

Land Development Design Initiative

CHARGE FOR THE CURRICULUM & COURSE ENHANCEMENT COMMITTEE June 16, 2006

The major objective of Curriculum & Course Enhancement Committee is to develop a strong LDD curriculum and coursework as well as student help materials that prepares students for the land development design profession. Major tasks are listed below.

- **Curriculum Evaluation**
 - Evaluate Graduation Check Sheet for General Civil Engineering Track (8/17/05) for Students Graduating in 2008 and select existing CEE technical electives to best meet committee objective.
 - Review land development design curricula at other universities, for ideas and possible applications. Penn State and George Mason Universities have land development design track or emphasis.
 - Develop Curricular recommendations including a Land Development Design “track”
- **Course Design**
 - Examine existing Course CEE 4274 Land Development Design.
 - Review syllabi of existing required CEE courses for application of existing or future land development design applications and problems.
 - Explore future possibility of adding a second land development design course in spring of the senior year. Develop detailed course description and methods to accomplish in near-term and long-term future.
 - Explore the possibility of developing a special study class that is taught by the industry professionals and develop a course description, outline and syllabus which would identify the topics to be covered and obtain a commitment for the actual speakers. This class would be held in the evening and would cover the land development design process.
 - Explore the possibility of developing a special study class that would consist of a series of weekend retreats, held locally, and funded by industry to cover specific topics in land development. This could be a junior level introductory course.
 - Develop a pool of learning resources (sample design calculations & spreadsheets, Autodesk tutorial materials) from practicing firms
- **Student Help Materials**
 - Develop handout information for land development design students that recommend CEE electives and possible electives from other departments.
 - Work with the Practitioner Involvement Committee to develop brochure that describes the land development design field to CEE students
- **Budgetary Impacts**
 - Identify budget impacts that may require additional resources from CEE Department, in order to implement land development design initiatives.