

## CHEMISTRY 134/Fall 2020 SYLLABUS

All readings and assignments are in *“Introductory Chemistry”* 6<sup>th</sup> Edition, by Nivaldo J. Tro,  
*Exact pace of topics and associated problems subject to change, as determined in lecture*

Lec	Date	Reading	Topics	Homework to be discussed in recitation
REC	T 9/1	No Recitation		
1	W 9/2	1.1–1.5 2.1–2.5	Course introduction, the chemical world, measurement, accuracy, precision, significant figures, rounding	1: 1, 3, 5, 7, 9, 13, 15, 17, 25 2: 31, 33, 41, 43, 45, 47, 49, 51, 55
REC	Th 9/3	No Recitation		
	M 9/7	No Class	Significant figures in calculation, SI units, SI prefixes, derived SI units, unit conversions, dimensional analysis, problem solving strategies	2: 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85 Self-Assessment Quiz: Q1– Q9
2	T 9/8 Monday Class	2.5 – 2.7		
3	W 9/9			
REC	Th 9/11			
	QUIZ 1			
4	M 9/14	2.7 – 2.10	Solving multistep unit conversion problems, unit conversion in both the numerator and denominator, unit raised to a power, density and percent as unit conversion, problem solving strategies	2: 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 115, 117, 119, 123, 128, 117, 119 Self-Assessment Quiz: Q10–Q16
REC	T 9/15			
5	W 9/16			
REC	Th 9/17			
	QUIZ 2			
6	M 9/21	2.10 3.1– 3.10	Density and percent as unit conversion, problem solving strategies. Classifying matter, physical and chemical properties, physical and chemical changes, conservation of mass, energy, temperature	3: 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 55, 59, 61, 63, 65 Self-Assessment Quiz: Q1– Q8
REC	T 9/22			
7	W 9/23			
REC	Th 9/24			
	QUIZ 3			
8	M 9/28	4.1– 4.8	The nuclear atom, the properties of protons, neutron and electrons, elements, atomic number, mass number, ions, isotopes, periodic law and periodic table	4: 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 67, 59, 61, 63, 65, 67, 89, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 85, 109 Self-Assessment Quiz: Q1– Q11
REC	T 9/29			
9	W 9/30			
REC	Th 9/31			
	QUIZ 4			
10	M 10/5	4.9	Atomic mass, percent abundance. Review	4: 111, 115, 116, 118
REC	T 10/6			
11	W 10/7	EXAM 1 Lecture 1-10		
REC	Th 10/8			
12	M 10/12	CHEM 134 and CHEM 133 merge. Use the Chem 133/134 syllabus from this point on		