

University of Pittsburgh Course Syllabus
Chem 0910 Chemical Principles for the Health Professions
Fall 2018 (2191)

Instructor: Dr. Jackie Powell

Email: jrp113@pitt.edu (please include “Chem 0910” in the subject title)

Lecture Times: Mon, Wed, and Fri 1:00 – 1:50 P.M.; Eberly 206

Office Hours: Mon 2 – 4 P.M. and Thurs 10 A.M. – 12 P.M. or by appointment; Chevron 107

Course Description: This is a one term course covering general and biological chemistry designed primarily for students enrolled in the school of nursing or preparing for health-related professions. The course covers aspects of general chemistry including atomic structure and bonding and equilibria. A brief introduction to organic chemistry including physical properties and representative reactions of common functional groups and finally the chemistry of the major classes of biomolecules and metabolism. Examples of chemical applications in the health professions will be presented.

Course Objectives: Upon completion of Chem 0910, students will be able to:

- Display foundational knowledge of basic chemical concepts, such as molecular structure, physical properties, and functional group reactivity
- Acquire proficiency in quantitative problem solving as applied to chemical situations
- Identify the role and application of chemistry in the health-related fields

Required Materials:

- *Chemistry for the Health Related Professions: A Laboratory Experience*, 8th ed., George C. Bandik & Chad M. Shade (2008)
- Sapling Learning: www.saplinglearning.com, Course Title “CHEM 0910-Fall18-POWELL”
- Top Hat Account (free to Pitt students): www.tophat.com, Course Title “Chem 0910: Chemical Principles for Health Professionals”; join code: 995139
- Goggles. The type in the bookstore meets our strict safety standards.

Optional Texts:

- *Chemistry: An Introduction to General, Organic, and Biological Chemistry*, 13th ed., Karen C. Timberlake (Prentice Hall, 2014). Any edition will work for supplemental reading.
- *Study Guide and Selected Solutions Manual for Chemistry: An Introduction to General, Organic, and Biological Chemistry*, 13th ed., Karen C. Timberlake & Mark Quirie.



IT'S IN THE SYLLABUS

This message brought to you by every instructor that ever lived.

WWW.PHDCOMICS.COM

Grading: Your grade for this course will be weighted as follows:

<u>Lecture/Recitation</u>	<u>(75% total)</u>	<u>Lab</u>	<u>(25% total)</u>
Quizzes (lowest dropped)	10%	Weekly Lab Reports	80%
Midterm Exam I	22%	Technique	10%
Midterm Exam II	22%	Personal Evaluation	10%
Final Exam	38%		
Top Hat Points	4%		
Sapling Homework	4%		

Letter grades are assigned according to the table below. Grade cutoffs are subject to adjustment, but will never be adjusted upward. For example, if your course percentage is an 89.99%, you are guaranteed a B+ but may receive an A or A- depending on class trends. To pass the class (i.e. get a D grade), you must receive at least 40.00% of the total course points. This cutoff is a strict cutoff and will never be adjusted downwards.

You are not competing against your classmates for your grade- focus on making the cutoffs posted below, as they are an excellent benchmark of where you currently stand in the class. **If you do not make the cutoffs posted here, you are only guaranteed the grade you earned.**

A+ = 100.00 – 97.00%	B+ = 89.99 – 87.00%	C+ = 79.99 – 77.00%	D = 69.99 – 60.00%	F = below 60.00%
A = 96.99 – 93.00%	B = 86.99 – 83.00%	C = 76.99 – 73.00%		
A- = 92.99 – 90.00%	B- = 82.99 – 80.00%	C- = 72.99 – 70.00%		

Quizzes: There will be a weekly quiz in recitation during the semester. Your lowest quiz score will be automatically dropped at the end of the semester. Since you can drop one quiz, **no make-up quizzes will be given.** You must be in your seat, ready to take the quiz at the beginning of recitation. If you show up late to the quiz, you will only be allowed to use the remaining quiz time- no exceptions. If you come to the room after the first student has turned in their quiz and left the room, you will not be allowed to take the quiz.

Midterm and Final Exams: There will be two midterm exams and one final exam. The midterm exams will be in class on Friday, October 12th and Monday, November 19th. The final exam will take place 12:00-1:50 P.M. on Thursday, December 13th. **No make-up exams will be given.** You must be in your seat, ready to take the exam at the beginning of the exam period. If you show up late to the exam, you will only be allowed to use the remaining exam time. If you come to the room after the first student has turned in their exam and left the room, you will not be allowed to take the exam and you will not be allowed to make it up. The final exam will be cumulative. No cell phones or calculators will be permitted. Write legibly so that your answers are unambiguous to the graders- illegible work will not receive credit.

