

**TO:** The Faculty of the College of Engineering

**FROM:** The School of Agricultural and Biological Engineering

**RE:** Change to Existing ABE 32500, Soil and Water Resource Engineering pre-requisites.

The Faculty of the School of Agricultural and Biological Engineering have approved the following changes to an existing course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**From: ABE 32500 – Soil and Water Resource Engineering**

Sem Fall and Spring, Cr 3, Lecture 3

Prerequisites: AGRY 25500 [may be taken concurrently] AND (ME 30900 OR (CE 34000 AND CE 34300)) [may be taken concurrently]

Description: Interrelationships of the plant-water-air-soil system; hydrologic processes; protection of surface and ground water quality; GIS targeting of soil and water protection measures; and design of subsurface and overland drainage systems, irrigation systems, and soil erosion control practices.


**To: ABE 32500 – Soil and Water Resource Engineering**

Sem Fall and Spring, Cr 3, Lecture 3

Prerequisites: AGRY 25500 [may be taken concurrently] AND (MA 26200 OR (MA 26500 AND MA 26600))

Description: Interrelationships of the plant-water-air-soil system; hydrologic processes; protection of surface and ground water quality; GIS targeting of soil and water protection measures; and design of subsurface and overland drainage systems, irrigation systems, and soil erosion control practices.

**Reason:** Current co-requisite of (ME 30900 OR (CE 34000 AND CE 34300)) is often being waived for students who get behind in the required sequence of prerequisites. This results in too many students taking this class as seniors while in capstone design. This circumvents this course's purpose of being the first design course in the AE curriculum. Additionally, students coming through the adjusted Biological Engineering curriculum will not meet this prerequisite. ABE faculty agreed that differential equations was the minimum common requirement for both programs, and that it is sufficient for student success in ABE 32500.



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