

D.N.R.COLLEGE (AUTONOMOUS), BHIMAVARAM – 534 202
DEPARTMENT OF GEOLOGY

SYLLUBUS OF BRIDGE COURSE (Duration – 10hrs)

A Path to Geology

What is Geology? Why Study Geology? The Scientific Approach in Geology, Definition of Geology, Nature of Geology, The Place of Geology among Natural Sciences, Basic Assumptions of Geology.

Historical Perspectives in Geology:- (a) Foreign (b) Indian.

Modern Perspectives in Geology Relation of geology to other sciences.

Branches of Geology:

- A. Branches based on Subject Matter: (a) Physical (b) Historical
- B. Branches based on Application

Scope of Geology, The challenging task of the geologist, Tools of the Geologist, Geology as a Profession.

Geology and it's important to society.

Basic discussion on following topics like:

- Why are mountains and ocean basins?
- Why are there earthquakes and volcanoes, and can we predict them?
- Why does Earth have an oxygen-rich atmosphere why is there life on Earth, and how has it evolved over geologic time?
- How did the water and salts get in the ocean?
- How and why has climate changed over geologic time, and how is it likely to change in the future?
- How do mineral and energy resources form, why are they located in particular parts of the planet?
- What causes the major extinctions of life forms?
- How do humans impact the Earth?
