

ANNOUNCEMENT

Change in the Curriculum

June 8, 2004

The curriculum is undergoing a change – you may have noticed the two new courses in the Spring 2005 schedule. The changes are aimed at preparing students better for the demands of a civil engineering career.

CE 31600 Civil Engineering Decision and Systems Analysis is being added to the core.

The goal of the course is to teach students the basic methods of engineering economic analysis and systems optimization, and their connection to design as optimal decision-making.

The course description is:

Civil Engineering Systems Analysis. Modeling and optimization of large scale CE systems, including structures, hydraulic environmental and transportation systems, and construction projects. Economic evaluation of engineering projects. Decisions under uncertainty. Design as multi-dimensional resource allocation. Scheduling models. Applications to management and planning. Computer applications. Prereqs: CE 26400, 33500, Math 39200. 3 hr./wk; 3 cr.

And

CE 40500 Civil Engineering Management is also being added to the core.

The goal is to teach students the role and responsibilities of civil engineers, and provide them with the tools necessary to manage the design, construction and maintenance of civil engineering projects.

The course description is:

Introduction to civil engineering management; project life cycle analysis. Development of a project team for effective delivery; project delivery roles. Roles, rights and obligations of civil engineers. Ethical, and professional responsibilities of civil engineers. Project costs and financing. Project administration; change orders, claims and dispute resolution. Group project. Prereqs: CE 34000, CE 31600. 3 hr./wk; 3 cr.

To make room for these new courses ENGR 10200, ENGR 27600, and CE 39100 are being removed. The two courses will cover much of the material currently in ENGR 27600 and CE 39100.

Students who are part way through the old curriculum should talk to their advisor about how this will affect their program.