

GEOF 310 – pensum list autumn semester 2014

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