

AG-206: FIELDWORK II

(03 Credit hrs)

Prerequisite: AG-104

Learning Outcomes

This course is designed to physically observe the various types stratigraphic units, groups, igneous metamorphic textures and complexes, deformational fabric and structures in the field.

Course Contents

Guided geological excursion of about 10-12 days duration in the Salt Range, Hazara and northern Pakistan with covering following contents.

- Study of classical stratigraphic sections of Pakistan with reference to stratigraphic code of Pakistan.
- Study of Geomorphologic features and weathering effects.
- Study of field characters of common sedimentary, metamorphic and igneous rocks including color, texture, contact relationships etc and collection of samples.
- Visit to mineral based industry.
- Section measurements in a sedimentary terrain

Every student will maintain a field note book. He will carry out sampling, label them and make book entries. The note book will be presented at the time of Viva Voce examination, which should be properly signed by the concerned teacher/s in the field.

At the end of field excursion every student will write field report on the basis of field data and microscopic studies in the lab.

TEACHING – LEARNING STRATEGIES

- Lecture based examination
- Presentation/seminars
- Class discussion
- Quizzes

ASSIGNMENTS – TYPE AND NUMBER WITH CALENDAR

It is continuous assessment. The weightage of Assignments will be 25% before and after midterm assessment. It includes:

- classroom participation,
- attendance, assignments and presentation,
- homework
- attitude and behavior,
- hands-on-activities,
- short tests, quizzes etc.

ASSESSMENT AND EXAMINATIONS

Sr. No.	Elements	Weightage	Details
1.	Test/Quiz	35%	It takes place after the completion of Fieldwork.
2.	Field Report	25%	It will be submitted after one week of completion of fieldwork.
3.	Viva Voice	40%	It takes place at the end of the semester.

Books Recommended

1. Elements of field geology by Himus, G.W., Sweeting, G.S., Latest Ed., University Tutorial Press Ltd.
2. Field Geology by Lahee, F.H., 1961, McGraw Hill.
3. Geology and the field by Compton, R.R., 1985, John Wiley & Sons.