
B.Tech IV Year

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CE443 ENGINEERING GEOLOGY LAB**Course Description and Objective:**

To provide hands on experience on identification, methods to find properties of various geographical materials.

Course Outcomes:

- *Identify minerals and rocks*
 - *Measure strike and dip of the bedding planes*
 - *Interpret geological maps*
1. Physical Properties of Minerals
 2. Physical Properties of Rocks
 3. Identification of Minerals in Hand Specimen
 4. Identification of Rocks in Hand Specimen
 5. Identification of Geological features through wooden Models
 - a) Structural Geological Diagrams
 - b) Petrological Diagrams
 - c) Engineering Geological Diagrams
 6. Interpretation of Geological Map (10 Nos.)
 7. Study of Satellite Imageries
 8. Determination of Strike and Dip of formations
 9. Electrical Resistivity Method
 10. Seismic Hammer Sounding Method
 11. Study of Structural Models
 12. Study of Tunnel Models
 13. Study of Survey of India Topographical Maps

Note : A minimum of Eight (08 Nos) shall be done and recorded