



**Introductory Chemistry (Chem 1106)**  
**Lab**

*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 1106 Course Objectives**

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

1. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.
2. Demonstrate safe and proper handling of laboratory equipment and chemicals.
3. Conduct basic laboratory experiments with proper laboratory techniques.
4. Make careful and accurate experimental observations.
5. Relate physical observations and measurements to theoretical principles.
6. Interpret laboratory results and experimental data and reach logical conclusions.
7. Record experimental work completely and accurately in laboratory notebooks and communicate experimental results clearly in written reports.
8. Design fundamental experiments involving principles of chemistry.
9. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

## **Course Requirements/ Evaluation**

- |                                  |     |
|----------------------------------|-----|
| 1. Safety Agreement / Assignment | 5%  |
| 2. Virtual Labs                  | 60% |
| 3. Common CORE Assignment        | 15% |
| 4. Final Exam                    | 20% |

## **Grade Scale**

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

## **Required Materials**

1. OpenStax Chemistry 2e Textbook (free to access and use through blackboard)
2. Scientific Calculator

## Course Schedule (subject to change)

<b>Week</b>	<b>Date</b>	<b>Assignments</b>	<b>Due Date (11:59 PM)</b>
<b>1</b>	Jun 3 – Jun 9	Virtual Lab 1: Virtual Lab Tutorial Virtual Lab 2: Safety	6/7 6/7
<b>2</b>	Jun 10 – Jun 16	Virtual Lab 3: Scientific Method	6/14
<b>3</b>	Jun 17 – Jun 23	Virtual Lab 4: Density	6/21
<b>4</b>	Jun 24 – Jun 30	Virtual Lab 5: Replacement Reactions	6/28
<b>5</b>	Jul 1 – Jul 7	Virtual Lab 6: Stoichiometry	7/5
<b>6</b>	Jul 8 – Jul 14	Virtual Lab 7: Molecular Models	7/12
<b>7</b>	Jul 15 – Jul 21	Virtual Lab 8: Diffusion	7/19
<b>8</b>	Jul 22 – Jul 28	Virtual Lab 9: Titration	7/26
<b>9</b>	Jul 29 – Aug 4	<b>CORE Assignment</b>	8/2
<b>10</b>	Aug 5 – Aug 9	<b>Final Exam</b>	8/7

## **Additional Course Policies/Information**

1. SAFETY GLASSES MUST BE WORN AT ALL TIMES IN THE LAB, NO EXCEPTIONS.
2. Students will not be automatically dropped from the class due to poor attendance or grades. The student is responsible for initiating and completing the drop process. Discontinuing class attendance without properly submitting a drop request will result in a failing grade (F).
3. Students are expected to stay for the full duration of the lab period or until all data is taken, calculations are performed, and the lab assignment is turned in. Reports are to be neat and complete. DO NOT USE RED INK. Corrections should be made by a single line through the incorrect data and the correction entered next to the old data.
4. Safety rules must always be abided by. Any student who continually breaks the safety rules will be removed from the class to ensure the safety of the other students in the class.
5. Clean up the workstation and the glassware used during the experiment. Points will be deducted for poor laboratory habits and leaving dirty glassware and dirty workstation behind.
6. No food, drinks, or use of tobacco products in lab.
7. During class time, all electronic devices need to be turned to silent or off, unless prior approval has been given by instructor to have them set to vibrate. (Permission will only be given in emergency situations.) 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)
  - Air pods/Earphones connected to or used as electronic communication devices1st Offense: The exam will be taken from the student and the student will receive a grade of ZERO (0) for the exam 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.
8. Children are not allowed in the laboratory at any time.
9. Attendance in lab is mandatory. There is no make-up for missed labs, missed labs will result in a grade of zero (0) except in exceptional circumstances. At the end of the semester, three missed labs (grades of 0) will result in an automatic failing grade (F) for the course.

**Check LIT calendar for important dates & holidays**