

Course Catalog - Spring 2010

Civil and Environmental Engineering

201 ***Systems Engrg & Economics*** credit: 3 hours.

Introduction to the formulation and solution of civil engineering problems. Major topics: engineering economy, mathematical modeling, and optimization. Application of techniques, including classical optimization, linear and nonlinear programming, network theory, critical path methods, simulation, decision theory, and dynamic programming to a variety of civil engineering problems. Credit is not given for both CEE 201 and either GE 330 or IE 310. Prerequisite: MATH 231; credit or concurrent registration in MATH 225.