



Marshall University Syllabus
College of Science
Chemistry

Course

CHM 217, Principles of Chemistry Laboratory I

Course Description

A laboratory course that demonstrates the application of concepts introduced in CHM 211.

Credits

2.00 credits

Prerequisites

Corequisite: CHM 211

Term/Year

Fall 2021

Class Meeting Days/Times

2:00 - 4:50 PM Thursdays

Location

Science Building 473 (prelab lecture)

Science Building 474/476 (laboratory activities)

Academic Calendar

For beginning, ending, and add/drop dates, see the [Marshall University Academic Calendar](http://www.marshall.edu/academic-calendar/) (URL: <http://www.marshall.edu/academic-calendar/>).

Instructor

Dr. Laura McCunn-Jordan

**please call me Dr. McCunn*

Contact Information

- Office: S 466 (all office hours will be held virtually)
- Office Hours: held virtually 1:30-4:00 Tuesdays and Wednesdays. Schedule at least 1 hour in advance via Microsoft Bookings:

https://outlook.office365.com/owa/calendar/DrMcCunnOfficeHours@livemars hall.onmicrosoft.com/bookings/s/IDzRreI38EmTQ6x4PU_aKg2

If you can't meet during those times or if you need help on short notice, email or call the instructor to request an appointment.

- Office Phone: 304-696-2319 (this *should* forward to my cell phone)
- Marshall Email: mccunn@marshall.edu

COVID-19 Related Information

Marshall's official COVID-19 protocols are online at <https://www.marshall.edu/coronavirus> (URL: <http://www.marshall.edu/coronavirus/>). Policies and protocols may change over time as we respond to changing conditions. The website will always contain the most recent information.

Key policies at the start of the Fall 2021 semester include the following:

- **Masks are required for everyone in all public indoor spaces on university property, regardless of one's vaccination status.** These spaces include classrooms, labs, office suites, hallways, lobbies, stairwells, etc. Instructors may choose to teach either while wearing a mask or face shield or while standing behind the plexiglass barrier in the classroom.
- **In order to remain in in-person classes, students must sign the Marshall Return to Campus Student Agreement** that outlines public health expectations and University COVID-19 policies: <https://bit.ly/2VP3Naa> (URL: <https://bit.ly/2VPENaa>).
- **In order to remain in in-person classes for the Fall 2021 semester, students must submit their current vaccination status** in the online Student Vaccination Registry here: <https://mubert.marshall.edu/vaccinerecord.php> (URL: <https://mubert.marshall.edu/vaccinerecord.php/>). The registry offers several possible responses, including an option to not disclose vaccination status.
- **Students will disinfect their personal workspaces and virtual learning hubs** with disinfectant wipes provided nearby.
- **Students who are unable to follow University requirements due to a disability** should seek reasonable accommodations from the Office of Disability Services (ODS) during the first week of class.

Required and/or Recommended Texts and Materials

1. CHM 217 Lab Manual (available at bookstore)
2. Access to MU Online and a Marshall email account
3. Composition notebook with sewn binding (*not spiral-bound*) and blue/black ink pen

Grading Policy

Lab notebook	125	points
Quizzes (given at start of lab each week)*	50	points
Lab reports*	550	points
Exam 1	125	points
Exam 2	125	points
Instructor's evaluation of student performance**	25	points
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	1000	TOTAL POINTS

*Each student's lowest lab report grade and lowest quiz grade will be dropped.

** The instructor's evaluation of student performance will be based on preparation for lab, on-time arrival, observation of safety rules, and proper maintenance of laboratory facilities. Students may lose these points for offenses such as, but not limited to: failure to watch prelab presentations before lab, tardiness, improper waste disposal, safety violations, leaving a mess on the balances, failure to return/store lab equipment before leaving lab.

Grading Scale A: 90-100%, B: 80-89%, C: 70-79%, D: 60-69%, F: 0-59%

The percentage of total points earned will be rounded to the nearest whole percentage. If you believe there has been an error in the grading of your work, please consult Dr. McCunn during office hours or via email.

Attendance/Participation Policy

There is limited time to complete each experiment, so tardiness cannot be accommodated. If a student does not arrive by the end of prelab lecture, he/she/they will not be allowed to complete the lab and will receive a grade of zero on that report.

Each student's lowest report grade and lowest quiz grade will be dropped from their overall grade. Because of this policy, students with unexcused absences will not be allowed to make up missed work. Late work will not be accepted without a university-approved excuse.

Students with excused absences should contact the instructor **as soon as possible** to make arrangements for an accommodation. Absences related to coronavirus will be treated as excused absences. A student's first excused absence may be made up by attending a makeup lab, scheduled immediately after Exam 2. If the makeup lab is not completed, a grade of zero will be given for the missed lab, which can be counted as the dropped lab report grade. For subsequent excused absences, the student must contact the instructor **as soon as possible** to arrange a makeup lab assignment.

The Department of Chemistry policy, stated in the university catalog, requires that students complete at least 75% of laboratories to receive credit for the course. A student who misses 4 or more in-person laboratories, excused or unexcused, will need to confer with the instructor and consider withdrawing from the course.

Academic Integrity Policy

Each student should read the university's Academic Dishonesty Policy carefully. It is expected that each student will complete all assignments without help from any other person. Submitting assignments containing material from Chegg, Reddit, Course Hero, previous/current students of this class, or any other outside entity will be considered academic dishonesty and reported in

accordance with university policy. Posting any material from the lab manual or a class assignment in a public forum, social media, or website is a copyright violation and will also be reported as academic dishonesty. If a student receives a reduced grade on an assignment due to academic dishonesty, that grade may not count as the lowest lab report or quiz grade to be dropped.

University Policies

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [MU Academic Affairs: University Policies](http://www.marshall.edu/academic-affairs/policies/). (URL: <http://www.marshall.edu/academic-affairs/policies/>)

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Dead Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy
- Students with Disabilities (Policies and Procedures)
- University Computing Services Acceptable Use Policy

Course Schedule

Date	Experiment #	Topic
8/26	1 Part 1	Methods of Measurement
9/2	1 Part 2	Determination of Sugar in Soft Drinks
9/9	2	Separating Components of a Mixture
9/16	5	Determination of an Empirical Formula
9/23	4	Determination of the Percent Oxygen in Air
9/30	8	Titration of Vinegar
10/7	Exam 1 6	Synthesis of an Alum
10/14	7	Reactions
10/21	9	Heat of Reaction and Heat of Solution
10/22	last day to withdraw from full-semester courses	
10/28	10	Energy in a Peanut: Calorimetry
11/4	11	Combustion! Synthesis and Reactions of Oxygen
11/11	12	Molecular Architecture

11/18	13	Determination of Molar Mass
11/25	no lab, Thanksgiving Break	
12/2	Exam 2; Makeup lab for excused absences	

COVID Contingency Plan

In the event that a class quarantine or university-wide surge in COVID cases forces a switch to remote/virtual teaching, the course will continue with activities or videos posted online. Some of the planned experiments may be replaced with alternate activities. The first experiment that occurs after the switch may be postponed by a day or two.