## CHEMISTRY 1A SPRING 2019 TENTATIVE CALENDAR

Week	Tuesday	Thursday
Week 1	Jan 22 Lec: Syllabus, Policy, Web assignment, Mastering chemistry overview Chapter 1: Introduction: Matter and Measurement, Chapter 11: 11.1; A molecular Comparison of Gases, Liquids, and solids. Tables 11.1 & 11.2, go figure problem page 437; 11.2: Intermolecular forces, give it some thought problem Page 438; Chapter 13: 13.6: Colloids-read for meaning, the summary and key terms on page 557 is test material. Lab: Watch safety video, Math quiz	Jan 24 Lec: Chapter 1 continued. Lab: Introduction to Canvas. Navigating Mastering Chemistry Graphing handout/graphing
Week 2	Jan 29 Lec: Chapter 1: Introduction: Matter and Measurement Chapter 2: Atoms, Molecules, and Ions. Lab: Exp. 1-Use of equipment, simple determination of significant figures in basic equipment. The handouts for lab are located on the website. I will print out the report sheet where you will record information from the lab	Jan 31 Lec: Chapter 2: Atoms, Molecules, and Ions. Chapter 7: 7.6: Properties of metals and Nonmetals 7.7 & 7.8: Group Trends in Metals and Nonmetals. Page 275 Figure 7.15: Representative Oxidation states of the elements (Nomenclature). Lab: Formatting lab reports/book
Week 3	<ul> <li>Feb 5</li> <li>Lec: Chapter 2: Atoms, Molecules, and Ions</li> <li>Chapter 3: Stoichiometry: Calculations with Chemical</li> <li>Formulas and Equations</li> <li>Lab: Exp. 2: Density &amp; Determine the density of an unknown metal or solution by graphing.</li> </ul>	Feb 7 Lec: Chapter 3: Stoichiometry: Calculations with Chemical Formulas and Equations Lab: We will do more graph(s) for density, and work on problem solving.
Week 4	Feb 12 Lec: Chapter 3: Stoichiometry: Calculations with Chemical Formulas and Equations Lab: Exp. 3: Using physical properties to identify and unknown liquid	Feb 14 Lec: Chapter 4: Aqueous Reactions and Solution Stoichiometry; Lab: Exp. 6-Thermal Decomposition of sodium bicarbonate Limiting Reagent Dry lab I

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Week	Tuesday	Thursday
Week 5	Feb 19	Feb 21
	Lec: Chapter 4: Aqueous Reactions and Solution	Lec: EXAM 1: Exam 1 will cover Chapter 1, 2 (excluding
	Stoichiometry	nomenclature), 4 (4.1-4.3), 7.6-7.8, 11.1
	Chapter 13-13.4 Expressing solution concentrations	Lab: No lab
	Lab: Review in lab. Not mandatory; if you choose not to	
	attend the review, consider using this time an open study	
	hour. Work is still due. Review starts at 1:00 pm and	
	continues to 4:pm	
Week 6	Feb 26	Feb 28
	Lec: Chapter 4: Aqueous Reactions and Solution	Lec: Chapter 5: Thermochemistry
	Stoichiometry	Chapter 11: 11.4, Chapter 13, 13.1
	Chapter 13: Properties of solutions-13.1	Lab: Exp. 9: Single replacement reactions
	Chapter 5: Thermochemistry	
	Lab: NIE/Exp. 8: Double Displacement Reactions	
Week 7	Mar 5	Mar 7
	Lec: Chapter 5: Thermochemistry	Lec: Chapter 10: Gases
	Chapter 11: 11.4	Lab: Exp 20 or 21, see agenda
	Lab: Exp 20 or 21, see agenda	
Week 8	Mar 12	Mar 14
	Lec: Chapter 10: Gases	Lec: Chapter 11: Intermolecular Forces-11.2—11.3, 11.5
	Lab: Exp. 15: Heat of fusion of ice	Chapter 12: Solids and Modern Materials-12.1, 12.4, 12.5-assigned
		reading
		Lab: Exp. 15: Heat of fusion of ice and calorimetry
Week 9	Mar 19	Mar 21
	Lec: Chapter 13: Properties of Solutions 13.1-13.3	Lec: No school, Professional Development day
	Lab: Exp. 13 Ideal Gas Constant/ molar volume gases	Lab: No school, Professional Development day
Week 10	Mar 26	Mar 28
	Lec: Chapter 6: Electronic Structure of Atoms	Lec: EXAM 2. Exam 2 will cover the rest of Chapter 4, Chapter
	Lab: Review in lab. Not mandatory; if you choose not to	5, 10, 11.1-11.4, 12.1, 12.4, & 12.5, 13.1-13.3
	attend the review, consider using this time an open study	Lab: No lab
	hour. Work is still due. Review starts at 1:00 pm and	
	continuers to 4:pm	

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Week	Tuesday	Thursday
	Apr 2	Apr 4
	Lec: Spring break	Lec: Spring break
	Lab: Spring break	Lab: Spring break:
Week 11	Apr 9	Apr 11
	Lec: Chapter 6: Electronic Structure of Atoms	Lec: Chapter 6: Electronic Structure of Atoms
	Lab: Exp. 19: Light	Lab: Chapter 6 handouts
Week 12	Apr 16	Apr 18
	Lec: Chapter 7:Periodic Properties	Lec: Chapter 7:Periodic Properties
	Lab: Slater, Periodic trends	Lab: WS for Chapter 7
Week 13	Apr 23	Apr 25
	Lec: Chapter 8: Fundamentals of Chemical Bonding	Lec: Chapter 8: Fundamentals of Chemical Bonding
	Lab: Worksheets for Chapter 8	Lab: Worksheets for Chapter 8
Week 14	Apr 30	May 2
	Lec: Chapter 8: Fundamentals of Chemical Bonding	Lec: Chapter 9: Molecular Geometry and Bonding Theories
	Chapter 9: Molecular Geometry and Bonding Theories	Lab: Worksheets for Chapter 9
	Lab: Worksheets for Chapter 9	
Week 15	May 7	May 9
	Lec: Chapter 9: Molecular Geometry and Bonding Theories	Lec: Exam 3. Exam 3 will cover chapter 6, Chapter 7 (all),
	Lab: Review in lab. Not mandatory; if you choose not to	Chapter 8, and Chapter 9, 13.5
	attend the review, consider using this time an open study	Lab: No lab
	hour. Work is still due. Review starts at 1:00 pm and	
	continues to 4:pm	
Week 16	May 14	May 16
	Lec: the rest of 11 and 13	Lec: rest of 11 & 13
	Lab: review	Lab: Mandatory check out-you will get points for this.I will have a
		method for documenting this. You will lose 10% off your top 3
		labs if you miss.
		Review.
Week 17	May 21	May 23
	Lec: Final exam	Lec: Last day to pick up graded work