NORTHEAST TEXAS COMMUNITY COLLEGE

CHEM 1411 001 – General Chemistry I F2F

Course Syllabus: Summer 2026

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

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Weekday	Office Hours
Monday	By appointment
Tuesday	By appointment
Wednesday	By appointment
Thursday	By appointment
Friday	By appointment

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

4 credit hours.

Lecture/Lab/Clinical: 4 hours lecture and three hours of lab each week.

Prerequisite(s): MATH 1314 College Algebra or equivalent academic preparation;
High school chemistry is strongly recommended.

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Basic laboratory experiments supporting theoretical principles presented in CHEM 1411; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. Successful completion (final grade of C or better) of CHEM 1411 will allow the student to enroll in CHEM 1412 (Spring, Summer).

Student Learning Outcomes:

Upon successful completion of this course, students will:

1. Define the fundamental properties of matter.
2. Classify matter, compounds, and chemical reactions.
3. Determine the basic nuclear and electronic structure of atoms.
4. Identify trends in chemical and physical properties of the elements using the Periodic Table.
5. Describe the bonding in and the shape of simple molecules and ions.
6. Solve stoichiometric problems.

7. Write chemical formulas.
8. Write and balance equations.
9. Use the rules of nomenclature to name chemical compounds.
10. Define the types and characteristics of chemical reactions.
11. Use the gas laws and basics of the Kinetic Molecular Theory to solve gas problems.
12. Determine the role of energy in physical changes and chemical reactions.
13. Convert units of measure and demonstrate dimensional analysis skills.
14. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory, conduct basic laboratory experiments with proper laboratory techniques, and demonstrate safe and proper handling of laboratory equipment and chemicals.
15. Make careful and accurate experimental observations, record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written reports.
16. Relate physical observations and measurements to theoretical principles, interpret laboratory results and experimental data, and reach logical conclusions.
17. Design fundamental experiments involving principles of chemistry.
18. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

%	Requirement
7%	ACS Final Exam
35%	Unit Exams
11%	Quizzes
10%	ALEKS Assignments
10%	ALEKS Pie Progress
2%	Attendance
25%	Labs

Semester grades (rounded to the nearest whole number percent) will be earned as follows:

Percentage	Letter Grade
90% and above	A
80 %–89%	B
70 %–79%	C
60%–69 %	D
59.9% and below	F

Grades are posted in Blackboard generally within one week of the due date. The final grade in Blackboard is generally within 1-3% of the actual course grade, but in the event of a discrepancy, the instructor's gradebook is the last word on grades. At any time during the term, students may request to view their grades in the instructor's gradebook.

Final Exam (7% of grade)

The American Chemical Society (ACS) Standardized First-Semester General Chemistry Final Exam will be administered during the mandated final exam time for this course. The ACS Exam is a nationally administered exam that covers cumulative topics from the first semester course in general chemistry. This is a 70-question multiple choice exam with strict guidelines that will be discussed in class. This exam is challenging and will give students an idea of how they perform relative to other students across the nation (community college and university) who take this test.

ACS Final Exam (110 min.)	Thurs. July 9	MS 124 10:20am – 12:10pm

Students who score exceptionally (80% or above) on the ACS Final Exam will automatically earn a course grade of "A" for the semester, provided they meet the following criteria: (1) no grade of 0 on any unit exam, (2) no more than one unexcused lab absence for the whole semester, (3) a score of 50% or above on total ALEKS work for the semester, and (4) no more than three unexcused absences in lecture for the semester.

