

SYLLABUS - CM4650 - Spring 2009

Week	Lecture #	Date	Subject	Chapter	HW
1	1	12-Jan-09	Introduction to Rheology		video
1	2	14-Jan-09	Vectors and Tensors	1	
1	3	16-Jan-09	Vectors and Tensors	2	
2	4	19-Jan-09	<i>no class - MLK Day</i>	2	
2	5	21-Jan-09	Vectors and Tensors	2	HW1 due (Ch 2)
2	6	23-Jan-09	Vectors and Tensors	2	
3	7	26-Jan-09	Vectors and Tensors	2	
3	8	28-Jan-09	Newtonian Fluid Mechanics	3	
3	9	30-Jan-09	Newtonian Fluid Mechanics	3	
4	10	2-Feb-09	Newtonian Fluid Mechanics	3	
4	11	4-Feb-09	Polymeric Flow Phenomena	4,5,6	HW2 due (Ch 2,3)
4	12	6-Feb-09	<i>no class - Winter Carnival</i>		
5		9-Feb-09	Standard Flows	4	
5	13	11-Feb-09	Standard Flows	4	
5	14	13-Feb-09	Standard Flows	4	
5	15	12-Feb-09	Exam 1	1,2,3	Thurs Exam 6-7:30
6	16	16-Feb-09	Material Functions	5	
6	17	18-Feb-09	Material Functions	5	
6	18	20-Feb-09	Material Functions	5	HW3 due (Ch 2,3,4)
7	19	23-Feb-09	Material Functions	5	
7	20	25-Feb-09	Material Functions	5	
7	21	27-Feb-09	Experimental Observations	6	
8	22	2-Mar-09	<i>no class</i>		
8	23	4-Mar-09	Experimental Observations	6	HW4 due (Ch 5)
8		6-Mar-09	<i>no class</i>		
B		9-Mar-09	<i>Spring Break</i>		
B		11-Mar-09	<i>Spring Break</i>		
B		13-Mar-09	<i>Spring Break</i>		
9	24	16-Mar-09	Experimental Observations	7	
9	25	18-Mar-09	Generalized Newtonian Fluid	7	
9	26	20-Mar-09	Generalized Newtonian Fluid	7	
10	27	23-Mar-09	Generalized Newtonian Fluid	8	
10	28	25-Mar-09	Linear Viscoelasticity	8	HW5 due (Ch 6,7)
10	29	27-Mar-09	Linear Viscoelasticity	8	
11	30	30-Mar-09	Linear Viscoelasticity	8	
11	31	31-Mar-09	Exam 2	4,5,6,7	Tues Exam 2 6-7:30
11	32	1-Apr-09	Linear Viscoelasticity	8	
11	33	3-Apr-09	Linear Viscoelasticity		
12	34	6-Apr-09	Linear Viscoelasticity	8	
12	35	8-Apr-09	Linear Viscoelasticity	8	
12	36	10-Apr-09	Advanced Rheology	9	
13	37	13-Apr-09	Advanced Rheology	9	
13	38	15-Apr-09	Advanced Rheology	9	HW6 due (Ch 8)
13	39	17-Apr-09	Rheometry	10	
14	40	20-Apr-09	Rheometry	10	
14	41	22-Apr-09	Rheometry	10	
14		24-Apr-09	<i>no class</i>		HW7 due (Ch 8,9,10)
15		April 30-May 4	FINAL	Ch 1-10	<small>updated 26Jan09</small>