Chem E-1ax: Course Schedule
Fall 2015

General Schedule:
• Lectures are streamed live on the course website on Thursdays at 6 pm EST, and afterwards the videos will be available on the website for viewing at any time.
• Reviews are posted to the course website by Saturday afternoon each week.
• Online sections will meet at a time to be determined, and video of sections will be posted to the website.
• In the schedule below, each “Week” starts on Thursday and runs through the following Thursday in order to follow the schedule of the course. The beginning of each week is the lecture on a new topic, which will be on Thursdays, and then the week continues with Review and Section. The end of each week is 6 pm EST on Thursdays when the problem sets are due (or the exams are given).

Planning your week:
• Read the relevant chapter(s) in the textbook prior to watching each lecture.
• Begin work on relevant problems from the Practice Problems prior to the section so that you have a clear idea of what material you are comfortable with and what material you need help with before you participate in section.
• Problem Sets are due promptly by 6 pm EST on Thursdays each week as indicated.
• By the end of each “week” you should have completed all of the relevant problems from the Practice Problems.

Week 1: 9/3 – 9/10

Lecture: Chapters 1-2 (Introduction; Atoms, Molecules, and Ions) on Sept. 3rd
Review: Chapters 1-2
Section: Chapters 1-2, Practice Problems pp. 1-5
Thur. 9/10: Problem Set #1 due by 6 pm EST

Week 2: 9/10 – 9/17

Lecture: Chapter 3 (Stoichiometry) on Sept. 10th
Review: Chapter 3
Section: Chapter 3, Practice Problems pp. 6-12
Thur. 9/17: Problem Set #2 due by 6 pm EST

Week 3: 9/17 – 9/24

Lecture: Chapter 4 (Reactions in Aqueous Solutions) on Sept. 17th
Review: Chapter 4
Section: Chapter 4, Practice Problems pp. 13-21
Thur. 9/24: Problem Set #3 due by 6 pm EST

Week 4: 9/24 – 10/1

Lecture: Chapter 5 (Gases) on Sept 24th (Note: Chapter 5 is NOT tested on Exam 1)
Review: Exam 1 Review
Section: Exam 1 Preparation (Chapters 1-4, PSets #1-3, Pract. Probs. pp. 1-21)
No Problem Set
Thur. 10/1: Exam #1 (Chapters 1, 2, 3, and 4)
Week 5: 10/1 – 10/8

No Lecture on 10/1. (Note: The Lecture on Chapter 5 (Gases) was recorded on Sept. 24th.)
Review: Chapter 5
Section: Chapter 5, Practice Problems pp. 22-28
Thur. 10/8: Problem Set #4 due by 6 pm EST

Week 6: 10/8 – 10/15

Lecture: Chapter 6 (Energy Relationships in Chemical Reactions) on Oct. 8th
Review: Chapter 6
Section: Chapter 6, Practice Problems pp. 29-37
Thur. 10/15: Problem Set #5 due by 6 pm EST

Week 7: 10/15 – 10/22

Lecture: Chapter 7 (The Electronic Structure of Atoms) on Oct. 15th
Review: Chapter 7
Section: Chapter 7, Practice Problems pp. 38-43
Thur. 10/22: Problem Set #6 due by 6 pm EST

Week 8: 10/22 – 10/29

Lecture: Chapter 8 (The Periodic Table) on Oct. 22nd. (Note: Chapter 8 is NOT tested on Exam 2.)
Review: Exam 2 Review
Section: Exam 2 Preparation (Chapters 5-7, PSets #4-6, Prac. Probs. pp. 22-43)
No Problem Set
Thur. 10/29: Exam #2 (Chapters 5, 6, and 7)

Week 9: 10/29 – 11/5

No Lecture on 10/29. (Note: The Lecture on Chapter 8 (Periodic Table) was recorded on Oct. 22nd.)
Review: Chapter 8
Section: Chapter 8, Practice Problems pp. 44-48
Thur. 11/5: Problem Set #7 due by 6 pm EST

Week 10: 11/5 – 11/12

Lecture: Chapter 9 (Chemical Bonding I) on Nov. 5th
Review: Chapter 9
Section: Chapter 9, Practice Problems pp. 49-53
Thur. 11/12: Problem Set #8 due by 6 pm EST

Week 11: 11/12 – 11/19

Lecture: Chapter 10 (Chemical Bonding II) on Nov. 12th
Review: Chapter 10
Section: Chapter 10, Practice Problems pp. 54-61
Thur. 11/19: Problem Set #9 due by 6 pm EST
Week 12: 11/19 – 11/26

Lecture: Chapter 20 (Chemistry of Coordination Compounds) on Nov. 19th.  
(Note: Chapter 20 is NOT tested on Exam 3.)
Review: Exam 3 Review
Section: Exam 3 Preparation (Chapters 8-10, PSets #7-9, Prac. Probs. pp. 44-61)
No Problem Set

Week 13: 11/26 – 12/3

No Lecture
No Review
No Section
No Problem Set
Thur. 12/3: Exam #3 (Chapters 8, 9, and 10)

Week 14: 12/3 – 12/10

No Lecture  (Note: The Lecture on Chapter 20 (Coordination Compounds) was recorded on Nov. 19th.)
Review: Chapter 20
Section: Chapter 20, Practice Problems pp. 62-66
Thur. 12/10: Problem Set #10 due by 6 pm EST

Week 15: 12/10 – 12/17

Lecture: Final Exam Review on Dec. 10th
No Review
Section: Final Exam Preparation
No Problem Set
Thur. 12/17: Final Exam