Syllabus Multiphase Flows MIE 1222

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Text: Drops, Sprays and Aerosols, by N. Ashgriz

week	Торіс	Assignments
1	Chap. 1: Introduction	
	Chap 2: Fluid Equations 2.1 – 2.2	
2	Chap 2: Fluid Equations 2.3 – 2.4	
3	Chap 3: Fluid Interface Instabilities	Homework 1
4	Chap 4: Instability of a Liquid Sheet	
5	Chap 5: Instability of a Liquid Jet	Homework 2
6	Chap 6: Droplet Dynamics	
7	Chap 7: Droplet Deformation and	Homework 3
	Breakup	
8	Reading week	
9	Chap 8: Droplet Collision and Impact	
10	Chap 9: Droplet Impact	Homework 4
11	Chap 10: Atomization Models	
	Chap 10: Atomization Models	Homework 5
10	Review	
11	Due date of the final project	Final Project

Final grade will be based on:

Homework:	70%
Final Project:	30%
Office Hour by appointment.	