TEXT: None

OBJECTIVES: To show how engineers convey the necessary design information, design drawings, and specifications for construction purposes in the CADD environment. To demonstrate techniques and skills associated with developing and understanding design drawings and construction plans. To provide a comprehensive introduction to civil engineering drawings.

CATALOG DESCRIPTION: A study of civil engineering drawings and their relationship to engineering design in the CADD environment. Emphasis is on the skills associated with developing and understanding design drawings, including construction plans and related documents, for engineering design. Prerequisite: CE 263 or concurrent enrollment

GRADING:  90% Laboratory (detailed information will be provided in Lab)
          10% Lectures

GRADING:  90 % - 100 % = A
         80 % -  89 % = B
         70 % -  79 % = C
         60 % -  69 % = D
         0 % -  59 % = F

LECTURE SECTION SCHEDULE: Week of:

   8/22    Introduction to Engineering Plans
   8/29    Types of plans
   9/05    Plan Sections, Labor Day Holiday
9/12  General Notes, Schedules, and Typical Details
9/19  General Notes, Schedules, and Typical Details
9/26  Site Plans
10/03 Site Plans
10/10 Plan drawings, Profile drawings, Plan and profile drawings, Fall Break
10/17 Cross Sections and Typical Sections
10/24 Structural Drawings
10/31 Structural Drawings
11/07 Structural Drawings, Veteran’s Day Holiday
11/14 Specifications
11/21 Thanksgiving Holidays
11/28 Building Information Modeling
12/05 Building Information Modeling
12/12 Final Exam week