Syllabus

JME 3700: Introduction to Fluid Mechanics

This is the *tentative* information for the course and it is subject to change without notice. Check periodically! Last updated on January 7, 2019.

#	DATE	TOPIC	NOTES	CH.
1	1/15	Introduction	—	1
2	1/17	Fluid Statics	hw 1 assigned	2
3	1/22	Fluid Statics	—	2
4	1/24	Bernoulli Equation	hw 1 due / hw 2 ass.	3
5	1/29	Bernoulli Equation	—	3
6	1/31	Bernoulli Equation	hw 2 due / hw 3 ass.	3
7	2/5	Kinematics	—	4
8	2/7	Kinematics	hw 3 due / hw 4 ass.	4
9	2/12	Kinematics	—	4
10	2/14	Control Volume Analysis	hw 4 due† / hw 5 ass.	5
11	2/19	Control Volume Analysis	—	5
12	2/21	Control Volume Analysis	hw 5 due / hw 6 ass.	5
13	2/26	Control Volume Analysis	—	5
14	2/28	Differential Analysis	hw 6 due / hw 7 ass.	6
15	3/5	Differential Analysis	—	6
16	3/7	Differential Analysis	hw 7 due‡ / hw 8 ass.	6
—	3/12	NO CLASS	Spring Break	—
—	3/14	NO CLASS	Spring Break	—
17	3/19	**MIDTERM EXAM**	—	1–5
18	3/21	Differential Analysis	hw 8 due / hw 9 ass.	6
19	3/26	Similarity	—	7
20	3/28	Similarity	hw 9 due / hw 10 ass.	7
21	4/2	Similarity	—	7
22	4/4	Pipe Flow	hw 10 due / hw 11 ass.	8
23	4/9	Pipe Flow	—	8
24	4/11	Pipe Flow	hw 11 due§ / hw 12 ass.	8
25	4/16	External Flow	—	9
26	4/18	External Flow	hw 12 due / hw 13 ass.	9
27	4/23	External Flow	—	9
28	4/25	Open Channel Flow	hw 13 due¶	10

†Last day to submit homeworks 1–4

‡Last day to submit homeworks 5–7

§Last day to submit homeworks 8–11

¶Last day to submit homeworks 12–13