

MATERIALS: PROVIDED THROUGH UNIVERSITY:

Tro, Chemistry: Structure and Properties E-Text and Online Homework Access

ADDITIONAL REQUIREMENTS:

- 1) Scientific or Graphing Calculator
 - 2) Clicker for Discussion and Lecture Sections
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<u>GRADING:</u>	4 Exams	480 points	(120 points each)
	Final Exam	320 points	
	Discussion	100 points	
	<u>Homework</u>	<u>100 points</u>	
	Total	1000 points	

Exams will be given in lecture on September 16/17, October 7/8, November 2/3, and December 2/3. The final exam will be given on Monday, December 14/Thursday, December 17 starting at the normal class times. This exam will be comprehensive.

There will be no make-up exams given. If there is a legitimate emergency with strong documentation, contact Professor Kelly (email kellydn@iun.edu or in person at MH 220) to see if arrangements can be made. It is the student's responsibility to do so in a timely fashion or no arrangements will be considered.

Listed on the next page are the guaranteed cut-offs for grades. These point cut-offs may be decreased at a later date, but they will not be increased under any circumstances.

Examinations will be different between the two lecture sections due to timing issues. Students must attend the lecture section for which they are registered. Any adjustments to final grades will be dependent upon the student's lecture section. This ensures that any difference between the exam versions will not unduly affect a student's grade.

Grade | Maximum Cutoff

A	830-1000
A-	800-829
B+	770-799
B	730-769
B-	700-729
C+	670-699
C	630-669
C-	600-629
D	500-599

LABORATORY: C125 is a separate course and the student will receive a separate grade for C105 and C125. Laboratories will, however, correlate with C105 lecture material.

HOMEWORK: Homework will be assigned electronically through the Mastering Chemistry program. No late entries will be accepted under any circumstances. If you are worried about having computer difficulties, complete the assignments as early as possible. Questions will have unlimited attempts for completion with no score penalty.

DISCUSSION SECTIONS: Discussions will consist of quizzes and time for answering questions on lecture material, reading material, homework problems, etc. No new material will be presented. Attendance is mandatory, and students must attend their registered discussion section. You will need a clicker for quizzes, no exceptions.

GENERAL REQUIREMENTS: Students will be responsible for all lecture material, reading assignments, and homework assignments. Students are expected to read all text material before it is presented in lecture. The sections to read before lecture are listed in the course schedule below.

WITHDRAWAL POLICY: A student may withdraw at any time through Friday, October 25th without the consent of the instructor and receive the grade of W. Any student who decides to drop the course must fill out a withdrawal form or they will receive the grade of an F. After October 25th, a student may withdraw only with the permission of his or her Dean. The approval is given only for urgent reasons related to extended illness or equivalent distress. To then qualify for a grade of W, a student must be passing the course on the day of withdrawal. If the student is failing, the grade recorded on the withdrawal date will be an F. This paragraph is University policy. Please make sure you understand this paragraph since no exceptions can be made.

APPROVED TECHNOLOGY: For discussion quizzes and exams, only approved materials are allowed for assistance. Scientific and graphing calculators are permissible. No cellphones, laptops, or other electronic devices will be allowed unless approved by the instructor (e.g. disability-related assistance).

GENERAL OUTLINE: Material contained in Chapters 1 through 14 will be covered in this course. The following is a course outline. Exam dates are not subject to change unless the University is closed on a scheduled exam date. The exam would then be given on the next scheduled lecture date.

DATE		TOPIC(S)	READING DUE
AUGUST	24/25	Structure of Atoms x	1.7-1.10
	26/27	Units and Measurement	2
SEPTEMBER	31/1	Waves of Light (and Electrons)	3.1-3.4
	2/3	Quantum Numbers and Shapes	3.5-3.6

	7/8	Labor Day Recess (No Class)	
	9/10	Electrons and Orbital-Filling	4.1-4.4
	14/15	Periodic Trends	4.5-4.8
	16/17	Exam 1 (Chapters 1-4)	
	21/22	Octets and Ions and Math	5.1-5.6, 5.9-5.11
	23/24	Covalent Bonds and Lewis Structures	5.7-5.8, 6.1-6.3
	28/29	Advanced Lewis Structures	6.3-6.6
OCTOBER	30/1	Covalent Bonds and Molecular Structure	6.7-6.10
	5/6	Bonding Theory	7
	7/8	Exam 2 (Chapters 5-7)	
	12/13	Accounting Work in Chemical Reactions	8
	14/15	Introduction to Solutions	9.1-9.4
	19/20	Reactions in Aqueous Solution	9.5-9.9
	21/22	Energy Accounting	10.1-10.6
	26/27	Energy and Reactions	10.7-10.11
	28/29	Advanced Chemical Accounting	
NOVEMBER	2/3	Exam 3 (Chapters 8-10)	
	4/5	Ideal Gas Law	11.2, 11.4
DATE		TOPIC(S)	READING DUE
NOVEMBER	9/10	Gas Math	11.5-11.11
	11/12	Phases and Forces	12.1-12.4
	16/17	Phase Changes	12.5-12.7, 13.2
	18/19	Solids	13.4-13.6

	23/24	Thanksgiving Break	
	25/26	Thanksgiving Break	
DECEMBER	30/1	Solution Properties	14.1-14.5
	2/3	Exam 4 (Chapters 11-14*)	
	8/9	Solutions Wrap-Up	14.5-14.6
	10/11	Exam Review	
	14 /17	Final Exam - Comprehensive	