

LECTURE AND LAB SCHEDULE

Week	Meeting Dates	Lecture Topic	Lab Topics Project Objectives
1	W Jan 7	Course Overview and Physical Characteristics—Size and Shape	Lab 1: Introduction to Physical Properties Project Objective 1: Topic Selection— Memos due 1/21/09
2	M Jan 12	Physical Characteristics—Volume	Lab: Guest Presentations and Library Review Project Objective 1: Topic Selection— Memos due 1/21/09
	W Jan 14	Physical Characteristics—Density	
3	M Jan 19	Holiday—Martin Luther King, Jr. Day	Lab 2: Size, Shape and Volume Determination
	W Jan 21	Physical Characteristics—Surface Area, Specific Gravity and Porosity*	
4	M Jan 26	Structure and Composition	Project Objective 2: Literature Review
	W Jan 28	Water Properties and Relationships	
5	M Feb 02	Water Relationships	Lab 3: Volume, Density, Porosity and Surface Area
	W Feb 04	Chemical Potential	
6	M Feb 09	Exam 1	Project Objective 3: Project Proposal
	W Feb 11	Chemical and Water Potential	
7	M Feb 16	Water Potential*	Lab 4: Water Potential Measurement
	W Feb 18	Mechanical Properties—Stress and Strain	
8	M Feb 23	Project Proposal Presentations	Project Objective 4: Experimental Design
	W Feb 25	Mechanical Properties—Testing, Dynamic Behavior and Failure	
9	M Mar 02	Spring Break	No Lab
	W Mar 04		Fine tune Experimental Design (All groups)
10	M Mar 09	Viscoelastic Models	Lab 5: Force-Deformation Measurement Project Objective 5: Complete Experimentation (sec 202B)
	W Mar 11	Viscoelastic Models	
11	M Mar 16	Viscoelastic Models	Project Objective 5: Complete Experimentation Lab 5: Force-Deformation Measurement (sec 202B)
	W Mar 18	Flow Properties and Viscosity	
12	M Mar 23	Viscosity Measurement	Lab 6: Creep and Stress Relaxation Measurement Project Objective 6: Data Analysis (sec 202B)
	W Mar 25	Viscosity Measurement	
13	M Mar 30	Exam 2	Project Objective 6: Data Analysis Lab 6: Creep and Stress Relaxation Measurement (sec 202B)
	W Apr 01	Thermal Properties and Specific Heat	
14	M Apr 06	Thermal Conductivity and Other Property Estimations	Lab 7: Viscometry Project Obj. 7: Presentation & Report Preparation* (sec 202B)
	W Apr 08	Measurement Techniques and Thermal Analysis	
15	M Apr 13	Electromagnetic Spectrum	Project Objective 7: Presentation & Report Preparation* Lab 7: Viscometry (sec 202B)
	W Apr 15	Optical and Electrical Properties	
16	M Apr 20	Project Presentations (B/A)	Lab: Review Session * Project Notebooks & Reports due Monday 4/27/09 by 5PM
	W Apr 22	Project Presentations (A)	
17	M May 4 th	Final Exam 8:00 -11:00 AM	