

Course syllabus

Department of Civil Engineering, Indian Institute of Technology Madras

CE6370 – Comp.methods in Geotech engg

Credit Distribution: C:9 L:3 T:0 P:0 E:0 O:6 TH:9

Course Type: Theory

Course Content: Finite difference methods to solution of static and dynamic problems in Geomechanics, seepage consolidation, forced vibration equations; wave propagation – pile drivability analysis; Computer aided analysis and design in Geotechnical Engineering. Soil structure interaction analysis of shallow and deep foundations and in earth retaining structures – 2 and 3 parameter models.

Text Books: NIL

Reference Books: NIL

Prerequisite: NIL