

Geog. 433 Techniques in RS and GIS (Practical) Cr. Hours (03)
BS Geography 4 Years Programme, University of the Punjab, Lahore

- **GIS Lab. Work:**

- Introduction to GIS Lab (hardware/ software),
- Raster/Vector/Attribute Data Display, Scanning, Digitization,
- coordinate based point mapping,
- Raster/ Vector Conversion,
- Data layer integration and display of different projections,
- Map layout,
- Data Classification and Thematic Mapping,
- Handling of Topological Errors,
- Overlay and network analysis.

- **RS Lab Work:**

- Introduction to labs.,
- single band image interpretation,
- false color predictions, false color composite images interpretation,
- visual interpretation of aerial photographs,
- various sensors data comparison,
- thermal infrared image interpretation,
- introduction to ERDAS imagine,
- display, geo-linking, identification of targets, field trips.