

KAKCHING KHUNOU COLLEGE,
KAKCHING KHUNOU, UMATHEL,
KAKCHING DISTRICT,
MANIPUR - 795103



DEPARTMENT OF GEOLOGY

PROGRAM OUTCOMES

B.Sc. GEOLOGY

After successful completion of three years degree program in geology, a student should be able to:

- PO-1. Emphasize the importance of geology as the most important discipline for sustaining the existing industries and establishing new ones to create job opportunities at all levels of employment.
- PO-2. Expose the student to the vast scope of geosciences in the field of disaster management, watershed management, water pollution, oil exploration, mining, etc.
- PO-3. Apply the skills to the various fields like engineering, mountaineering and any other expeditions, etc.
- PO-4. Earn the knowledge of basic geological concept.
- PO-5. Learn and perform experiment in the labs to demonstrate which learn in the classroom.

COURSE OUTCOMES

SEMESTER -I

Subject code: GL-101

Subject name: General geology, Structural geology and Geomorphology

After completion of this course, students should be able to:

1. Earn the knowledge of various hypothesis of origin and evolution of Earth, its composition, age, etc.
2. Know the structure of rocks; fold, faults, joints and their uses.
3. Understand the landform of earth; get the idea of mitigation of environmental hazards- landslide, earthquake, floods, etc.

COURSE OUTCOMES

SEMESTER-II

Subject code: GL-202

Subject name: Descriptive mineralogy, optical mineralogy and geochemistry

After completion of this course, student should be able to:

1. Learn about minerals and its classification, physical, chemical and optical properties of some common minerals
2. Understand the optical properties of some common rock forming minerals by applying the knowledge of light.
3. Learn about crystals, crystal form and their formation, crystal growth theory, crystal system and classes.
4. Understand the relationship of geology and chemistry, and learn about the earth's composition and explain the mechanism behind major geological systems by using the principles of chemistry

COURSE OUTCOME

SEMESTER-III

Subject code: GL-303

Subject name: Petrology

After completion of this course, students should be able to learn:

1. Learn the details of igneous rock, its form, structure, texture, classification, formation and crystallisation. And also know about some common igneous rocks.
2. Learn about sedimentary rocks, its origin, sedimentary processes and deposition as well as composition, texture and primary structure, classification etc.
3. Get the knowledge of scope of metamorphic petrology, metamorphism, classification of metamorphic rocks, texture, structure, nomenclature and learn some common metamorphic rocks.

COURSE OUTCOME

SEMESTER-IV

Subject code: 404

Subject name: Palaeontology and Stratigraphy

1. Collect the knowledge of fossils, how to preserve fossils, how to collect and how to do preparation, classification. Understand the geological time scale. Get the idea of principles of stratigraphy, identification of stratigraphic contact, etc.
2. Learn the details of the morphology and distribution of the phylum like Brachiopoda, Mollusca, Gastropod, and Arthropoda. Gain the knowledge of application of palaeontology.
3. Get the knowledge of the stratigraphic term – Archean, Dharwar, Cuddapah, Vindhyan, Gondwana. Understand the supergroup of Indian Precambrian rocks. Know the element of facies concept in stratigraphy, etc.