

# **GEOG-504 PRINCIPLES OF PHOTOGRAMMETRY AND REMOTE SENSING**

## **BLOCK-I FUNDAMENTALS OF PHOTOGRAMMETRY**

- Unit-1 Photogrammetry
- Unit-2 Principal of Stereophotogrammetry
- Unit-3 Measurements and Rectification
- Unit-4 Aerial Photos and Types of Aerial Photography

## **BLOCK-II REMOTE SENSING**

- Unit-5 Fundamentals of Remote Sensing
- Unit-6 Basics of Electromagnetic Radiation (EMR) and Remote Sensing
- Unit-7 Basics of Thermal and Radar Imagery

## **BLOCK III: DIGITAL IMAGE PROCESSING**

- Unit-8 Introduction to Digital Image Processing
- Unit-9 Preprocessing, Image Registration & Image Enhancement Techniques
- Unit-10 Spatial Filtering Techniques and Image Transformation
- Unit-11 Image Classification