

GYP 509: Interpretation of Aerial Photography and Satellite Images

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.

Exercise No.	Title of the Exercise (Total 52 Hrs.)
1	Comparison of features in topo sheets and Aerial Photographs.
2	Comparison of features in Aerial Photographs and Satellite images.
3	Comparison of features in Topo sheets and Satellite imageries.
4	Determination of Aerial Photo scale.
5	Procedures of acquiring Aerial Photographs.
6	Types of Aerial Photographs.
7	Medium of Aerial Photographic Interpretation.
8	Test for Stereographic View.
9	Elements of Aerial Photographs.
10	Stereographic Interpretation of Aerial Photographs.
11	Manual Preparation of Land Use Maps.
12	Interpretation of Satellite Imagery.
13	Identification of features through signatures color imagery.
14	Preparation of Thematic maps using the satellite imagery.
15	Interpretation Methods.

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
5. A Verte and G.L. Berrin (2001): Fundamentals of Remote Sensing and Aerial Photo Interpretation, Mc. Millan, New York.