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Introductory Remote Sensing. Principles and Concepts. With contributions from Clare H. Power and John Keating. xix + 184 pp. London: Routledge. Price £25.00 (paperback). ISBN 0 415 19646 9.

**(PDF) GIBSON, P. J. 2000. Introductory Remote Sensing ...**  
This module provides an introduction to the basic concepts and principles of remote sensing. It includes three components: 1. The geometric principles of remote sensing: geodetic principles and datums, reference systems, mapping projections distortions and transformations; data acquisition methods. 2. The radiometric principles of remote sensing: electromagnetic radiation; basic laws of electromagnetic radiation; absorption, reflection and emission; atmospheric effects; radiation ...

### Principles and Practice of Remote Sensing | UCL Institute ...

The principle of a remote sensing based method: measurement and analysis are performed on image data.

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### PRINCIPLES OF REMOTE SENSING

Introduction To Remote Sensing e. Detection of Reflected/Emitted Energy by the Sensor: The sensors recording the energy that they receive are placed in a near- polar sun synchronous orbit at an altitude of 700 - 900 km. These satellites are known as remote sensing satellites (e.g. Indian Remote Sensing Series).

### Chapter 7 84 Introduction To Remote Sensing

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### Principles of remote sensing : an introductory textbook ...

1. Introduction The term remote sensing is often wrongly applied to satellite-borne imaging of the earth's surface only. Remote sensing is the common name for all methods used to collect data at a distance from the object under study by some kind of recording device. The use of remote

### INTRODUCTION TO REMOTE SENSING

Year of publication 2009. The book presents the basic principle of geospatial data acquisition limiting the scope to the intersection of earth observation and remote sensing. The design of the book was governed by the aim to cover the interests of a very wide user spectrum and the restriction that a novice student of geo-informatics can learn the selected basics in three weeks.

### Principles of remote sensing - An introductory textbook - FAO

This introductory remote sensing course provides an introduction to the physical principles of satellite remote sensing, and basic remote sensor data processing. In particular, this includes: examining the basic physics of electromagnetic (EM) radiation and the complex interactions of radiation with the atmosphere and surface, examining the characteristics of the EM radiation (spectral signatures) across regions of the EM spectrum for various surface targets.

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