Unit Exams (35% of grade)

Five unit exams will be given during the term. Exams consist of multiple-choice questions, short answer questions, calculation problems, and essay questions. Unit exams are administered on campus in person as scheduled:

Exam 1	Chemistry Essentials	Ch. 1, 2	Mon. Jun. 15	MS 124 10:20am – 1:10pm
Exam 2	Electrons & Compounds	Ch. 3, 4, 5	Mon. Jun. 18	MS 124 10:20am– 1:10pm
Exam 3	Bonding	Ch. 6, 7	Mon. Jun. 29	MS 124 10:20am– 1:10pm
Exam 4	Reactions & Solutions	Ch. 8, 9	Mon. July 2	MS 124 10:20am– 1:10pm
Exam 5	Thermochemistry & Gases	Ch. 10, 11	Wed. July 8	MS 124 10:20am– 1:10pm

Guidelines for all exams in this course

- Exam dates are subject to change. Ample notice will be given verbally during class in such instances. Under rare circumstances, students may take exams in advance; this will be decided on a case-by-case basis. <u>There will be no make-up exams for missed exams without authorization before the exam date.</u>
- At the instructor's discretion, students may be assigned seats during an exam period.
- Students are allowed to bring only pencils, erasers, and scientific calculators to the student tables during testing.
- Bags, purses, etc. are not allowed at the student tables and should be stowed at the front of the room.
- Programmable calculators, graphing calculators, and cell-phone calculators are not allowed. Sharing calculators will not be permitted.

- Cell phones are not permitted. Phones should be turned off and placed on the whiteboard tray during the exam. A student in possession of a phone once the exam has started will earn a grade of zero on that exam. If a student's phone sounds, disrupting the exam, that student will earn a grade of zero on the exam and be asked to leave the testing room.
- Watches are not permitted in the exam room; watches, and other personal electronic devices, must be stowed in a bag or surrendered to the instructor during the exam.
- Students will be provided with scratch paper and a formula sheet for each exam. Other papers or notes will not be permitted during the exam.
- Students that leave the testing room during the exam must turn in the exam to be graded and cannot return to the exam room until the testing period is over.
- A student found in violation of any of these guidelines during an exam period will earn a grade of zero on that exam.
- Graded Exams will not be handed back to the student. Students are required to review their graded exams with the instructor during office hours or by appointment outside of office hours. Reviewing the exam is an exam score out of five points. Students must review their exam before the start of the next exam to earn the full five points.

Quizzes (11% of grade)

- A quiz will be given during all lectures. Students who are absent from class will earn a zero on the quiz, and makeup quizzes will not be given. Quizzes are generally due at the end of class. Quizzes that are "LATE" will earn a grade of zero, although the late quizzes may be marked with comments for feedback on the content.
- A required syllabus quiz will be administered through Blackboard at the start of the semester. This quiz is a binding agreement that you have received the syllabus and agree to its terms. The Syllabubs Quiz is due Monday, Jun. 8 at 11:59pm. Students not completing the Syllabus Quiz by the census date – Thursday, June 11 – may be dropped from the class and not allowed to re-enroll regardless of class participation.

ALEKS Assignments (10% of grade)

- This course uses the ALEKS online homework system. To register in ALEKS, simply click on the ALEKS link found at the top of the course page in Blackboard and complete the registration using the NTCC email; no access code is needed.
- All ALEKS assignments are accessed through this same link at the top of the course in Blackboard. Assignments and due dates are listed in the ALEKS system and on the printed schedule given on the first day of class.
- See the schedule for specific due dates of ALEKS assignments.
- Students should NOT wait until the night before the due date to start these assignments but rather should pace themselves. Chemistry is learned through practice.
- There are two kinds of ALEKS assignments:
  - *Traditional, non-adaptive Homework assignments* which are open from the first day of class until the due date.
    - Students have unlimited attempts to answer each question correctly.
    - Students may retake the incorrect problems after the first submission; ALEKS keeps the best score.
    - Students have unlimited attempts to submit each Homework assignment until the due date.
    - Students have access to embedded resources (on the right bar in ALEKS) such as the eBook, periodic table, tables of reference material.
    - After the due date, a student may submit an ALEKS Homework assignment late with a 20% penalty.
  - *Non-traditional, adaptive Modules* which are available only during the "open" window.

