Engineering Faculty Document No. 19-05
February 23, 2006

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 577 Course Description and Schedule

From: **CE 577 – Analysis of Plates and Shells**

Sem. 1, Class 3, Cr. 3.

Prerequisite: CE 270 and MA 262. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Kirchhoff plate bending theory, analytical solution of circular plates, classical solution of rectangular plates by Navier and Levy methods, and by numerical techniques of Rayleigh-Ritz, finite difference and finite element methods. Analytical solution of shells of revolution based on membrane and bending theories, and numerical solution by the finite element method.

To: **CE 577 – Analysis of Plates and Shells**

Sem. 1 or 2, Class 3, Cr. 3.

Prerequisite: CE 270 and MA 262. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Kirchhoff plates bending theory, classical solution of rectangular plates by Navier and Levy methods, and by approximate techniques of strip theory, Rayleigh-Ritz, finite difference and finite element methods. Special topics in plate analysis. Analytical solution of shells of revolution based on membrane and bending theories, and numerical solution by the finite element method.

Reason: To provide an updated course description and course offering schedule.