

### **CVE 413: CONSTRUCTION ENGINEERING I (3 Units)**

Planning of construction operations, including scheduling (bar charts, CPM, PERT,etc). selection of construction equipment. Factors effecting equipment output, studies of tractor, excarvators, trucks etc. Introduction to various construction methods such as drilling, rock blasting and tunneling. Practical exercises including stacking out of buildings and roads. Site visits and report-writing on same are also included. Construction process management.