

CHEM 960

ENGINEERING CHEMISTRY 1

FALL 2017 (2181)

DR. SUSAN K. MALECKAR
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MW 9:00-9:50AM CRN 11439 Gardner Steel 138 or
MW 10:00-10:50AM CRN 11440 Gardner Steel 138

AND

Tuesdays 8:00-8:50AM Chevron 152

OFFICE HOURS

Tuesdays 9-11

More office hours will be determined and posted on Courseweb very soon.

If these times are not possible, I would be happy to meet with you at other times. Please talk to me or email me for a day/time.

COURSEWEB

Our course is on Courseweb. It is a repository for partial notes, quiz and exam solutions, etc. Partial notes are optional, and it is your responsibility to print them from Courseweb if you wish to use them. I do not post grades on Courseweb.

RECITATIONS

In addition to the above lectures, you **must** attend one of these sections weekly. These sessions, led by a graduate student teaching assistant (TA), give you an opportunity to ask questions in a small group setting. A quiz will also be given most weeks – see the schedule at the end of this syllabus for the exact schedule.

<u>DAY/TIME</u>	<u>ROOM</u>	<u>CRN</u>
Thur 8:00-8:50	Eberly 206	10632
Thur 8:00-8:50	Eberly 228	11049
Thur 8:00-8:50	Allen 103	10634
Thur 9:00-9:50	Eberly 206	11050
Thur 9:00-9:50	Eberly 228	10633
Thur 9:00-9:50	Chevron 154	11052
Fri 9:00-9:50	Eberly 206	11051
Fri 10:00-10:50	Eberly 228	11016

Go to the section that you are registered for. BUT, if something happens that you cannot make that recitation, go to another one during that calendar week. Write your regular TA's name on the top of the quiz, and we'll get it to you.

COMMUNICATION

It is essential that you let me know if you have problems in this course as it progresses. I cannot help you the week before the final or after the course is over. PLEASE contact me (email or in class/after class or scheduling an appointment) if/when there is a problem or lack of understanding/communication on a topic.

BOOKS AND MATERIALS

Chemistry: Atoms First by Burdge and Overby, 2nd edition

This textbook can be purchased from the bookstore, or from any other source of your choosing. You can also purchase an e-book at a lower cost at www.mcgraw-hill.com. First edition books can also be used. There are some differences in the chapter content and placement, but the text would be usable if you are willing to search around for the content.

In addition, you will need to purchase an online homework account from www.saplinglearning.com for the term in order to complete the online homework required for this course. You should purchase the one term option.

We will also be using REEF, an app-based clicker system this year. I will provide you with a free access code for this term. You will need to bring a device with you to class (cell phone, smartphone, tablet, iPad, or laptop). Please let me know if this is not possible.

SAPLING INSTRUCTIONS

Please refer to these instructions to create your account:

<https://community.macmillan.com/docs/DOC-5809-sapling-learning-creating-accounts>

<https://community.macmillan.com/docs/DOC-5972-sapling-learning-registering-for-courses>

REEF INSTRUCTIONS

This semester you will use iClicker Reef to participate in in-class activities. iClicker Reef is software that works with your smartphone, tablet and laptop. I hope using iClicker will make your experience in our class more engaging and help me better understand your needs as a student.

iClicker Reef usually requires a paid subscription but this class is participating in a pilot program, so there will be no cost to you for using iClicker this term. Please do not pay for a subscription as students who purchase subscriptions cannot be refunded.

To use iClicker Reef on a smartphone, you'll need to download the iClicker Reef app from iTunes or the Google Play store. To use iClicker with a browser, you'll need to log in to the site at iclicker.com.

In order to activate your free access to iClicker Reef, it is important for you to enter the access code into your student account. That code is **5322606A1946**

Video link: <https://www.youtube.com/watch?v=Pe-gD7zsqrI&feature=youtu.be>

Access codes cannot be entered via the smartphone or tablet apps so a computer is required for this step. Visit iclicker.com, click “Sign In” then “Student”, then enter your log in information. Then, click the “Menu” icon in the upper left corner. Now, click “Subscriptions”, then click “Polling”. Click “Enter Access Code” and enter the code you were given. Click “Submit” and you will see “Your access code is accepted”. Click the back arrow if you would like to see when your access code expires.

iclicker support for concerns/questions:

<https://community.macmillan.com/community/iclicker-support/iclicker-student-support/pages/iclicker-reef-student-application>

GRADES

Exams:

- 3 exams, **100** points each
- a cumulative final exam, **200** points

Quizzes:

- 11 quizzes, 10 points each, given during the recitation sections on the previous week’s material
- the lowest score will be dropped, resulting in a total of **100** points.

Homework:

Homework will be completed online at www.saplinglearning.com. Due dates will be listed at the site. Your total homework for the term will be worth **60** points.

