

1 GEO: ATMOSPHERIC SCIENCES AND RESEARCH METHODOLOGY

Part 1`

1. Introduction to Atmospheric Sciences: Meteorology and Climatology
2. The Atmosphere: Composition, Structure and Importance
3. Solar Radiation: Nature of solar radiation, Distribution/variation of solar radiation, Albedo
4. Temperature: Measurement and recording; Diurnal annual range; Factors affecting variation in Temperature
5. Tropical Climatology: Definition and delimitation of the tropics; Characteristics of the tropical climate; Temperature features in the tropics; Major tropical climates
6. Research Methodology in Climatology: Steps in Research; Research design in climatology/meteorology; Data collection; Statistical analysis and interpretation of climatic data
7. Introduction to climate change; Linkage between Climate change and human security.
8. General revision; assessment test

Note: Part 2 of the course is handled by Dr. Kafando

Prof. A. A. Adebayo