



## **General Chemistry (Chem 1111) 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: 9 am – 12 pm

## **CHEM 1111 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. Lab Reports                   | 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

**CHEM 1111: Course Schedule (subject to change)**

<b>Week</b>	<b>Dates (Mon-Sun)</b>	<b>Lab</b>
Week 1	Jan 15 – Jan 21	Safety
Week 2	Jan 22 – Jan 28	Density
Week 3	Jan 29 – Feb 4	Nomenclature
Week 4	Feb 5 – Feb 11	Definite Composition
Week 5	Feb 12 – Feb 18	Percent Composition
Week 6	Feb 19 – Feb 25	Cation-Anion
Week 7	Feb 26 – Mar 3	Titration
Week 8	Mar 4 – Mar 10	Replacement Reactions
Week 9	Mar 11 – Mar 17	<b>Spring Break</b>
Week 10	Mar 18 – Mar 24	Copper Reaction Series
Week 11	Mar 25 – Mar 31	VSEPR
Week 12	Apr 1 – Apr 7	Dry Lab Makeup
Week 13	Apr 8 – Apr 14	<b>CORE Assignment</b>
Week 14	Apr 15 – Apr 21	Final Exam Review / Help Session
Week 15	Apr 22 – Apr 28	Final Exam Review / Help Session
Week 16	Apr 29 – May 5	<b>Final Exam</b>
Week 17	May 6 – May 10	-----

## **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. Two absences are allowed. If a student is tardy to class or departs early three (3) times, it will be equal to one (1) absence. 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**