



**Introductory Chemistry I Lecture**  
**CHEM 1306 - Online**

**Course Syllabus & Class Addendum**

**Instructor Contact Information**

<b>Instructor</b>	Conor Smith
<b>Email</b>	<a href="mailto:casmith4@lit.edu">casmith4@lit.edu</a>
<b>Office Location</b>	MPC 238
<b>Office Hours</b>	M – R: 9 am – 4 pm F: 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**

1. Lecture Videos	5 %
2. Discussion Boards	5 %
3. ALEKS Homework	20 %
4. Common CORE Assignment	15 %
5. Test 1	10 %
6. Test 2	10 %
7. Test 3	10 %
8. Final Exam	25 %

## **Grade Scale**

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

## **Required & Supplementary Materials**

1. OpenStax Chemistry 2e Textbook (free access through blackboard or OpenStax website)
2. Scientific Calculator

## Course Schedule (subject to change)

Week	Dates (Mon-Sun)	Topic	Assignments	Due Date (11:59 PM)
Week 1	Jan 15 – Jan 21	Module 1: Essential Ideas	Netiquette & Intro Discussions Module 1 Lecture Videos Module 1 ALEKS Homework	1/21 1/28 1/28
Week 2	Jan 22 – Jan 28	Module 2: Atoms, Ions & Molecules	Module 2 Lecture Videos Module 2 ALEKS Homework Discussion 1	2/4
Week 3	Jan 29 – Feb 4			2/4
Week 4	Feb 5 – Feb 11	Module 3: Chemical Composition	Module 3 Lecture Videos Module 3 ALEKS Homework Test 1 Review	2/9 2/9 2/11
Week 5	Feb 12 – Feb 18	Module 4: Reaction Stoichiometry	<b>Test 1 (M 1, 2, 3)</b> Module 4 Lecture Videos Module 4 ALEKS Homework Discussion 2	<b>2/12</b>
Week 6	Feb 19 – Feb 25			2/25 2/25
Week 7	Feb 26 – Mar 3	Module 5: Chemical Bonding	Module 5 Lecture Videos Module 5 ALEKS Homework Discussion 3	3/10
Week 8	Mar 4 – Mar 10			3/10 3/10
Week 9	Mar 11 – Mar 17	Spring Break	-----	-----
Week 10	Mar 18 – Mar 24	Module 6: Gases	Module 6 Lecture Videos Module 6 ALEKS Homework Test 2 Review	3/22 3/22 3/24
Week 11	Mar 25 – Mar 31	Module 7: Solutions	<b>Test 2 (M 4, 5, 6)</b> Module 7 Lecture Videos Module 7 ALEKS Homework	<b>3/25</b> 3/31 3/31
Week 12	Apr 1 – Apr 7	Module 8: Acids & Bases	Module 8 Lecture Videos Module 8 ALEKS Homework	4/14
Week 13	Apr 8 – Apr 14			4/14
Week 14	Apr 15 – Apr 21	Module 9: Organic Chemistry	<b>CORE Assignment</b> Module 9 Lecture Videos Module 9 ALEKS Homework Test 3 Review	<b>4/21</b>
Week 15	Apr 22 – Apr 28			4/26 4/28
Week 16	Apr 29 – May 5	Catch Up/Review	<b>Test 3 (M 7, 8, 9)</b>	<b>4/29</b>
Week 17	May 6 – May 10	Final Exam	<b>Final Exam (Comprehensive)</b>	<b>5/6</b>

## **Additional Course Policies/Information**

1. Each unit has assigned homework problems through ALEKS. Communication is KEY, if there are any issues, please contact me ASAP so we can find a solution.
2. Makeup work may only be made up at the instructor's discretion. It is the responsibility of the student to contact the instructor as soon as possible to arrange for makeup work.
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. If you stop coming to class and fail to drop the course, you will earn an 'F'.
4. It shall be considered a breach of academic integrity (cheating) to use or possess on your body any of the following devices during any examination unless it is required for that examination and approved by the instructor:
  - Cell phone
  - smart watch
  - laptop
  - tablet
  - electronic communication devices (including optical)
  - earphones connected to or used as electronic communication devices.

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.

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 LIT calendar for important dates & holidays**