

Introductory Analytical Chemistry

Chemistry 0250
Fall Term 2025



Course Description: This course is concerned with the rigorous treatment of equilibria that are of analytical importance and with an introduction to mass spectrometry, emission and absorption spectrophotometry, and modern methods of chemical separations, particularly chromatography.

Instructor: Dr. Michelle Ward
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Lecture:
Monday, Wednesday, Friday 9:00-9:50am

Recitation:
Thursday 5:00-5:50pm via ZOOM link in Canvas

Office Hours:
Monday, Wednesday & Friday from 10:00am-11:00pm in room 107 CSC. I am also willing to schedule an appointment to meet outside of the scheduled office hours. Please contact me using "CHEM 0250 Appointment" in the subject line of an email to schedule time. I will be as flexible as possible in my availability. If you prefer, you can text me on my cell number to coordinate a time that works for both of us. (Please be sure to include your name and the fact that you are in my class in your initial text.) You can also just drop by – I have an open-door policy.

Contact Notes:
When sending me an email, please make sure to use "CHEM 0250" in the subject line: this will clearly identify your message as being from a student. I will reply to all emails from students, so if you do not receive a reply within 24 hours, please resend the message – don't just assume that I have received your email. It is best to email through Canvas to ensure no messages are filtered from my inbox.

Required Text:

- We will be using Macmillan Learning through Canvas this semester. It will provide you with access to the ebook for Quantitative Chemical Analysis, Tenth Edition by Daniel C. Harris and Achieve homework. We will also be using TopHat. We will also be using Achieve for HW.

Cell Phones:

Please mute your cell phone during class. Phone rings are disruptive to the class as they interrupt everyone's train of thought.

Homework:

Recommended exercises and problems from the textbook (and other sources) will be announced in class as the term progresses. You will be required to complete assignments that are created on the Achieve platform.

Disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services, 216 William Pitt Union, 412-648-7890/412-383-7355 (TTY), as early as possible in the term. Disability Resources and Services will verify your disability and determine reasonable accommodations for this course.

Academic Integrity

All students are expected to follow the University of Pittsburgh academic integrity guidelines. Violations of the guidelines may result in a ZERO score or a failing grade for the course. A copy of the guidelines may be obtained from the Arts and Sciences Dean's Office or on the web at www.as.pitt.edu/faculty/policy/integrity.html.

Sexual Misconduct, Required Reporting, and Title IX

Pitt is committed to maintaining an environment free from unlawful harassment and discrimination. The University is committed to combatting sexual misconduct. As a result, you should know that University faculty and staff members are required to report any instances of sexual misconduct, including harassment and sexual violence, to the University's Title IX office so that the victim may be provided appropriate resources and support options. What this means is that as your professor, I am required to report any incidents of sexual misconduct that are directly reported to me, or of which I am somehow made aware.

A list of the designated University employees who, as counselors and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here:

<https://www.titleix.pitt.edu/civil-rights-title-ix/make-report>

If you are the victim of sexual misconduct, Pitt encourages you to reach out to these resources:

- Title IX Office: 412-648-7860
- SHARE @ the University Counseling Center: 412-648-7930 (8:30 A.M. TO 5 P.M. M-F) and 412-648-7856 (AFTER BUSINESS HOURS)

If you have a safety concern, please contact the University of Pittsburgh Police, 412-624-2121. The Office of Civil Rights and Title IX is here to assist in responding to and addressing reports of harassment and discriminations. Other reporting information and resources can be found here:

<https://www.titleix.pitt.edu/civil-rights-title-ix-compliance>

I encourage you to report bias incidents affecting University community members. Examples of bias incidents include but are not limited to harassment and/or discrimination, hate crimes, accessibility barriers (including digital/technology barriers), sexual misconduct (sexual harassment, stalking, relationship/sexual violence), and retaliation.

Grading Related:

- Exam dates will be announced in class. Each exam will take place during the regular class hours. If you are ill or face unforeseen circumstances on the day of the exam, please try to notify me by email or phone before the exam starts. Requests for make-up exams must include adequate documentation. For example if you are ill I will need documentation from Student Health Services or a physician.
- All work on the exams is to be your own. No assistance is permitted from any source, including but not limited to classmates, books, notes, websites, apps, etc. *All work on exams must be shown in order to receive a score, even if the final answer is correct.*
- You will have 4 examlets during the course of the semester. In addition to the examlets, there will be a final exam that is cumulative. The four best grades will be counted.
- TopHat will also be used in the course. You can expect the use of TopHat during any class meeting time. TopHat will consist of questions administered for both participation and correctness. TopHat is open note and open classmates. Bring your notes with you to class and get to know the people going through this journey with you! 😊

Grade Components:

- Examlets 1-4: 75 points/each
- Final Exam: 75 points
- Achieve: 40
- TopHat: 20