOMEWORK.</u> They are there just as an option to give you questions to practice with. They are not worth any part of your grade. The homework are the modules in ALEKS.	0%	
Total	100	

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Grading Scheme

Grade	Range
A	90 – 100 %
B	80 – 89 %
C	65 – 79 %
D	50 – 64 %
F	49 and less %

OTHER IMPORTANT INFORMATION



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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 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.

A NOTE (OR TWO) ON STUDYING, OR, HOW DR. TEETS STUDIED IN COLLEGE

If you come to class every lecture, take copious notes, never miss a lab, and read the chapter material before and after each lecture, what grade do you think you can reasonably expect to earn at the end of the semester? The answer is, most likely, unless you have a natural knack for chemistry, a C. Why? Because you have left out one part. By far the MOST important part. Practicing problems. **IF YOU DO NOT PRACTICE PROBLEMS SEVERAL TIMES A WEEK, YOU WILL NOT PERFORM TO YOUR DESIRED LEVEL ON EXAMS. PERIOD. END OF STORY.**

The **ONLY** way to excel in chemistry is to **DO PROBLEMS!!!** As many as you can possibly stand to do, and then do more. I am not kidding about this. You will find over 100 problems at the end of every chapter (a highly recommended starting point). There is no lack of material available for you to use to prepare yourself for each exam. **However, no one can make you study except you.**

Now, an equally important point as “What do I study” is “When do I study”? The answer is: **early and often.** Do NOT put off studying until two days before an exam. Unless you are an exceptional student, it is too late then. Not only will you be overwhelmed by the amount of material you need to study, but you will have no opportunity to ask questions in class or office hours on the material you need help with. You should work problems at least 2-3 times a week for several hours each time. Doing just the weekly homework problem set is **NOT ENOUGH.** You must do more on your own.

I would also suggest recopying your class notes each week into a condensed, easy to read version.

YOU MUST TAKE GOOD NOTES IN CLASS!!!

Taking a picture of what is on the whiteboard/blackboard is not the same as taking notes.

Do not forget that your textbook is an excellent reference for filling in gaps you may have in your notes. Then, assembling your weekly summaries into one master set of notes for each test will provide yet another chance for you to review, read, study and analyze your notes as you recopy them for a second time. All this repetition of working problems, and copying and recopying notes, is not just busy work. It is the **ONLY** way that the material can make it from the page to your brain and stay there. **THERE ARE NO MAGIC BULLETS!**

One last word: do not fall behind. This is a little thing to say, but a huge problem if you do it. It will be extremely hard for you to catch up, and catch up you must. In chemistry, the material keeps building on what has been learned before. And if you have not learned the material that was covered earlier in the semester, then, on exams later in the semester, well...

WELCOME TO CLASS

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