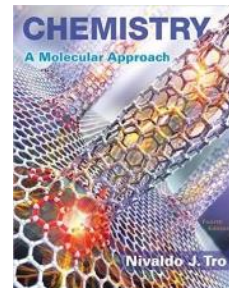


Chemistry 1212K
Course Syllabus Spring 2017

Text: Chemistry: A Molecular Approach with **Mastering Chemistry**, 4^{ed} by Nivaldo Tro



ISBN-10: 0-13-411359-4

ISBN-13: 978-0-13-411359-3

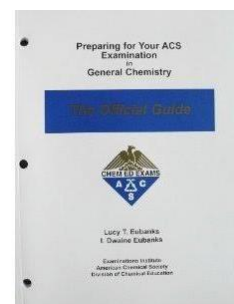
<https://www.pearsonhighered.com/program/Tro-Chemistry-A-Molecular-Approach-4th-Edition/PGM1100182.html>

<http://www.pearsonmylabandmastering.com/northamerica/masteringchemistry/>

Suggested Handbook: Preparing for Your ACS Examination in General Chemistry: The Official Guide, by Lucy T. Eubanks and I. Dwaine Eubanks

ISBN-13: 9780970804204

ISBN-10: 0970804202



Required Materials:

- 1) A Pearson Mastering Chemistry account
Course ID: MCGUO54180
- 2) A scientific, **non-programmable** calculator



Please do not bring graphing calculators to lecture or lab.

Lecture Time: M&W&F 11:00 am - 11:50 am

Lecture Room: Aderhold Learning Center 24

Instructor:

Dr. Weiwei Guo (01/09 – 03/19) { **Office:** 926 Langdale Hall,
Office Hours: M&W&F 3:00pm-5:00pm*,
Email: wquo9@gsu.edu

and Dr. Bin Xu (03/20 – 04/24) { **Office:** 203 Cortland North Building,
Office Hours: M 2:30 - 4:30 pm (other time by appointment)
Email: bxu6@gsu.edu

* these appointment hours are not always available every week. Email to schedule an appointment hour.

Send emails from your GSU email account to my GSU email account only. Do not email from our iCollege (Brightspace/D2L) class web page. If you do, they will not be answered.

Chemistry 1212 K
Course Syllabus, Spring 2017, Dr. Weiwei Guo and Dr. Bin Xu

Please use “**YOUR LAST NAME-CHEM 1212K**” as your email subject. Please use proper etiquette in your emails. This is a formal communication between us. I will strive to respond to all emails within 24 hours during the work week. On the weekends, you may not receive a response until Monday.

We have 42 meetings to cover **chapters 11-20, 4 in-class quizzes and 4 in-class exams.**

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

Chapter 17 Aqueous Ionic Equilibrium

Chapter 18 Free Energy and Thermodynamics

Chapter 19 Electrochemistry

Chapter 20 Radioactivity and Nuclear Chemistry

Week of....	Monday	Wednesday	Friday
01/09/2017	Intro Lecture	Lecture	Lecture
01/16/2017 (labs start !!!)	MLK Holiday	Lecture	Lecture (Quiz 1)
01/23/2017	Lecture	Lecture	Lecture
01/30/2017	Lecture	Lecture	Exam 1
02/06/2017	Lecture	Lecture	Lecture
02/13/2017	Lecture	Lecture	Lecture (Quiz 2)
02/20/2017	Lecture	Lecture	Exam 2
02/27/2017	Lecture:Midpoint*	Lecture	Lecture
03/06/2017	Lecture	Lecture	Lecture (Quiz 3)
03/13/2017	Spring Break	Spring Break	Spring Break
03/20/2017	Lecture	Lecture	Exam 3
03/27/2017	Lecture	Lecture	Lecture
04/03/2017	Lecture	Lecture	Lecture (Quiz 4)
04/10/2017	Lecture	Lecture	Exam 4
04/17/2017	Lecture	Lecture	Lecture
04/24/2017	Lecture	FINAL EXAM 10:45 am	

* Midpoint on 02/28/2017 is the last day to drop a class with a W

Final Exam is on Wed. 04/26/2017 starting at 10:45 am in our classroom. It is the ACS standardized exam. Duration of exam is 110 min. It is a comprehensive exam covering Chapters 1-20. Every one of your instructors should have given you the date and time of your final exams. Check to make sure that you do not have any conflicts. Do this within the first two weeks of class.

No make-up examinations, quizzes or homeworks will be given.

Missed examinations and quizzes will be recorded as a zero.

Allowable absences **MUST** be accompanied by verifiable documentation.

The note must be provided **one week before** the missed test/quiz.

Please note: traveling does not constitute an allowable absence.

The final examination is a multiple choice test provided by the American Chemical Society (ACS) and is nationally normalized.

