

MECH-322 Fluid Mechanics				
Fundamentals of Fluid Mechanics, Munson, 8'th				
Week	Topic	Reading	Homework	Exams
1	Introduction	1.0-1.6,1.10,1.11	1.13,29,31,32,35,44,55,74,78,80,81,84,87,89	
2	Fluid Statics	2.0-2.9	2.2,3,18,19,34,35,36,42,53,77,82,87,92,97,105	
3	Bernoulli Equation	3.0-3.6	3.2,24,25,32,36,38,44,48,50,51,57,59,72,74,76,81,82,97,99	
4	Fluid Kinematics	4.0-4.2	4.3,23,25,26,29,34,	
5	Mass Conservation	5.0-5.1	5.3,7,11,13,14,26,27	EXAM I
5	Momentum Conservation	5.2-5.2.2	5.35,38,39,40,44,45,46,50,53,56,57,59,61,80	
6	Energy Conservation	5.3-5.3.3	5.102,106,107,108,110,112,114,117,119,120,121,124,127,128	
7	Viscous Flow	8.0-8.3	8.4,19,21,44,46,47,54,55,56	
8	Viscous Flow	8.4-8.5	8.66,68,71,75,78,81,83,84,87,89,93,96,98,103,104,109,111	
9	External Flow	9.0-9.2,9.3-9.4	9.39,40,42,43,88,101,103,104,106	
10	Compressible Flow	11.0-11.2,11.4.1	11.12,36,40	EXAM II
11				FINAL

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Each problem you should work to master the understanding of the “*SOLUTION PROCESS*”, as opposed to just focus on the “hunt-n-peck” method of just selecting random equations without an understanding of how/when/why/where to apply equation.

This is the vital *ROAD MAP* to success within Fluid Mechanics and Engineering.

Dr. Berry is always available by EMAIL. ZOOM, or 1-on1 in the LC, ANYTIME and ANYDAY

Do the assigned homework problems like anything else you do (sports, music, etc.)? If you can do the homework problems *REPEATEDLY*, you should be able to do the exam problems.

○ *As with all sports, academic excellence mandates “practice”.*

IT IS NOT POSSIBLE TO BE SUCCESSFUL IN FLUID MECHANICS WITHOUT DOING HOMEWORK YOURSELF.