

Course Objectives

To make students understand in interpretation of aerial photographs to obtain quantitative and qualitative information about the earth surface, its cultural and physical landscape.

Course Outline

1. Introduction

- o Introduction to aerial photography
- o History of aerial photography
- o Field of photogrammetry

2. Essentials for Aerial Photograph

- o Types of photographs
- o Grey tones: definition, factors affecting grey tones, actual terrain colour

3. Drawing of Maps from Aerial Photos

- o Purpose of aerial photographs
- o Photo readings
- o Mosaics
- o Creation of stereo model

4. Ground Control Points

- o Necessity for ground control points
- o Quality of aerial photo
- o Principles of photo interpretation

5. Application of Aerial photographic techniques

- o Application of Aerial photographic techniques to the various fields
- o Aerial Photographic scales in Pakistan

Recommended Books

1. Tewinkel, G. C. (2015) "Manual of Photographic interpretation". American society of photogrammetry, Washington Lillesand.
2. Leuder, D. R. (2014) "Aerial photographic interpretation". McGraw-Hill, London.
3. T. M. (2006) "Remote sensing and image interpretation". John Wiley & Sons, Inc. N.York.
4. Robinson, et al. (1995) "Elements of Cartography". John Wiley and son, New York.
5. Ghosh, S. K. (1988) "Analytical photogrammetry". Pergamon Press, New York.