

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 16, 2017.

#	DATE	TOPIC	NOTES	CH.
1	1/17	Introduction	—	1
2	1/19	Fluid Statics	hw 1 assigned	2
3	1/24	Fluid Statics	—	2
4	1/26	Bernoulli Equation	hw 1 due / hw 2 ass.	3
5	1/31	Bernoulli Equation	—	3
6	2/2	Bernoulli Equation	hw 2 due / hw 3 ass.	3
7	2/7	Kinematics	—	4
8	2/9	Kinematics	hw 3 due / hw 4 ass.	4
9	2/14	Kinematics	—	4
10	2/16	Control Volume Analysis	hw 4 due [†] / hw 5 ass.	5
11	2/21	Control Volume Analysis	—	5
12	2/23	Control Volume Analysis	hw 5 due / hw 6 ass.	5
13	2/28	Control Volume Analysis	—	5
14	3/2	Differential Analysis	hw 6 due / hw 7 ass.	6
15	3/7	Differential Analysis	—	6
16	3/9	Differential Analysis	hw 7 due [‡] / hw 8 ass.	6
—	3/14	NO CLASS	Spring Break	—
—	3/16	NO CLASS	Spring Break	—
17	3/21	MIDTERM EXAM	—	1–5
18	3/23	Differential Analysis	hw 8 due / hw 9 ass.	6
19	3/28	Similarity	—	7
20	3/30	Similarity	hw 9 due / hw 10 ass.	7
21	4/4	Similarity	—	7
22	4/6	Pipe Flow	hw 10 due / hw 11 ass.	8
23	4/11	Pipe Flow	—	8
24	4/13	Pipe Flow	hw 11 due [§] / hw 12 ass.	8
25	4/18	External Flow	—	9
26	4/20	External Flow	hw 12 due / hw 13 ass.	9
27	4/25	External Flow	—	9
28	4/27	Open Channel Flow	hw 13 due [¶]	10

[†]Last day to submit homeworks 1–4

[§]Last day to submit homeworks 8–11

[‡]Last day to submit homeworks 5–7

[¶]Last day to submit homeworks 12–13