In-Class Activities:

There will be REEF questions embedded in the lectures as well as unannounced graded activities during lectures throughout the term. for a total of **40** points for the term. No makeups will be allowed. If you have very good reasons for missing a class (death in the family, hospitalization, traveling with a school team), please let me know.

Overall Grade:

Exams	300 pts
Final Exam	200 pts
Quizzes	100 pts
Homework	60 pts
In Class Activities	40 pts

Total	700 points
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GRADING

Your total points will be added up at the end of the term. I will calculate the class average and fix that at about 75%, adding or subtracting points in order to do so. The resulting scores will then be applied to a strict 97/93/90/87/83/80.....etc scale.

Do not rely on a curve in this class. Often the curve is small. Any curve that does exist is at my discretion and will not be determined until the end of term.

EXAM REGRADE POLICY

If you feel that your exam was not graded fairly, you may request a re-grade. To do so, you must submit your exam with your dispute, **in writing**, within two class days of getting your exam back. Your dispute must explain which question you feel was incorrectly graded and an explanation of why you deserve more credit. Note: I reserve the right to re-grade the entire exam when it is handed in for a re-grade. Do not expect to request an exam regrade once the term has ended. Do not bring an exam to me long after the exam was taken.

WARNING: I will be copying a portion of the exams before handing them back to students. If you change your answers after you get your exams back and then submit them for a re-grade, you risk being caught in violation of the academic integrity guidelines. The consequences for this are severe.

MAKEUP POLICY

THERE ARE NO MAKEUP EXAMS. If you have extreme circumstances, see me ASAP. If you suddenly have reason to miss an exam (extreme sickness, death, etc), you are responsible for contacting me as soon as humanly possible. If you know ahead of time that you cannot make an exam, talk to me as soon as possible to make other arrangements.

Note: Sleeping in **IS NOT** an acceptable reason for a makeup.

FINAL EXAM CONFLICTS

If you have three or more final exams in one day, you may request an alternate final exam time. You should read the guideline from the registrar:

http://registrar.pitt.edu/assets/pdf/final_guideline.pdf

See the Final Exam Conflict Accommodation Procedure:

http://registrar.pitt.edu/assets/pdf/final_procedure.pdf

Fill out the Final Exam Conflict Accommodation Form:

http://registrar.pitt.edu/assets/pdf/Final_Exam_Conflict_Accommodation_Form.pdf

and return it to G-2 Thackeray Hall by the monitored withdrawal deadline (October 27).

ACADEMIC INTEGRITY

All of us are expected to follow the University of Pittsburgh's academic integrity guidelines. They can be obtained from the CAS Dean's Office or at www.fcas.pitt.edu, the undergraduate studies site. Violations of these guidelines can result in zero points for **an exam or failure for the course.**

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 Resourced and Services, 216 William Pitt Union, 412-648-7890 as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

ADDITIONAL HELP

Your first source of help should be my office hours and your recitation instructor's office hours. In addition to this, the Academic Resource Center (ARC) will be offering tutoring in The Gardner Steel Conference Center. There is also free tutoring on the Ashe Balcony on the second floor of Chevron. The EXCEL program also has tutoring for students in its program. I will post tutoring schedules when available at Courseweb.

CHEM 960 SCHEDULE FALL 2017

Wk	Dates	Mon	Tue	Wed	Quiz
1	Aug 28, 29, 30	Welcome	Chap 2	Chap 2	None
2	Sep 4, 5, 6	no class	Chap 3	Chap 3	Ch 2
3	Sep 11, 12, 13	Chap 3	Chap 3, 4	Chap 4	Ch 3
4	Sep 18, 19, 20	Chap 4	Chap 4/5	Chap 5	Ch 3/4
5	Sep 25, 26, 27	Chap 5	Chap 5/6	Chap 6	Ch 4/5
6	Oct 2, 3, 4	Chap 6	Exam 1 Ch 2-5	Chap 6	No quiz
7	Oct 9, 10, 11	no class	Chap 6/7	Chap 7	Ch 6
8	Oct 16, 17, 18	Chap 7	Chap 7	Chap 7	Ch 7
9	Oct 23, 24, 25	Chap 7	Chap 8	Chap 8	Ch 7
10	Oct 30, 31, Nov 1	Chap 9	Exam 2 Ch 6-8	Chap 9	No quiz
11	Nov 6, 7, 8	Chap 9	Chap 10	Chap 10	Ch 9
12	Nov 13, 14, 15	Chap 10/11	Chap 11	Chap 11	Ch 10
13	Nov 20, 21, 22	Chap 11	Chap 11	No class	No class
14	Nov 27, 28, 29	Chap 7/12	Exam 3 Ch 9-11	Chap 12	Ch 11
15	Dec 4, 5, 6	Chap 12	Chap 12	Chap 12	Ch 12
16	FINAL EXAM	Friday	Dec 15	8:00-9:50AM	room TBA

This schedule is tentative. Changes will be announced in class. Come to class!