Point distribution

In Class Multiple Choice EXAMS (Best 3 of 4)	240	(80 points each)
QUIZZES (Best 3 of 4)	90 ^{***}	(30 points each)
Mastering Chemistry HOMEWORK	70 ^{**}	
LABORATORY Grade	200 [*]	
Final EXAM (ACS standardized test)	200	

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 grades. → **Do NOT switch lab sections without notifying ME. I am the only one to input the final grades.**

** Mastering Chemistry Homework points will be calculated based on percentage.

*** Quizzes will be given at the end of each assigned lecture (check the table above).

Grading:

Points	Percent	Letter Grade
760 - 800	95% - 100%	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

To receive a passing grade the student MUST:

1. Take the final examination of the lecture. **Anyone missing the final exam will be given an F.**
2. Meet certain minimum requirements in the laboratory portion of the course:
 - a) Submit a final laboratory report
 - b) Take the final lab examination (see lab manual for further details)

The instructor reserves the right to seat students during examinations.

Only non-programmable calculators are allowed. Use of programmable calculators in class and in lab is considered academic dishonesty.

In-class Examinations: The best 3 of the 4 examination grades will be counted toward the student's grade. Each student is allowed to drop one exam grade. **There will be no make-up exams.**

Quizzes: Quizzes will be given in class and each will usually take 20 minutes. The best 3 out of 4 quiz grades will be counted toward the final grade. There will be no make-up quizzes. Missed quizzes will be recorded as zero. Each student is allowed to drop one quiz grade.

Homework: Homework should be submitted online using "Mastering Chemistry". **The course code is: MCGUO54180.** Homework that is submitted in class will not be accepted. Do not wait until just before the deadline to report a problem. There are many, many places on campus that provide students computer access to the internet. If your internet is not working at home, please utilize these to complete your homework. Homework should be completed promptly after finishing the material in class, due to this there will not be any "amnesty days" for homework.

iCollege: This site will be used for posting class materials including lecture notes and student materials. Announcements related to class will also be posted here. All of your exam and quiz grades will be posted on **iCollege**. Students should regularly check their class **iCollege** sites at least twice a day for class materials.

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.

It is expected that a student should:

- 1) Read and make notes on the chapter material **before** attending lecture.
- 2) Ask relevant questions in class on any material that was not fully understood while reading the chapter.
- 3) Each night after a lecture, the student should log all of the information they can remember from class without any aids. Any information that cannot be recalled requires more in-depth review.
- 4) Attempt all of the posted chapter problems before the instructor covers them in class.
- 5) Attempt the self-assessment quiz at the end of each chapter in the textbook.

Suggestion: When attempting to solve problems do not look for similar questions. Try to answer questions based on the material you have covered in class. Looking for similar questions usually means that you do not understand the material and can only identify how to solve problems by memorizing the steps to get the answers.

- 6) Students are expected to attend all classes and laboratories (even when attendance is not recorded) 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 were given in his or her absence.**

Some Examples of Unacceptable Student Conduct:

- **Leaving class before the lecture is over.**
- Not following the testing procedures as instructed.
- Talking while your professor is lecturing.
- Arguing with the professor 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.
- Letting your **cell phone** ring audibly during a lecture or exam.
- Having a cell phone available during a quiz or test.
- Arriving late for lecture or for an exam.
- Allowing your laboratory data or answers to be copied.

Cell Phones and Electronics: In consideration of your classmates, turn off all sound alerts during every lecture and examination. If you must have the cell phone during the daily lectures, please set it to ring on vibrate mode (silent). If you need to be on call during an exam, please inform the instructor and leave the phone with the instructor. You may not use cell phones as calculators during exams/quizzes.

If you wish to use a computer to view class notes or to take class notes, you are required to sit in the last three rows of the lecture hall. Believe it or not, laptops prove to be a distraction in classrooms and hand written notes more beneficial to the student.^{1,2}

You may not record my lecture (audio and/or video) without prior permission.

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.

All examinations must represent your individual effort, with no unauthorized aid. To either *give* or *receive* unauthorized information during an examination 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.

As per the Georgia State University Student Code of Conduct and Administrative Policies p.45: "Religious Observance. Students wishing to have an excused absence due to the observation of a religious holiday of special importance must provide advanced written request to each instructor by the end of the first week of classes."

Check online for the Spring 2017 schedule during your first week of classes to make sure that you do not have any conflicts. You must inform your instructors during the two weeks of class of any exam conflicts that you may have.

Plan on being here during the whole exam period. Vacation is NOT a legitimate excuse to miss an exam and you will earn a zero on your final exam if you miss it. We do not have the space to accommodate students who wish to take their exams on a different day.

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

1. <http://chronicle.com/blogs/wiredcampus/taking-notes-by-hand-benefits-recall-researchers-find/51411>
2. <http://www.psychologicalscience.org/index.php/news/releases/take-notes-by-hand-for-better-long-term-comprehension.html>