Regrade Policy: If you see a factual error on your exam or quiz (miscalculated points, correct answer marked as incorrect), you may submit your exam for a regrade. To request a regrade, you must see me with your exam. Regrades will only be considered up to one week after the exam is returned. **Your entire exam will be regraded to ensure no further errors are affecting your grade.**

Top Hat Points: Attendance at each scheduled lecture is critical to your success in this course. Engagement will be assessed via the Top Hat (www.tophat.com) classroom response system in during class. You will submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message. Top Hat points will be assigned based on participation and accuracy. Participation will be worth 50% of the assigned Top Hat questions; the remaining 50% will be graded on accuracy. Each individual Top Hat question will be graded based on this 50/50 grading scheme.

You can visit the Top Hat Overview (<https://success.tophat.com/s/article/Student-Top-Hat-Overview-and-Getting-Started-Guide>) within the Top Hat Success Center which outlines how you will register for a Top Hat account, as well as providing a brief overview to get you up and running on the system.

An email invitation will be sent to you by email. If you do not receive this email, you can register by simply visiting our course website: <https://app.tophat.com/e/995139>.

Note: Our Course Join Code is 995139.

Should you require technical assistance with Top Hat at any time, please contact their Support Team directly by way of email (support@tophat.com), the in app support button, or by calling 1-888-663-5491. If you experience a Top Hat issue that prevents you from answering during class, you must submit a completed “Top Hat Issues” form to me in class (no emails). **You are responsible for making sure that your phone, laptop, etc. is charged and in working order- only connectivity issues or issues with the Top Hat platform itself will be considered legitimate issues.**

Missed Coursework: Be responsible for your own education. If you miss a lecture, please get the notes from another student and consult CourseWeb for any announcements made in lecture. **I will not post the class notes** online for pedagogical reasons. If you read this, email me by August 29th and I will add one point to your first midterm exam grade. Make-up exams, quizzes, and Top Hat points will not be given. If you have a legitimate, documented reason for missing the final exam, you must notify me before November 30th to schedule a make-up final.

CourseWeb: The online course management system, CourseWeb (<https://courseweb.pitt.edu>), will be used as a mechanism for posting announcements, course information, and grades. You are responsible for knowing how to access CourseWeb and using it. If you have any questions about CourseWeb, please see me.

Recitation: Recitations are mandatory and will be held during the first hour of your laboratory time block. Recitations and labs are scheduled for the following times:

Wednesday 8:00 A.M. – 11:50 A.M. (30880) in Chevron 114

Wednesday 8:00 A.M. – 11:50 A.M. (30881) in Chevron 106

Special Accommodations: Students needing reasonable accommodations should notify the Office of Disability Resources and Services (140 William Pitt Union, 412-624-7890) during the first week of class. The DRS office will provide specific information on the University of Pittsburgh’s ADA policy and application procedures to the student. More details can be found at <https://www.studentaffairs.pitt.edu/drs/>. It is your responsibility to notify me of any accommodations in a timely manner, i.e. at least one week before they are required.

Recording: No video or audio recording of the lectures is permitted without prior written consent of the instructor. Any recordings made are solely permitted for the student's personal educational use.

Classroom Etiquette: To maintain an atmosphere conducive to everyone's learning, please

- (1) Be on time for class. Do not prepare to leave until class is over, i.e. do not pack up your materials until class is over.
- (2) Refrain from sleeping, eating, private conversation, snapchatting, face-swapping, tweeting and any other activity that may be distracting to your classmates or the instructor (above list is not all-inclusive).
- (3) Silence your phone. You may use electronic devices only in the context of accessing Top Hat, course material, and taking notes. Please don't distract your neighbors by looking at GIFs of teacup pigs- wait until lecture is over to share.

Students who, in the opinion of the instructor, exhibit unprofessional, inappropriate and/or disruptive behavior in the classroom or laboratory will be dismissed from the class. Please don't be that person.

Academic Misconduct: Academic dishonesty, in any form, will not be tolerated. Academic misconduct includes (but is not limited to) using unauthorized resources (e.g. cell phones and notes) on exams, plagiarism, and altering graded exams. You are adults at the college level and are expected to produce your own work with academic integrity. More information is available at www.as.pitt.edu/fac/policies/academic-integrity.

A first-time offense will result in a grade of 0 for that assignment and will be reported to the Dean's office. If the first offense is on a quiz, it cannot be dropped. A second offense will result in a course grade of F being issued. In addition, the student will be referred to the university with a recommendation for dismissal.

DO NOT TRY TO CHEAT. I have failed students in the past for cheating and will not hesitate to do so again if warranted.