

GEOF 310 – pensum list

Atmospheric part by J. Reuder

Stull, R.B., An Introduction to Boundary Layer Meteorology, Kluwer Academic Publishing, 1988.

In general all relevant material is delivered as pdf-files from the lecture presentations. The content of Stull that has been covered by the lecture directly is listed below and recommended for reading:

Chapter 1: p1-p23
Chapter 2: p29-p69
Chapter 3: p75-p109
Chapter 4: p115-p147
Chapter 5: p151-p184
Chapter 6: p197-p213; p225-p236
Chapter 8: p295-p296; p303-p329
Chapter 9: p347-360; p.376-p386 ; p390-p391 (9.9.1)
Chapter 10 : p405-p417

Of course also the home exercises are relevant pensum.

Oceanographic part by Ilker Fer

An introduction to ocean turbulence, by S.A. Thorpe (2007)
Cambridge Univ. Press
Paperback ISBN: 978-0-521-67680-9

Sections 1.5, 1.6, 1.7, and 1.8 (pages 13-32)
Sections 2.1, 2.2., 2.3, and 2.4 (pages 37-59)
Sections 3.1, 3.2., 3.3, and 3.4 (except 3.4.4 and 3.4.5) (pages 77-100)
Sections 4.2, 4.3, 4.4 and 4.5 (pages 119-135)
Section 6 (pages 197-218)

Also, Under-Ice Boundary Layer by M. McPhee and J. Morison in Encyclopaedia of Ocean Sciences: (will be provided).
McPhee and Morison paper: all