

Course Catalog - Spring 2010

Civil and Environmental Engineering

470 ***Structural Analysis*** credit: 4 hours.

Direct stiffness method of structural analysis; fundamentals and algorithms; numerical analysis of plane trusses, grids and frames; virtual work and energy principles; introduction to the finite element method for plane stress and plane strain. Credit is not given for both CEE 470 and ME 471. Prerequisite: CEE 360.