

**TO:** The Faculty of the College of Engineering  
**FROM:** The Faculty of the School of Civil Engineering  
**RE:** Delete Course CE 678

**Delete:** **CE 678 – Nonlinear Analysis in Structural Engineering**

Sem.1, Class 3, Cr. 3.

Prerequisite: CE 675. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Constitutive modeling of engineering materials in general and reinforced concrete materials in particular; computer implementation; finite element modeling of three-dimensional steel and reinforced concrete structures; nonlinear deformation and ultimate load analysis of plate and shell structures. Offered in alternate years.

**Reason:** The material provided in this course has been integrated into other graduate offerings.