

MAT 253 - Fluid Mechanics

Preliminary curriculum for the fall 2015

Textbook: Kundu and Cohen, Fluid mechanics, Academic Press. The text book exists in 6 editions. In the table below you will find the Chapter numbers for the last 4 editions that are the preliminary curriculum for MAT253. You will find that there is not a clean 1-1 correspondence between the editions, and to get to the the Chapter on Geophysical Fluid Dynamics, some parts may have to be skipped in the lectures. For the oral exam at the end, I will ask from the lectured parts.

3rd	4th	5th	6th
5.1-5.5	5.1-5.5	5.1-5.4	5.1-5.3
6.1-6.11	6.1-6.11	6.1-6.5	7.1-7.5
7	7	7	8
9.1-9.12	9.1-9.12	8.1-8.7	9.1-9.7
10.1-10.9	10.1-10.9	9.1-9.8	10.1-10.8
10.12	10.12	9.10	10.10
12.6-12.9	12.6-12.9	11.3-11.6	11.3-11.6
14.1-14.6	14.1-14.6	13.1-13.6	13.1-13.5
14.11-14.14	14.11-14.14	13.11-13.14	13.9-13.12

Written 28 August 2015 by Jarle Berntsen