

MANGALORE UNIVERSITY
MSc Geography

GYP 509: Interpretation of Aerial Photo and Satellite Imagery

Course learning outcomes:

- CO1. Identify the difference between aerial photographs and satellite imagery
- CO2. Analyze methods interpreting aerial photographs and satellite imagery
- CO3. Analyze aerial photograph with stereoscope
- CO4. Analyze satellite imagery and produce different thematic maps.

Unit 1: Comparison of features in toposheets, aerial photographs and satellite imageries. Determination of scales of aerial photographs. - 13

Unit 2: Procedure of taking aerial photographs, types of aerial photographs, medium of aerial photographic interpretation, test for stereographic view. - 14

Unit3: Elements of aerial photographs, stereographic interpretation of aerial photographs and manual preparation of land use maps. - 14

Unit 4: Interpretation of satellite imagery, identification of features through signatures, color identifications. Preparation of thematic maps using the satellite imagery. - 13

References:

1. Paul R. Wolf (1999) Elements of Photogrammetry, Mc. Grawhill, International Book Company, New Delhi.
 2. Averte and GL. Berrin (2001) Fundamentals of Remote Sensing and Aerial Photo interpretation, McMillan, New York.
 3. Singh and Sharma (2004) Introduction of Remote Sensing, Rawath Publications, New Delhi
 4. George Joseph (2002) Fundamentals of Remote Sensing, University press Pvt. Ltd. Hyderabad-29
- A Verte and GL. Berrin (2001); Fundamentals of Remote Sensing and Aerial Photo Interpretation, Mc. Millan, New York.