

## MODERN ANALYTICAL CHEMISTRY

**Instructor:** Dr. Jennifer Schuttlefield  
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Office: HS-415, Phone: 424-7101

**Class Meetings:** Lecture – M/W/F, 8:00-9:00 AM, HS-109  
Labs: M 1:50-5:10 PM, Tu 8:00-11:20 AM, Tu 1:20-4:40 PM HS-451

**Dr. Schuttlefield's Office Hours:** Monday 9-11 AM, Wednesday 9-10 AM or by appointment.  
You are also free to stop by my office at any time. If the door is open I will gladly help you!

**Textbook:** Exploring Chemical Analysis, 5<sup>th</sup> Edition by Daniel C. Harris, Freeman Publishing®

**Calculators:** Each of you should have your own calculator and be able to use it. You will not be allowed to lend or borrow calculators during a test.

### Lecture

Regular attendance in all parts of the course is essential to achieve the course objectives and I expect you to make every effort to attend. An **unexcused** absence during an examination or lab will result in a zero point score for that particular exam or lab. Examples of excused absences include doctor visits, court dates, funerals, etc. There are **no makeup exams for unexcused absences**.

The reason for any **excused** absence from an exam or laboratory session must be presented to me. Emailed excuses are **NOT** enough. Assignments and exams missed for a excused reasons will not be counted against you, but you will be responsible for material covered in your absence. Whenever possible, arrangements should be made in advance for absences.

### Lab

Attendance in laboratory is **required. One unexcused absences** from lab or unsuccessful completion of the laboratory component can result in a failing grade for this course, regardless of exam scores at my discretion. If you miss a lab, you may attend another lab during the same week, IF space allows. Please contact me ahead of time. Make-up labs will **NOT** be allowed for unexcused absences.

Indirect vented safety goggles (must bear the number Z87.1) are required for admission to the first lab period. State law requires that goggles be worn at all times during the lab. They are available at the bookstore, and from the UW Oshkosh Chemistry Club. **No goggles? No lab!**

## Academic Dishonesty

The University of Wisconsin-Oshkosh is built upon a strong foundation of integrity, respect, and trust. All members of the university community have a responsibility to be honest and the right to expect honest from others. Any form of academic dishonesty is unacceptable to our community and will not be tolerated.

As college students (and adults) you are expected to observe high standards of integrity and honesty. Students caught plagiarizing, cheating on exams or in the laboratory are subject to a grade of F for the course and a report being placed in their judicial file.

## Goals and Objectives

1. To learn how to communicate in a scientific way regarding analysis results.
2. To advance problem solving and quantitative reasoning skills.
3. To understand equilibria, learn how to manipulate them and learn how they affect quantitative analyses.
4. To gain experience in common methods of chemical analysis.
5. To develop an ability to conduct a quantitative analysis and report the results.
6. To learn about sustainability in the context of chemistry.

## General Policies

***Classroom Decorum***- Be courteous to your fellow classmates. While pertinent questions are absolutely encouraged, **talking and whispering during lecture are disruptive and annoying to nearby students** trying to listen to the lecture.

***Cell Phones*** must be turned off and put away. This means please no “texting” during class or checking Facebook/Twitter, etc. during class.

**Email etiquette** – I will happily respond to your emails as fast as I can, but please be sure to include in the subject “CHEM221:XXXX” so that I know what the email is referring to. Also, please provide me with as much information as you can about what you are asking and your name. I will not respond to emails that include “text speak”.

It is ***YOUR*** responsibility to check D2L for the points to determine that your scores were entered properly. Any error must be reported within a week of the posting date in order for it to be considered.

## Grading

**Points:** The following point breakdown will be used to determine your course grade.

a.	4 exams at 100 points each	50%
b.	Lab Exercises	40%
c.	Lab performance	5%
d.	Homework/Quizzes	5%
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	Total	100%

These are the “guaranteed” cutoffs. If necessary and sensible, I might lower them.

<b>Grading Scale</b>	
Letter Grade	Percentage
A	95-100
A-	90-94.99
B+	87-89.99
B	83-86.99
B-	80-82.99
C+	77-79.99
C	73-76.99
C-	70-72.99
D+	67-69.99
D	63-66.99
D-	60-62.99
F	Below 60