

**General Chemistry I**  
Chemistry 1211K  
Course Syllabus SPRING 2019  
Instructor: **Dr. Pavel Tsitovich**  
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**Email** is the best way to communicate with the instructor. While sending an email, write the name of the course and then the subject. For example if you want to write about arranging an appointment, the subject should be "1211K- appointment". Please send email from your [email@student.gsu.edu](mailto:email@student.gsu.edu).

**Do not send email from iCollege!**

**Lecture:** TR 5:30 – 6:45 PM (220 Urban Life Building)

**Office hours:** M 3:00 – 4:00 PM (833 Langdale Hall)

W 5:00 – 6:00 PM (833 Langdale Hall)

Office hours start on the week of January 21.

Email me if you are planning to come to the office hours!

**Labs:** Pavel Tsitovich's labs: 3<sup>rd</sup> floor of Petit Science Center (PSC 362/355)

Time: Varies depending on student's schedule.

Pavel teaches labs on:

Monday at 11:00 – 11:45 AM (Lab Lecture), 11:45 AM – 2:00 PM (Lab)

Thursday at 12:00 – 12:45 PM (Lab Lecture), 12:45 – 3:00 PM (Lab)

Labs start on the week of **January 22:** Introduction and safety instructions and check-in during January 22 (Tuesday) – January 28 (Monday).

**No labs on January 21 (Monday).**

**Supplies needed for the class:**

1. Suggested textbook: "Chemistry: A molecular Approach" 4<sup>th</sup> Edition by *Nivaldo J. Tro.*, ISBN: 9780134103976, Pearson Ed.

2. Excess to Mastering Chemistry (Pearson Publishing) for homework (HW). HW will be assigned for each chapter (10 HW total).

Mastering Chemistry Course Title: CHE-1211K-PTsitovich\_Spring-2019

Mastering Chemistry Course ID: MCTSITOVICH13045SPR2019

3. Lecture PowerPoint slides posted on *iCollege*.

4. Access to Top Hat educational software (**Join Code: 180398**) (*works from cell phone, tablet, laptop*).

5. Additional resources: "ACS study guide for General Chemistry" (optional). Contact *Dr. Jyotsna Thota* ([jthota@gsu.edu](mailto:jthota@gsu.edu)) at 219 Courtland North in order to get one.

6. A composition book for the lab (lab notebook).

## Cheating

Academic misconduct (giving or receiving information during quizzes and exams, representing other's lab work, or unauthorized collaboration) will be dealt with Student Code of Conduct and Administrative Policies Page7. It may result in a "F" for the course. Multiple misconducts may result in suspension, expulsion, transcript annotations.

<http://codeofconduct.gsu.edu/files/2013/03/2014-2015-Section-II-Academic-Conduct-Student-Code-of-Conduct.pdf>

## Chemistry Tutor Center (SI Leader Help Sessions).

<https://chemistry.gsu.edu/ctc/>

CHEM 1211K course (CRN(s): 13204, 13537, 13203, 13528, 13588) for the Spring 2019 semester. Supplemental Instruction is a learning-enhancement program geared towards helping students perform better in this course.

Your SI Leader is **Sean Ray** ([sray19@student.gsu.edu](mailto:sray19@student.gsu.edu)), and their SI sessions are as follows:

**TR** 4:00 PM - 5:00 PM            LANGDL 320

**F** 9:50 AM - 10:50 AM            ARTS 216\*

\*Due to classroom scheduling conflicts the first few weeks of the semester, session days/times are subject to change. Please visit our website after 1/21/19 for the most up-to-date schedule, or speak with your SI Leader.

## Grading

The course grade will be assigned according to the following point distribution:

### **Component Maximum Points:**

- Best **3** of 4 major exams (3 × 100 points = **300 points**)
- Best **3** of 4 quizzes (3 × 15 points = **45 points**)
- Best **8** of 10 Mastering Chemistry homework assignments (8 × 7 points, but cannot exceed **55 points**)
- Final exam (ACS): **200 points**
- Laboratory: **200 points**
- Top Hat (attendance and participation): **25 points**.

