

GIP 405: REMOTESENSING AND PHOTOGRAMMETRY (LAB H)	
1.	Aerial mosaics, compilation, annotation, scaling and preparation of Photo index, Photo base determination and numerical problems on aerial photographs.
2.	Spectral reflectance: Plotting of Spectral Reflectance Curves, Rocks, Soil, Vegetation and Water.
3.	Visual Analysis: Study of aerial photographs under pocket and mirror stereoscopes and interpretation of satellite images (Black & White and FCC images). Interpretation of satellite data products (visual image interpretation and digital image analysis). Handling Image Processing Software Packages like: ERDAS, ENVI etc. and Generation of thematic maps.
4.	Elements of Aerial Photo: Study of Stereo pairs of aerial Photos. Flight planning, Determination of scale and slope. Outlines of parallax measurement.

GIP 406: EARTH SCIENC (LAB H)	
Petrology	
1.	Megascopic study of common rock forming minerals.
2.	Identification of igneous, sedimentary and metamorphic rocks (hand specimen).
3.	Study of mega structures, textures and mineralogy of igneous rocks.
4.	Study of mega structures, textures and mineralogy of sedimentary rocks.
5.	Study of mega structures, textures and mineralogy of metamorphic rocks.

