Engineering Faculty Document No. 26-05
February 24, 2006

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 671 Course Description and Schedule

From: **CE 671 – Behavior of Metal Structures**

Sem. 1, Class 3, Cr. 3.

Prerequisite: CE 591. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Study of the behavior of metal structural components and metal structural systems. The performance of civil engineering type metal structures in various loading environments is examined, and correlations between behavioral characteristics and various design specification requirements are reviewed. Primary emphasis is placed on the behavior of steel structures, although other metal systems also are discussed. Course material is augmented with a number of case studies. Professor Bowman.

To: **CE 671 – Behavior of Metal Structures**
Sem. 1 or 2, Class 3, Cr. 3.

Prerequisite: CE 591. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Study of the behavior of metal structural components and metal structural systems. The performance of civil engineering type metal structures in various loading environments is examined, and correlations between behavioral characteristics and various design specification requirements are reviewed. Primary emphasis is placed on the behavior of steel structures, although other metal systems also are discussed. Specific topics include material behavior, manufacturing processes, fatigue and fracture, bolting and welding procedures, and repair and retrofit techniques. Course material is augmented with a number of case studies.

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