

PHYSICI 101 Tentative Schedule Spring 2012

	Week Of	Lecture	Lab Activities	Ch
1	Feb 6	Syllabus Tools of Science Speed & Velocity	<i>Precision & Accuracy (M/T)</i> <i>Making a Hypothesis (W/Th)</i> <i>Graphing (W/Th)</i>	P 1
2	Feb 13	Acceleration Newton's Laws of Motion Momentum & Force of Impact	<i>Units (M/T)</i> <i>Downward Acceleration (W/Th)</i>	1 2 3
3	Feb 20	Closed Monday Work, Energy & Power	<i>No Lab Tuesday (optional tutor time)</i> <i>Conserving Energy (W/Th)</i>	3
4	Feb 27	Gravity, Projectiles & Circular Motion <i>March 2nd is last day to drop</i>	<i>Balancing a See-Saw (M/T)</i> <i>Launching a Projectile (W/Th)</i>	4
5	Mar 5	Fluids: Floating & Flying Test 1: Chapters 0-4 (W/Th)	<i>Circular Motion (M/T)</i> <i>Pressure of a Person (W/Th)</i>	5
6	Mar 12	Heat & Temperature Heat Transfer & Phase Change	<i>Float a Boat (M/T)</i> <i>Floating (M/T)</i> <i>Specific Heat Capacities (W/Th)</i>	6 7
7	Mar 19	Electricity Magnetism	<i>Temperature of a Molecule (M/T)</i> <i>Phase Change of Water vs Salt Water (M/T)</i> <i>Rates of Heat Conduction (W/Th)</i> <i>Jumping Pepper (W/Th)</i>	8 9
8	Mar 26	Waves & Sound <i>March 30th is last day to withdraw</i>	<i>Batteries & Bulbs (M/T)</i> <i>Playing with Magnets (W/Th)</i> <i>The EM Connection (W/Th)</i>	10
	April 2-8	Spring Break		
9	Apr 9	Light Waves Test 2: Chapters 5-10 (W/Th)	<i>Waves on a Slinky (M/T)</i> <i>Bouncing Light (W/Th)</i>	10
10	Apr 16	Light Waves Atoms & The Periodic Table	<i>Bending Light (M/T)</i> <i>Spectra (M/T)</i> <i>The Periodic Table (W/Th)</i>	11 12
11	Apr 23	The Nucleus & Radioactivity Elements of Chemistry	<i>Half-Life (M/T)</i> <i>Chemical Change (W/Th)</i> <i>Decomposing compounds (W/Th)</i>	13 14
12	Apr 30	Chemical Bonds & Interactions	<i>Molecular Models (M/T)</i>	15
13	May 7	Mixtures & Solubility Test 3: Chapters 11-15 (W/Th)	<i>Moles, Grams, & Molecules (M/T)</i> <i>Solubility of Solids (W/Th)</i>	16
14	May 14	Chemical Reactions <i>Rates of Reactions (W/Th)</i>	Science Project Presentations Science Project Presentations	17 18
15	May 21	Acids, Bases, & Redox Reactions Introduction to Organic Chemistry	<i>Chemistry in a Ziploc Bag (M/T)</i> <i>Fruity Current (M/T)</i> <i>Testing Acids & Bases (W/Th)</i> <i>Organic Molecules (W/Th)</i>	
16	May 28	Closed Monday Open/Optional Review Tuesday	Cumulative Final Exam (Wed/Thurs)	