



## Course Syllabus

Course #: CHM1615 Course Name: Gen Chem Lab I

Division: A&S

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**Class Days:**

**Class Time:**

**Location:** Classroom:

Laboratory:

**Credit Hours:** 1

**Contact Hours:** 3

**Lab Hours:** 3 **Lecture Hours:** 0

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**Instructor:**

**Office Location:**

**Phone:**

**Email Address:**

**Office Hours:**

**Division Office/Location:** A-202

**Division Fax:**

**Full-time Contact Person:** Nancy Sattler, Ph.D.

**Phone(s):** 419.559.2179

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### Course Description:

This is a sequence of experiments to accompany CHM 1610. (Fall)

**Prerequisite(s):** *See CHM 1610*

**Corequisite(s):** *CHM 1610*

### Entry Level Skills and Knowledge:

### Required Texts, Supplies and Equipment:

*Experimental Chemistry* 7<sup>th</sup> ed., Hall, 2007, Houghton Mifflin Company.

*Bound Composition Notebook.*

*Laminated Periodic Table.*

### Grading:

14 Prelabs @ 10 pt	140
14 Postlabs @ 25 pt	350
Safety Quiz @ 5 pt	5
Participation @ 5 pt	<u>5</u>
	500

A = 450-500

B = 400-449

C = 350-399

D = 300-349

F = <299

### Learning Outcomes:

General Education

This course addresses the following General Education goals of Terra:

1. Communicate effectively.
2. Evaluate arguments in a logical fashion.
4. Employ the methods of inquiry characteristic of natural sciences, social sciences, mathematics, and the arts and humanities.

## Technical Education

### Assessment of Student Learning:

This course may include a project that is one of several that will be used by faculty to assess student academic performance in the program. A panel of faculty will review all (projects or whatever assessment activity you are doing), then assess and summarize the academic performance of students at this point in the program. The results of this assessment will be shared among the department faculty, used to identify needed changes or improvements, and submitted to the Student Academic Assessment Committee as part of the college's overall student academic assessment effort.

Assessment Project and Measurement in course (if any):

### Plan of Work:

Week	Activities
1	Introduction and Safety Lab/Quiz
2	Exp 3: Density Determinations
3	No Lab
4	Exp 7: Identification of a Substance
5	Exp 10: Counting by Weighing
6	Exp 12: Hydrates
7	Exp 14: The Gas Laws Choice III: Grahams Law
8	Exp 15: Molar Mass of a Volatile Gas
9	Exp 17: Calorimetry
10	Exp 18: Atomic Spectroscopy
11	Exp 20: Properties of Some Representative Elements
12	Exp 19: Molecular Properties
13	Exp 4: The Determination of Boiling Point
14	No Lab
15	Exp 23: Colligative Properties of Solutions
16	Lab Clean-up and Check out
17	No Lab

### Course Requirements:

Completion of 13 out of 14 experiments and earn greater than 60% of the possible points. Following safety rules including the use of approved goggles at all times.

## **Policies**

**Course Withdrawing:** If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic “F.” Please follow official College procedure for withdrawing from this or any course.

*College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at <https://www.terra.edu/register/Collegecat/policies.asp>.*

**Support Services:** The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

***If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.***

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).