- Only one Module can be open at a time; this forces the student to work first on the currently-due-assignment. There are "Open Pie" times scheduled during the semester when no module is open which allows students to work on any past-due or future-due module. Open Pie time also exists if the student submits a Module before the due date.
- ALEKS Modules require the student to answer correctly three to five questions in a row on each topic before receiving credit; the required number of correct answers varies for each question as indicated by the checkboxes on the screen.
- The student earns full credit for a Module by completing the required number of correct answers before the due date, regardless of how many wrong answers are given in the process. Once the module is past due, the ALEKS Assignment grade for the Module is locked in. If the student works on the Module again later during Open Pie time, the Pie Progress Goal grade improves but not the Module grade. Late work on Modules is not allowed, in the sense of earning credit toward the ALEKS Assignment grade.
- Students have access to embedded resources like the eBook, periodic table, reference material, explanations, and sometimes short instructional videos. Clicking Explanation gives a detailed solution to the problem and then presents the student with a new problem to answer for credit. The goal is to master each topic.

❖ Both kinds of ALEKS assignments require great attention to detail; this is a needed skill in chemistry and one that will transfer to any career path.

ALEKS Pie Progress (10% of grade)

The ALEKS Pie Progress grade tracks mastery of topics throughout the semester. Students show mastery through correctly answering questions on ALEKS Homework assignments, Modules, and Knowledge Checks.

- ALEKS Knowledge Checks assess the student's mastery at the beginning of the semester and a couple of times during the semester. They are used to personalize learning and ensure retention of learning. They may contain up to 25 questions. It is to the student's advantage to try to reason out the answer or even make a guess on these knowledge checks because ALEKS updates the Pie Progress chart and adapts the cycles of learning/assessing based on these answers.
- It is possible to lose part of the Pie Progress Goal if mastery is not retained (and it is possible to re-gain it later). Again, the goal is to master each topic and retain that knowledge.
- The Pie Progress Goal is expected to start out at a low percentage and increase as the student masters more topics. The student should not be alarmed by a low Pie Progress grade early in the semester.

Attendance (2% of grade)

- Attendance is mandatory for this course.
- You are expected to attend all classes. Chemistry is too hard to learn on your own. Some lecture material not found in the text may be presented during the semester and may show up on exams.
- Attendance is tracked through the Blackboard Attendance feature.
- Students who are late to class will lose attendance points.
- Attendance points may be lost for attitude, teamwork, and/or other interpersonal issues.

Labs (25% of grade)

The laboratory portion of the course counts towards 25% of the overall course grade.

Regular Experiments	80% of lab grade	20.0% of course grade
Behavior, Safety, & Teamwork	10% of lab grade	2.5% of course grade
Experimental Design (Exp. 13)	10% of lab grade	2.5% of course grade
Total	100% of lab grade	25.0% of course grade

Regular Experiments:

- Students are expected to attend all laboratory periods. There is no make-up experiment. "I have to work"

is not an acceptable excuse for missing a laboratory period.

- There will be 12 experiments performed during the laboratory periods over the course of the term.
- A schedule of experiments with specific due dates will be provided as a separate handout on the first day of class. It is the students' responsibility to check for current requirements and due dates.
- Students earn three grades for each week's Regular Experiments: Prelab grade, During Lab grade, and BST grade.
  - ❖ Prelaboratory Assignments
    - Prelaboratory Assignments accompany each experiment in the lab manual and must be completed prior to working the experiment. This is a safety issue because the last question on every Prelaboratory Assignment requires the student to note any special safety cautions for that lab.
    - Prelaboratory Assignments are due at the beginning of the laboratory period. <u>Students who do not turn in a completed Prelaboratory Assignment at the beginning of lab will not be allowed to participate in that experiment and will receive a grade of zero on that experiment.</u>
    - Copying answers on any PreLab or During Lab will not be tolerated. Lab papers that appear to have answers copied from other students or internet sources or that appear to have cheated in any way will earn a grade of zero.
    - Each PreLab Assignment is worth 25 points.

