

General Chemistry II Laboratory

Weekly Schedule

Chemistry 121L

Spring 2020

Week	Date	Activity	Due Date
1	1/13	PreLab: Sources of Chemical Information In-Lab: Equipment drawer assignment, lab groups form	In PreLab week 3
2	1/20	MLK Day —No labs meet this week	
3 [†]	1/27	Quiz: structures and bonding, different aspects of the scientific literature In-Lab: Investigation 17 Structure and Bonding	In lab week 4
4	2/3	Quiz: Quantum mechanics, Lewis structures, bonding, molecular shapes, bond angles, VSEPR In-Lab: Investigation 18 FT-IR Identification of an Unknown Liquid	In lab week 5
5	2/10	Quiz: Lewis structures, bonding, molecular shapes, VSEPR, IMFs In-Lab: Investigation 20 Intermolecular Forces: Polymers	In lab week 6
6	2/17	Quiz: Molecular structure, intermolecular forces, polymers In-Lab: Investigation 19 Gas Chromatography Coupled with FTIR	In lab week 7
7	2/24	Quiz: Chromatography, intermolecular forces, separation techniques In-Lab: Investigation 21 Crystals and Their Structures	In lab week 9
8	3/2	Spring Break: No lab	
9	3/9	In-Lab: Quiz: Solid state structures, chemical reactions Investigation 22 Is it Economical to Recycle Aluminum?	In lab week 10

10	3/16	Quiz: Reactions, kinetics In-Lab: Investigation 24 Determination of the Rate Law for Food Color Bleaching (PART 1)	<u>2-part lab</u> Not due until week 13.
11	3/23	No Lab. Faculty and students will be presenting research at the National Meeting of the American Chemical Society.	
12	3/30	Quiz: Rate laws, reaction rate, rate order In-Lab: Investigation 24 Determination of the Rate Law for Food Color Bleaching (PART 2)	In lab week 13
13	4/6	Quiz: Rate laws, reaction rate, rate order, equilibria In-Lab: Investigation 26 Factors Affecting Chemical Equilibrium	In lab week 14
14	4/13	Quiz: Equilibria, acids, bases, reactions In-Lab: Investigation 27 Determination of an Acid Dissociation Constant	NOTE THE CHANGE: In Prelab week 15
15	4/20	Practical Examination: Must be physically present in prelab	
16	4/27	Final Exams Week—no lab	

†Information given for each **Laboratory Quiz** is only a general overview of material which may be covered. Quizzes can also cover prior investigations and are taken individually in the laboratory prior to the start of lab.