

December 6, 2005

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TO: Engineering Faculty
FROM: The Faculty of the School of Civil Engineering
RE: Changes in Undergraduate Level Course CE 456

The faculty of the School of Civil Engineering has approved the following changes in the title and description of an undergraduate level course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: **CE 456 Wastewater Treatment**
Sem. 1. Class 3, cr. 3
Prerequisites: C E 352, C E 353. Authorized equivalent courses or consent of instructor may be used in satisfying course pre-requisites.

Fundamental concepts and design procedures for the treatment of municipal and industrial wastewaters. Problem assessment; determination of effluent quality, preliminary treatment; biological, physical, and chemical treatment methods; and utilization and disposal of residues. Field trips required.

To: **CE 456 Water and Wastewater Treatment**
Sem. 1. Class 3, cr. 3
Prerequisites: C E 352, C E 353. Authorized equivalent courses or consent of instructor may be used in satisfying course pre-requisites.

Fundamental concepts and design procedures for the treatment of municipal and industrial water and wastewaters. Problem assessment; determination of water and wastewater characteristics, biological, physical, and chemical treatment methods, process design, and disposal of residues.

Reason: The proposed changes in the title and description reflect a broader coverage of the topic. Inclusion of water treatment in this course is needed to better prepare our undergraduate engineering students for civil engineering practice.

M. Kathy Banks
Professor and Head