General Chemistry II
Chemistry 1212K
Course Syllabus Fall 2019


Supplemental-1: Preparing for Your ACS Examination in General Chemistry: The Official Guide, by Lucy T. Eubanks and I. Dwaine Eubanks (can be purchased from Chemistry department—will announce in class and post on iCollege when class starts)


Instructor: Dr. Jie Jiang

E-mail: jjiang2@gsu.edu

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 “chem1212- appointment”. *Please send email from GSU email.

Office: Langdale Hall 829

Office Hours: Mondays 10:40 am – 12:00 pm
Thursdays: 11:00 am – 12:20 pm
Fridays: 10:40 am – 12:00 pm (Other times are available by appointment)

Lecture: MWF @ 9:30 am – 10:20 am (Classroom South 608)

We will cover chapters 11-20 for the whole semester:

Chapter 11 Liquids, Solids, and Intermolecular Forces
Chapter 12 Solids and Modern Materials
Chapter 13 Solutions
Chapter 14 Chemical Kinetics
Chapter 15 Chemical Equilibrium
Chapter 16 Acids and Bases (actually more equilibrium)
Chapter 17 Aqueous Ionic Equilibrium
Chapter 18 Free Energy and Thermodynamics
Chapter 19 Electrochemistry
Chapter 20 Radioactivity and Nuclear Chemistry
Point distribution
Exams (100 points each) (**Best 3 of 4**) 300
Online Quizzes (25 points each) (**Best 4 of 5**) 100
Laboratory 200*
Final exam (ACS standardized test) 200
Total: 800

* You must attend your laboratory section – at the end of the semester your laboratory instructor will give me a list of students in their section and their laboratory grades. No Lab for the first week of school.

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<th>Week 1</th>
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<th>Week 15</th>
<th>Week 16 (final exam)</th>
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<tbody>
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<td>Week Beginning</td>
<td>Monday, August 26</td>
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<td>Week 16 (final exam)</td>
<td>Monday, December 9</td>
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<td>Final Exam 8:00 am-9:50am</td>
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* October 15th, 2019 is the last day to drop a class with a W.

Final exam is on **Friday, December 13th, 2019**, starting at **8:00 am**. Duration of exam is **110 minutes**. Final Exam is comprehensive covering **Chapters 1-20**.
Grading:

<table>
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<tr>
<th>Score Range</th>
<th>Grade</th>
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<tr>
<td>760 – 800</td>
<td>A+</td>
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<tr>
<td>720 – 759</td>
<td>A</td>
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<tr>
<td>696 – 719</td>
<td>A-</td>
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<tr>
<td>680 – 695</td>
<td>B+</td>
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<tr>
<td>640 – 679</td>
<td>B</td>
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<tr>
<td>624 – 639</td>
<td>B-</td>
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<tr>
<td>584 – 623</td>
<td>C+</td>
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<td>520 – 583</td>
<td>C</td>
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<td>480 – 519</td>
<td>C-</td>
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<tr>
<td>456 – 479</td>
<td>D</td>
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<td>&lt;456</td>
<td>F</td>
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</table>

No make-up examination or quizzes will be given. Missed examinations and quizzes will be recorded as a zero. The final examination is a standardized test (and multiple choice) provided by the American Chemical Society (ACS) and is nationally normalized.

To receive a PASSING grade in this course, the student MUST

1. Take the final examination (ACS) of the lecture
2. Meet certain minimum requirements in the laboratory portion of the course:
   a) Submit final lab report
   b) Take the lab final exam

Instructor reserves the right to seat/reseat students during examinations.

**ONLY NON-PROGRAMMABLE calculators are allowed. Use of programmable calculators in class and lab is considered academic dishonesty.**

Examinations: The best three of total four examinations (multiple choices format) grades will be counted toward the student’s grade. Each student is allowed to drop one exam with the lowest grade. There will be no make-up exams.

Online quizzes: Quizzes will be assigned on iCollege with deadlines. You must complete and submit the quizzes before the deadline. The best four quiz grades out of five will be counted toward the final grade. There will be no make-up quizzes.

Reading assignments: At the end of some lectures, the instructor will allot reading assignments (labeled as “reading materials” in the PowerPoint slides) from the text book. Some of the questions from the quizzes and exams will be directly taken from reading assignments. It is in the best interest of the students to complete the reading assignments on time.