  - ❖ During Lab Assignments
    - Every experiment consists of data pages for recording data and observations during the experiment and post-lab questions to be completed during or after the experiment. Together, these pages are the "During Lab" assignment.
    - Unless stated otherwise, During Lab Assignments are due at the end of the laboratory session. Any experiments not completed and turned in will receive a grade of zero.
    - <u>Any student earning a zero grade on three or more "During Lab" assignments will earn a grade of "F" in this course.</u>
    - Students may not leave lab before the experiment is completed without permission of their lab partner(s) and instructor; students doing so may earn a grade of zero on that experiment.
    - Students should allot at least three hours to complete experiments each lab session.
    - Each During Lab Assignment is worth 75 points.

❖ Behavior – Safety – Teamwork (BST) grade

- This grade holds the student accountable to behave safely in lab and to work well with fellow students.

  Laboratory Conduct and Attire

  - Students are expected to adhere to the guidelines set forth in the "Commitment to Laboratory Safety Pledge" and in the safety video.
  - Students must wear long pants covering their ankles—closed shoes (no exposed skin), and shirts that cover their shoulders and middles.
  - Approved safety glasses/goggles are to be worn at all times in the lab. Students who wear corrective vision glasses must have elastic-strap safety goggles that cover the entire glasses and seal against the forehead.
  - Long hair should be pulled back.
  - All jewelry – rings, watches, bracelets, etc. – should be removed.
  - Failure to follow laboratory safety protocols could result in injury to yourself or others and will result in reduction of your laboratory grade.
  - <u>Students not dressed appropriately for lab will be asked to leave and will earn a grade of zero on that experiment for During Lab and for the BST grade.</u>
  - Each BST grade is worth 20 points.

Experimental Design

- Students will work to design an experiment to accomplish a specific goal relevant to General Chemistry I. More detail will be provided during the semester.

Required Instructional Materials:

Lecture Textbook

***Chemistry, Atoms First* – Burdge & Overby; 5th Edition with ALEKS**
Publisher: **McGraw Hill** **ISBN Number: 9781266257483**

Inclusive Access: NTCC has negotiated with the publisher to obtain a discounted price for the lecture course materials. The student's eBook and ALEKS are included in the price of tuition and will be available on the first day of class through a link in Blackboard - Start Here folder. The materials are required for this class and essential for student success. Optional print copies of the textbook, in addition to electronic access, are available in the College Store for purchase at a discounted price. Through June 11, 2026, the student may opt out of purchasing these materials from the College Store. If a student chooses to opt out, NTCC will issue a refund for the Inclusive Access, and the student will be responsible for purchasing the eBook and ALEKS from another vendor.

Lab Supplies

Lab Manual for CHEM 1411 – *Experiments in General Chemistry I*
Publisher: **NTCC Printing**, available only in NTCC College Store

Lab Safety Personal Protection Equipment (PPE)

- Approved safety glasses are available in the college store, and other safety glasses and safety goggles are also available from online retailers. Students who wear corrective-vision glasses must have elastic-strap safety goggles that cover the entire glasses and seal against the forehead. Always check with your instructor before purchasing eye protection from somewhere other than the NTCC College Store.
- Beginning Thursday, June 11, students arriving to lab without proper safety glasses or goggles will not be allowed to participate in the experiment and will receive a grade of zero for that experiment. Before that date, safety glasses/goggles may be rented from the instructor for the cost of five (5) points deducted from the behavior, safety, and teamwork (BST) grade.

Pencils and Erasers

Pencil is mandatory for writing on quizzes and exams. A strong, sturdy eraser is required to ensure that your work is professionally presentable. Any papers submitted in pen will not be graded and will receive a grade of zero. Any papers that are too sloppy, messy, or unreadable will incur severe point deduction.

Minimum Technology Requirements:

- Access to a computer with the internet is required for this course. Computers are available on campus in the STEM Lab (MS 112) and the Learning Commons.
- Scientific Calculator - TI-36x Pro or TI-30Xa is recommended, but other models will work; check with your instructor. <u>You will NOT be allowed to use a graphing calculator, programmable calculator, or cell-phone calculator during any exam in this course.</u>

Required Computer Literacy Skills:

- Web browsing skills for working with the online homework system
- Ability to use Blackboard for access to course information
- Competent and professional emailing skills
- Functional use of MS Word and Excel for writing lab reports

- Video conferencing capability using Teams through computer or mobile phone.

