

**Four Years (Eight Semesters) Under-Graduate Programme  
In Geology (Choice Based Credit System)**

**SKILL ENHANCEMENT COURSES**

**Geological Field Work-I (Third Semester)**

**Course Code: GEOL (SEC) -1**  
**Course Name: Basic Field Training**  
**Credit: 3**

Orientation of Topographic sheet in field, marking location in toposheet, Bearing (Front and back). Concepts of map reading, Distance, height and pace approximation. Identification of rock types in field; structures and texture of rocks, Use of hand lens. Basic field measurement techniques: Bedding dip and strike, Litho-log measurement. Reading contours and topography.

**Geological Field Work-II (Fourth Semester)**

**Course Code: GEOL (SEC) -2 (i)**  
**Course Name: Precambrian Geology Field**  
**Credit: 3**

Field transect in any Precambrian terrain. Study of craton ensemble including basic intrusive suites. Precambrian sedimentary basin. Basement-Cover relation in old belts and sedimentary successions.

OR

**Course Code: GEOL (SEC) -2(ii)**  
**Course Name: Tertiary Geology Field**  
**Credit: 3**

Field training along Tertiary terrain. Documentation of stratigraphic details in the field. Collection of sedimentological, stratigraphic and structural details.

OR

**Course Code: GEOL (SEC) -2(iii)**  
**Course Name: Economic Geology Field**  
**Credit: 3**

**Module I**

Visit to any mineral deposit. Mode occurrence of ore and ore mineralogy. Ore formation process. Basic techniques of surveying, concept of outcrop mapping.

**Module 2**

Visit to underground or open cast mine. Practical experience of mining methods. Underground mapping/ Bench mapping.

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