

TO: Engineering Faculty

FROM: The Faculty of Agricultural and Biological Engineering

RE: Change in Semester Offering for ABE 320

The faculty of the Department of Agricultural and Biological Engineering has approved the following course change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

ABE 320 – Solid Modeling, Simulation, and Analysis

From: Sem. 1, class 1, lab 4, cr. 3

Prerequisite(s): NUCL 273, MA 262; Corequisite: M E 274.

To: Sem. 2, class 1, lab 4, cr. 3

Prerequisite(s): NUCL 273, MA 262; Corequisite: M E 274.

Introduction to parametric, feature-based solid modeling; dimensioned 2D and 3D engineering drawings; tolerancing; mechanical dynamic simulation; kinematic models, analysis and simulation of simple linkages and complex systems; mechanism design and evaluation; visualization and animation of results; interfacing of computer aided engineering software. Projects involving industrial parts and assemblies will be discussed and assigned.

Reason: By changing semesters, the course fits in student's plan of study in better sequence in accordance with other courses required.

Bernie A. Engel

Interim Head, Department of Agricultural and Biological Engineering