Course Structure and Overview:

- Course Format: Face-to-Face

  Both the lecture and laboratory portions of this course will be conducted in the traditional face-to-face format during the scheduled times as posted.

  - Lecture Sessions: Monday - Thursday 10:20am-1:10pm

    Lecture will take approximately two-thirds of the class time, while the rest of the class time students will be working in small groups on a paper quiz. Occasionally students will complete a take-home quiz. Additionally, students are expected to work on assignments, read the book, and study a minimum of 3 hours outside of class for every one hour of class time. Additional course material may also be presented fully online through videos and the course Blackboard page.

  - Laboratory Sessions: Monday - Thursday 2:00-4:10pm

    Detailed instructions, guidelines, and descriptions of what is expected for laboratory sessions can be found in the Evaluation/Grading Policy section of the syllabus. Some days additional lecture sessions or exams will be scheduled during the lab time. On days with experiments scheduled, students should plan to be working in the lab for at least three hours. Students are expected to follow posted schedules and the professor's instructions.

Communications:

- Students are expected to check Blackboard and their NTCC email accounts regularly.
  The primary communication between instructors and students in this course is face-to-face during lecture, laboratory sessions and office hours. Students are expected to ask questions, participate in discussions during lecture and laboratory sessions, and seek assistance from the instructor and tutors in person.
- NTCC email is the official form of communication used by the college.
  Any out-of-class announcements will be made using Blackboard's Announcement feature which will also send a copy of the message to your NTCC email. The messaging feature of Blackboard is turned off.

Institutional/Course Policy:

- Withdrawal Date (Drop Date)
  Wednesday, July 1, 2026 is the last day to withdraw from the course with a grade of "W". If you stop attending class and fail to officially withdraw, expect to earn a grade of "F" in the course.
- Late Enrollment of Students
  Students that have enrolled in the course after the start of the semester are still responsible for any course material from the start of the semester. Quizzes may be made up if the student discusses in person with the instructor on their first day of class after enrollment. Otherwise, grades of zero will be given on these quizzes. ALEKS due dates will not be changed for late-enrolled students. Late assignment policies in ALEKS still apply.
- Extra Credit Opportunities
  There are many ways to earn "Extra Credit" in this course. There will be no additional extra credit at the end of the semester to bump up student grades.
  - 10% of each exam is extra credit (meaning students can earn up to 110% on each unit exam).
  - Each chapter has a Practice Homework assignment for extra credit.
  - Completing the course evaluation at the end of the semester adds 3 extra credit exam points.
  - Additional extra credit opportunities may become available during the semester at the discretion of the instructor. These will be announced during class or on Blackboard.
- Student Responsibilities/Expectations:
  - This course covers a lot of material and moves rapidly, so the student must guard against falling behind.

- Chemistry is learned through practice. The student should expect to spend a minimum of three hours outside of class for every one hour in class, working problems, reading the textbook to be successful, and studying. If a particular topic is challenging, the student may even need to work problems from the textbook that are not assigned.
- A student should readily seek help from the instructor or other people. If the student waits too long to seek help, the student may not be able to catch up.
- Working with a classmate on the homework is permissible as long as each classmate is understanding the concepts and not just ignorantly copying answers. There is a difference between working together and cheating.
- Begin preparing for an exam before the night before the exam. Topics in chemistry build upon one another, causing a student who only barely masters the material to struggle through the entire course and in future chemistry courses.
- Questions and/or observations are encouraged during the class period. Courteous and attentive behavior is always expected.
- Like all colleges, Northeast Texas Community College strives to be a "community of scholars." Each student in this class is pursuing very important goals for their lives. Therefore, every student is expected to be courteous and considerate toward other students throughout the lecture and laboratory portions of this course.

