

# CM4650 Spring 2020 *rev3*

Week	Lecture #	Date	Topic	Chapter	HW/Exams
1	1	13-Jan-20	Introduction to Rheology	1	<b>video</b>
1	2	15-Jan-20	Vectors and Tensors	2	
2		20-Jan-20	no class - MLK Day		
2	3	22-Jan-20	Vectors and Tensors	2	
3	4	27-Jan-20	Newtonian Fluid Mechanics	3	<b>HW1 due (Ch 2)</b>
3	5	29-Jan-20	Newtonian Fluid Mechanics	3	
4	6	3-Feb-20	Newtonian Fluid Mechanics	3	
4	7	5-Feb-20	Polymeric Flow Phenomena (Just in time)	4,5,6	<b>HW2a due (Ch 2)</b>
5	8	10-Feb-20	Standard Flows	4	
5	9	12-Feb-20	Standard Flows	4	
6	10	17-Feb-20	Material Functions	5	<b>HW2b due (Ch 2,3)</b>
<b>6</b>	<b>11</b>	<b>18-Feb-20</b>	<b>Exam 1</b>	1,2,3	<b>Tuesday Exam 6-8pm</b>
6	12	19-Feb-20	Material Functions	5	
7	13	24-Feb-20	Experimental Observations	6	
7	14	26-Feb-20	Experimental Observations	6	<b>HW3 due (Ch 2,3,4)</b>
8	15	2-Mar-20	Generalized Newtonian Fluid	7	
8	16	4-Mar-20	Generalized Newtonian Fluid	7	<b>HW4 due (Ch 5)</b>
B		9-Mar-20	<i>Spring Break</i>		-----
B		11-Mar-20	<i>Spring Break</i>		-----
9	17	16-Mar-20	Generalized Newtonian Fluid	7	
9	18	18-Mar-20	Linear Viscoelasticity	8	<b>HW5a due (Ch 6,7)</b>
10	19	23-Mar-20	Linear Viscoelasticity	8	
<b>10</b>	<b>20</b>	<b>25-Mar-20</b>	<b>Exam 2</b>	4,5,6	<b>Wednesday in class</b>
11	21	30-Mar-20	Linear Viscoelasticity	8	<b>HW5b due (Ch 6,7)</b>
11	22	1-Apr-20	Linear Viscoelasticity		
12		6-Apr-20	Class Cancelled (Exam day off)		
12	23	8-Apr-20	Linear Viscoelasticity	8	<b>HW6 due (Ch 8)</b>
13	24	13-Apr-20	Advanced Rheology	9	
13	25	15-Apr-20	Advanced Rheology	9	
14	26	20-Apr-20	Rheometry	10	
14	27	22-Apr-20	Rheometry	10	<b>HW7 due (Ch 8,9,10)</b>
15		<b>as scheduled</b>	<b>Final Exam</b>	All	