Self-assessment quiz and Exercise in the text book: There are Self-assessment quiz and Exercise at the end of each chapter in the text book, instructor will pick up some questions for practice. Some of the questions from the quizzes and exams will be directly taken from them.

iCollege: iCollege will be used for posting class materials including lecture notes and study materials. Announcements related to class and grades will also be posted on iCollege. Students need to check iCollege often. In addition, iCollege will be used for posting discussions regarding important concerns about the class.
Class Attendance and Preparation: Students are responsible for class preparation and for any material presented in the course of the lectures whether or not it is contained in the textbook. Chemistry is a highly structured course, with each new topic based on others previously developed. Thus it is critical for students to keep consistently up-to-date in their readings and assignments. To fall even one class period behind is to risk considerable difficulty in mastery of future material. Therefore students should
1) review previous material, especially if it was not perfectly understood
2) complete reading assignments before the lecture in which the topics are covered, or at least immediately after the lecture
3) complete assigned problems and exercises on time, with an emphasis on mastery of concepts and principles involved rather than looking for a formula that will give the expected answer 
(remember that the question can be asked in a different way and not just with different numbers!)

Students are expected to attend all classes and laboratories and are responsible for all assignments and materials presented. In the event of unavoidable absences, it is the responsibility of the student to find out what materials were covered or what assignments made in his or her absence.

Some Examples of Unacceptable Student Conduct:
- Not following the testing procedures as instructed.
- Talking while your instructor is lecturing.
- Arguing with the instructor about student conduct.
- Not sitting up straight with paper directly in front of you during an exam.
- Not keeping your scantron or exam papers covered during an exam.
- Using a disrespectful tone of voice, harsh words or profanity.
- Making inappropriate gestures of any kind.
- Leaving class before the lecture is over with no reasonable reasons.
- Letting your cell phone ring audibly during a lecture or exam.
- Not having your student ID for a quiz or test.
- Arriving late for lecture or for an exam.
- Allowing your laboratory data or answers to be copied.
- Allowing your homework, quiz, and exam answers to be copied.
- Using any electronics during lecture and causing distractions.

Cell Phones: All cell phones must be turned off during the quizzes and exams; otherwise, you will be disqualified for the tests. No cell phones as calculators during quizzes/exams.

Consideration of your classmates, turn off all sound alerts during every lecture and examinations. If you must have the cell phone during the daily lectures, please set it to vibrate mode (silent). If you need to be on call during an exam, please inform the instructor and leave the phone with the instructor.

The University requires that faculty members must, on a date after the midpoint of the course to be set by the Provost (or his designee)
1. give a WF to all those students who are on their rolls but no longer taking the class and
2. report the last day the student attended or turned in an assignment.

Chemistry Department Policy on Student Conduct and Integrity: The Georgia State University Policy on Academic Honesty is in force in this course. This includes but is not necessarily limited to infractions in the area of plagiarism, cheating on quizzes & examinations, unauthorized collaborations,
falsification, and multiple submissions. This policy is published in On Campus: the Student Handbook, which is available to all members of the university community.

All examinations must represent your individual effort, with no unauthorized aid. To either give or receive unauthorized information during an examination or a quiz is cheating, as is the use of any unauthorized supplementary material. In addition all laboratory work performed in conjunction with this course must represent your individual effort. Only original data obtained by your own in-laboratory experimentation are permitted to be used, except when expressly authorized by your laboratory instructor. Data from supplementary sources, handbooks, reference literature, etc. must be clearly referenced (title, author, volume, pages(s), etc.). Falsification or destruction of data constitutes cheating as well. Conduct disruptive of class, examinations, or laboratories or falsification or destruction of information related to chemistry courses will be taken as a violation of the policies of the Board of Regents of the University System of Georgia and the Georgia State University Student Code of Conduct, Section 6.0. Any suspected offenses may be referred to the Chairman of the Department or the Dean of Students for appropriate disciplinary action.

Syllabus and Assignments: The foregoing provides a general plan for the course, deviations from which may be necessary. The instructor will announce any such changes in class. One of the best ways to prepare for examinations in general chemistry is to work as many problems as possible. This includes problems from the end of chapter problem sets as well as the Mastering General Chemistry Problem sets.