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Total Possible Points: **800 points**

*Letter grades will be assigned as follows (approximately):*

### **Grading Based on Total Points:**

760 – 800 (≥95%):    A+  
720 – 759 (90%-94%): A  
696 – 719 (87%-89%): A-  
680 – 695 (85%-86%): B+  
640 – 679 (80%-84%): B  
624 – 639 (78%-79%): B-  
584 – 623 (73%-77%): C+  
520 – 583 (65%-72%): C  
480 – 519 (60%-64%): C-  
456 – 479 (57%-59%): D  
<456 (<57%):        F

**There are no makeup quizzes or makeup tests!**

### **Tentative Schedule (Change may occur.)**

- Week 1 (1/14): Chapter 1 - Matter, its properties and measurements;  
Week 2 (1/21): Chapter 1 - Matter, its properties and measurements; Chapter 2 - Atoms and Elements;  
Week 3 (1/28): Chapter 2 - Atoms and Elements; **Quiz 1**;  
Week 4: (2/4): Chapter 3 - Molecules, Compounds, and Chemical Equations; **Test 1 (02/07 - Thursday)**;  
Week 5: (2/11): Chapter 4 - Chemical Quantities and Aqueous Reactions;  
Week 6: (2/18) Chapter 5 - Gases; **Quiz 2**;  
Week 7: (2/25): Catch up and review; **Test 2 (02/28 - Thursday)**;  
Week 8: (3/4): Chapter 6 - Thermochemistry;  
Week 9: (3/11): Chapter 7 - The Quantum-Mechanical Model of the Atom; **Quiz 3**;  
Week 10: (3/18): **Spring Break! No Classes!**  
Week 11: (3/25): Chapter 8 - Periodic Properties of the Elements;  
Week 12: (4/1): Catch up and review; **Test 3 (04/02 - Tuesday)**;  
Week 13: (4/8): Chapter 9 - Chemical bonding I: The Lewis Model;  
Week 14: (4/15): Chapter 10 - Chemical bonding II: molecular shapes, valence bond theory, and molecular orbital theory; **Quiz 4**;  
Week 15: (4/22): Catch up and Review; **Test 4 (04/23 - Tuesday)**;  
Week 16: (4/29): **The ACS Final Exam is on Tuesday, April 30, 16:15-18:45 PM.** It is the ACS standardized exam covering Chapters 1-10.

<https://registrar.gsu.edu/files/2018/12/Sprng-2019-Final-Exam-Schedule-Atlanta-Campus-2.pdf>

The foregoing provides a general plan for the course, deviations from which may be necessary. The instructor will announce any such changes in class.

### **Important notes about the course:**

1. Basic algebra should be reviewed before first day of class.
2. If you missed an assignment, please write a letter explaining the absence, sign it and attach supporting documentation and hand it in to the instructor. Please do not discuss your absence in class with the instructor or another student. Please do not ask your classmates/ friends to talk to the instructor about your absence. Meet the instructor whenever you get the earliest chance, hand in the documentation and discuss your absence in the instructor's office.
3. Laboratory manual will be given to you on the first day of laboratory. It is illegal to copy or let your data be copied.
4. PowerPoint presentations of the course material will be uploaded on the course website. Make sure to bring printed handouts, or bring a laptop with the downloaded file in order to take notes.
5. Videos of the course material will be uploaded on the course website. So it is important that students have access to internet. If students do not have internet access at home, they should make arrangements to view the videos at the campus library.
6. Several assessments will be given for the course. Missed assessments will result in "zero". Students are not allowed to turn in assignments after due date. Deadlines will not be extended for individuals.
7. Only a scientific **nonprogrammable calculator** is allowed to use during any examination.