

SYLLABUS GEOF212

Textbook: Global physical climatology, 2nd Edition (Hartmann, D. L. 2015, Elsevier Science).

Chapter 1 – Introduction to the Climate System
Chapter 2 – The Global Energy Balance
Chapter 3 – Atmospheric Radiative Transfer and Climate
Chapter 4 – The Energy Balance of the Surface
Chapter 5 – The Hydrologic Cycle
Chapter 6 – Atmospheric General Circulation and Climate
Chapter 7 – The Ocean General Circulation and Climate
Chapter 8 – Natural Variability of Weather and Climate
Chapter 10 – Climate Sensitivity and Feedback Mechanisms
Chapter 12 – Natural Climate Change
Chapter 13 – Anthropogenic Climate Change

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