



Introductory Chemistry I Lecture
CHEM 1306

Course Syllabus & Class Addendum
Fall 2024

Instructor Contact Information

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| Instructor | Conor Smith |
| Email | casmith4@lit.edu |
| Office Location | MPC 238 |
| Office Hours | Monday - Thursday: 9 am – 4 pm Friday: 10 am – 12 pm |

CHEM 1306 Course Objectives

Upon the completion of this course students should be able but not limited to:

1. Define the fundamental properties of matter (mass, volume, and density...)
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 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. Identify general characteristics of organic compounds

Lecture Course Requirements/ Evaluation

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|---------------------------|------|
| 1. ALEKS Homework | 30 % |
| 2. Common CORE Assignment | 15 % |
| 3. Test 1 | 10 % |
| 4. Test 2 | 10 % |
| 5. Test 3 | 10 % |
| 6. Final Exam | 25 % |

Grade Scale

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|----------|---|
| 90 – 100 | A |
| 80 – 89 | B |
| 70 – 79 | C |
| 60 – 69 | D |
| 0 – 59 | F |

Required & Supplementary Materials

1. Required Textbook: OpenStax, Chemistry 2e

- free to access through blackboard or the OpenStax website
2. Supplementary Textbook: Bauer, Introduction to Chemistry 6th
 3. ALEKS Chemistry (Introductory College Chemistry)
 4. Scientific Calculator

Course Schedule (subject to change)

| Week | Dates (Mon-Sun) | Topic | Assignments | Due Date (11:59 PM) |
|---------|-----------------|--|---|--------------------------------|
| Week 1 | Aug 26 – Sep 1 | Module 1: Matter & Energy | Module 1 ALEKS Assignments | 9/1 9/1 |
| Week 2 | Sep 2 – Sep 8 | Module 2: Atoms, Ions & The Periodic Table | Module 2 ALEKS Assignments | 9/8 9/8 |
| Week 3 | Sep 9 – Sep 15 | Module 3: Chem. Compounds | Module 3 ALEKS Assignments Test 1 (M 1, 2, 3) | 9/22 |
| Week 4 | Sep 16 – Sep 22 | | | 9/22 9/23 |
| Week 5 | Sep 23 – Sep 29 | Module 4: Chem. Composition | Module 4 ALEKS Assignments | 9/29 9/29 |
| Week 6 | Sep 30 – Oct 6 | Module 5: Chem. Reactions | Module 5 ALEKS Assignments | 10/13 |
| Week 7 | Oct 7 – Oct 13 | | | 10/13 |
| Week 8 | Oct 14 – Oct 20 | Module 6: Chem. Bonding | Module 6 ALEKS Assignments Test 2 (M 4, 5, 6) | 10/20 10/20 10/21 |
| Week 9 | Oct 21 – Oct 27 | Module 7: Gases | Module 7 ALEKS Assignments | 10/27 10/27 |
| Week 10 | Oct 28 – Nov 3 | Module 8: Solutions | Module 8 ALEKS Assignments | 11/3 |
| Week 11 | Nov 4 – Nov 10 | Module 9: Acids & Bases | Module 9 ALEKS Assignments | 11/10 |
| Week 12 | Nov 11 – Nov 17 | Module 10: Organic Chemistry | Module 10 ALEKS Assignments | 11/24 |
| Week 13 | Nov 18 – Nov 24 | | | |
| Week 14 | Nov 25 – Dec 1 | Thanksgiving | Test 3 (M 7, 8, 9, 10) | 11/25 |
| Week 15 | Dec 2 – Dec 8 | Review + CORE | CORE Assignment | 12/2 |
| Week 16 | Dec 9 – Dec 11 | Final Exams | Final Exam | 12/9 |

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

Additional Course Policies/Information

1. Each module has assigned topics and homework problems through ALEKS. If you experience any issues with ALEKS, look over the materials in the course information folder and if none of these fixes work then contact me so that we can find a solution.
2. All late work will be subjected to a late penalty (typically 10 points) unless in exceptional circumstances. Final exams cannot be submitted late.
3. Students will not be automatically dropped from the class due to poor attendance or grades. Discontinuing class attendance without properly submitting a drop request will result in a failing grade (F). If you wish to drop a course, the student is responsible for initiating and completing the drop process.
4. It shall be considered a breach of academic integrity to collaborate with other students during any/all examinations completed throughout the class (i.e. complete tests/questions as a group). Examinations cannot be submitted after correct answers are revealed to the class to ensure academic integrity.
 - 1st Offense: The exam will be taken from the student and the student will receive a grade of ZERO (0) for the exam which will be averaged into the student's class average and there will be NO MAKEUP of the test.
 - 2nd Offense: The student will be removed from the class and will receive a grade of FAILING (F) for the entire lecture and lab grade.
5. Students with special needs and/or medical emergencies or situations should communicate with their instructor regarding individual exceptions/provisions. It is the student's responsibility to communicate such needs to the instructor.

Please check the LIT academic calendar for important dates & holidays