- Electronic Devices Policy
  - Use of cell phones for unapproved purposes is prohibited during class and lab time. Students using phones during lab will be asked to leave lab and will earn a grade of zero for that lab period.
  - Students are not to be in possession of electronic devices (phones, music players, watches, computers, tablets, headphones, etc.) during an exam. Students found with devices other than scientific calculators during an exam will earn a grade of zero on that exam.

Eagle Assist

At Northeast Texas Community College, we understand that students may need support that extends beyond the classroom. "Eagle Assist" is the place to start when looking for that type of assistance. Our support system is here to help a student succeed in both academic and personal growth. www.ntcc.edu/eagleassist

Services provided:

Mental health counseling
Classroom accommodations
NTCC Care Center Food & Hygiene Closet
Financial literacy
Tutoring

Mental Health Counseling Services are available on campus – in person and online – to all NTCC students at no cost. If you are experiencing concerns, you may contact counseling-center@ntcc.edu or call 903-434-7825. Open Monday – Thursday, 8am – 6pm; Friday, 8am - noon.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (http://www.ntcc.edu/) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format

as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Employees and students shall be permitted to explore artificial intelligence (AI) and implement its use in and out of the classroom in accordance with policy and administrative regulations. The use of AI shall only be as a support tool to enhance student outcomes or as necessary to engage in research and shall never take the place of faculty, staff, and student decision-making. Any use of AI must comply with law, policy, and administrative regulations relating to student and employee privacy and data security. A student shall only use AI tools with faculty permission and shall be expected to produce original work and properly credit sources, including AI tools used in creating the work.

Example:
APA (7th edition)

OpenAI. (2026). ChatGPT (March 25 version) [Large language model]. https://chat.openai.com/

MLA (9th edition)

OpenAI. ChatGPT. 25 Mar. 2026, https://chat.openai.com/.

Employees or students who use AI tools to deceptively harm, bully, or harass others shall be disciplined in accordance with policy. [See DH, DIA series, FFD series, FFE, FLB, and the FM series] AI Use by Employees and Students. Northeast Texas Community College 225500 TECHNOLOGY RESOURCES CRB ARTIFICIAL INTELLIGENCE (LOCAL) DATE ISSUED: 12/8/2025 1 of 1 UPDATE 50 CRB(LOCAL)-AJC Adopted: 12/16/2025

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodation for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to request accommodation. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance,

most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Schedule:

Day 1 Matter, Measurements, Significant Figures, Lab Safety
Day 2 Dimensional Analysis, Density, The Periodic Table, Identification of an Unknown Lab
Day 3 Atoms, Isotopes, Moles, Bohr, deBroglié, Measurements Lab
Day 4 Quantum Mechanics, Electron Configurations, Periodic Trends
Day 5 EXAM 1, Compounds, Binary Molecular Nomenclature, Trends in Reactivity Lab
Day 6 Determining Formulas, Polyatomic Ions, Empirical Formula Lab
Day 7 Covalent Bonding, VSEPR Theory, Intermolecular Forces, Valence Bond Theory, Hybrid Orbitals
Day 8 Valence Bond Theory, Review
Day 9 EXAM 2, Molecular Orbital Theory, Molecular Geometry Lab
Day 10 Chemical Equations, Stoichiometry, Pi Bond Lab
Day 11 Solutions, Dilution, pH, Electrolytes, Precipitation Reactions, Neutralization Reactions
Day 12 Quantitative Analysis, Synthesis Lab
Day 13 EXAM 3, Acid-Base Reactions, Spectroscopy Lab
Day 14 Enthalpy, specific heat, Aqueous solutions Lab
Day 15 Calorimetry, Uses of Enthalpy, Acid-Base Titration Lab
Day 16 Hess' Law, Bond Dissociation Energy, Review
Day 17 EXAM 4, Gases, Pressure, Gas laws, Heat of Reaction Lab
Day 18 Gas Stoichiometry, Real Gases, Experimental Design Lab
Day 19 EXAM 5
Day 20 ACS FINAL EXAM