

Semester Physics Implementation, Spring 2017, Lecture-style

Each class period = 75 minutes, twice weekly

Units Covered: M, EM, FM, CF, L

Week 1	10-Jan	Intro; UML1 Modeling and Mystery Tube (35 min)	
	12-Jan	UML2 Exploring Magnetic Effects (90 min)	HW: UM Ext A
Week 2	17-Jan	UML3 Developing a Model for Magnetism (70 min)	HW: UM Ext B
	19-Jan	UML4 Better Model for Magnetism (60 min)	
Week 3	24-Jan	UML5 Explaining Phenomena involving Magnetism (75 min)	
	26-Jan	UML7 Exploring Static Electric Start in Class, finish as HW: UML6 Engineering Design: The Maglev System (60 min)	
Week 4	31-Jan	EML1: Interactions and Motion (35 min); EML2: Motion and Energy	HW: EM Ext A and EM Ext C
	2-Feb	EML3: Slowing and Stopping (40 min); EML4: Friction as an Interac	HW: EM Ext D, EM Ext E, EM Ext F
Week 5	7-Feb	EML5: Warming and Cooling (80 min)	HW: EM Ext G
	9-Feb	EML6: Keeping Track of Energy in Electric and Circuit Interactions	HW: EM Ext H
Week 6	14-Feb	EML7: More on Keeping Track Start in Class, finish as HW: EML8: No more cold showers	
	16-Feb	FML1: Interactions, Force and Motion (60 min)	HW: FM Ext A
Week 7	21-Feb	FML2: Motion with a Continuous Force (35 min); FML3: Pushes and	HW: FM Ext B, FM Ext C
	23-Feb	EXAM 1	
Week 8	28-Feb	FML4: Forces and Friction (35 min); FML5: Changing Force Strengt	HW: FM Ext D, FM Ext E
	2-Mar	FML6: Falling Objects	HW: CF Ext A
Week 9	7-Mar	CFL1: Combinations of Forces (50 min)	HW: CF Ext B, CF Ext C, CF Ext D
	9-Mar	CFL2: Balanced Forces (40 min); CFL3: Situations Involving Friction	HW: CF Ext E
Week 10	14-Mar	Spring Break	UM
	16-Mar		
Week 11	21-Mar	CFL4: Comparing Forces During Interactions (50 min);	
	23-Mar	CFL5: ED Inspiration from Nature (Whirligig)	
Week 12	28-Mar	LL1: Light Waves, Pinholes and Shadows (75 min)	HW: L Ext A
	30-Mar	EXAM 2	
Week 13	4-Apr	LL2: Reflection of Light (40 min)	HW: L Ext B
	6-Apr	LL3: Refraction of Light (75 min)	
Week 14	11-Apr	LL4: Color (70 min)	
	13-Apr	LL5: ED Measuring the Moon's Distance	
Week 15	18-Apr	Review	
	20-Apr	Review	

