

CVE 573: GEOTECHNICAL ENGINEERING III (3 Units)

Further principles of site investigation to include boreholing of disturbed and undisturbed soil samples and for groundwater exploitation or exploration; soil reclamation, dewatering/groundwater lowering, shoring and underpinning. Tunneling practice. Elastic theories and soil deformation. Introduction to design of machine foundation. Review of recent development in geotechnical engineering practice to include the use of clay soil for containment of hazardous waste and in slurring trench cut off use of geotextiles and reinforced earth.