

TO: The Faculty of the College of Engineering

FROM: The School of Civil Engineering

RE Changes in Graduate Level Course CE 55400 prerequisite and credits

The Faculty of the School of Civil Engineering has approved the change in description of the course listed below. This action is now submitted to the Engineering Faculty with recommendation for approval.

FROM: **CE 55400: Aquatic Chemistry in Environmental Engineering**

Sem. 1. Class 3, lab 1, cr. 4. Corequisite: CHM 257 or equivalent.

Principles of physical, quantitative, organic, and inorganic chemistry applied to the analysis and distribution of the chemical composition of natural waters and engineered water systems. Lecture and laboratory topics include acid/base, complexation, precipitation/dissolution, sorption, and redox reactions. Laboratory procedures include routine and advanced analytical techniques.

TO: **CE 55400: Aquatic Chemistry in Environmental Engineering**

Sem. 1. Class 3, cr.3. Prerequisite: CHM 116 or equivalent

Principles of physical, quantitative, organic, and inorganic chemistry applied to the analysis and distribution of the chemical composition of natural waters and engineered water systems. Lecture topics include acid/base, complexation, precipitation/dissolution, sorption, and redox reactions.

REASON: The content of the laboratory course (1 credit) will be included in a separate laboratory-only course. This allows students greater flexibility in planning their studies and scheduling/enrolling for courses each semester. The course emphasizes inorganic chemicals in water, eliminating the organic chemistry co-requisite

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