

FPST 2483 Fluids for Fire Protection Course Schedule - SWJTU SPRING 2021					
Week	Class	Date	Topic(s)	Reading Assignment	Outside Homework / Lab Assignment
1	Lab	3/1/2021	Basic Conversions & Hydrostatics	Ch. 1-2	Hydrostatics Lab Report
	Lecture		Introduction, Water as a Suppression Agent		
			Properties & Conversions		Chapter 1 Even Problems
			Hydrostatics		
2	Lab	3/8/2021	Hydrostatics/ Hydrokinetics	Ch. 3-4	
	Lecture		Hydrostatics/ Hydrokinetics	FPH Section 15, 15-35 thru 15-49	Chapter 2 Even Problems
			Hydrokinetics		
			Hydrokinetics/Flow Measuring Devices		Chapter 3 Even Problems
3	Lab	3/15/2021	Hydrostatics / Hydrokinetics / Flow Measuring Intro	Ch. 5	-
	Lecture		Flow Measuring Devices		Chapter 4 Even Problems
			Friction Loss - Darcy Weisbach		-
4	Lab	3/22/2021	Computer Calculations - Darcy Weisbach & Hazen Williams	Ch. 5	-
	Lecture		Exam 1		-
			Friction Loss - Darcy Weisbach	Ch. 5, FPH Section 15, 15-49 thru 15-61	
			Friction Loss - Hazen Williams		Chapter 5 Even Problems
5	Lab	3/29/2021	C-Factor & Equivalent Pipe Lengths & Friction Loss Calculations	Ch. 6	C-factor & Equivalent Lengths Lab Report
	Lecture		Simple Loops		-
			Simple Loops		Chapter 6, 6.2 & 6.4
			Complex Loops		-
6	Lab	4/5/2021	Simple Loops	Ch. 6	
	Lecture		Complex Loops		Chapter 6, 6.6(part a)
			Gridded Water Systems		
			Gridded Water Systems		
7	Lab	4/12/2021	Complex Loops	Ch. 6	-
			Exam 2		-
	Lecture		Gridded Water Systems		Chapter 6, 6.6 (part b&c)
8	Lab	4/19/2021	Hardy Cross/Gridded System Calculations	Ch. 7-8	Grids Lab Report / Computer Calculations
	Lecture		Water Supply Systems	FPH Section 15 Ch. 2	-
			Water Supply Systems	Ch. 9, FPH Section 15 Ch. 6 and Ch. 7	Chapter 7 Even Problems
			Water Supply Systems / Testing Water Supply Systems		-
9	Lab	4/26/2021	Water Supply Systems / Testing Water Supply Systems	Ch. 9-10	-
	Lecture		Testing & Analysis of Water Supply Systems		Chapter 8 Even Problems
			Fire Pump Introduction		
	Lecture		Fire Pump Performance		Chapter 10 Even Problems
10	Lab	5/3/2021	Fire Pump Inspections & Pump Performance	Ch. 11, FPH Section 15 Ch. 1	
	Lecture		Fire Pump Testing		-
	Lecture		Elevated Storage & Determination of Water Supply Requirements		
11	Lab	5/10/2021	Fire Pump Testing & Course Review		-
			Exam 3		-
	Lecture		Final Exam Review		-
12	Lab	5/17/2021	FINAL EXAM		-
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