

GEOL 5104. Structural Geology Practical (2 credits)

Preparation and interpretation of geological maps and sections. Structural problems. Recording and plotting of field data. Study of deformation structures in hand specimen. Study of dip isogons from fold profiles. Stereographic projection in structural analysis. Application of stereographic projection in solving structural problems. Beta diagram and Pi diagram. Solving problems of faults and shear zones.

References

- Park, R.G., (1989), Foundation of structural Geology. Blackie, 148p.
- Ragan, D.M. (1969), Structural Geology, Wiley, 2nd edition, 602p.
- Turner, E.J. and Weiss, L.E. (1963), Structural Analysis of Metamorphic Tectonites, Mc. Graw Hill, 545p.
- Ramsay, J.G. (1967) Folding and fracturing of rocks. Mc Graw Hill, 586p.