COURSE SYLLABUS (2 Page)

Course Number: CEGR 2101
Course Name: Civil Engineering Drawing

Credits and Contact Hours: 2

Instructor: David Naylor

Textbook: 
Title: Introduction to AUTOCAD 2015 for Civil Engineering Applications
Authors: Yasmin
Year: 2015

Other Supplemental Materials: Handouts

Catalog Description: Introduction to engineering drawing in the environmental, geotechnical, transportation, and structural sub-disciplines of civil engineering, including sketching, principles of Mechanical drawing, and computer aided drawing (CAD). CAD utilizes the MOSAIC computing environment. One hour of lecture and one laboratory period of three hours each week.

Most Recently Offered (Day): Spring 2016, Fall 2015, Summer 2015
Most Recently Offered (Evening): Course has not been offered in 3 years

Pre-Requisites/Co-Requisites: None

Course is: Required (R)

Goals: Each student will have the opportunity to learn about hand, instrument and computer drawing techniques. They will also learn graphics theory and about standards and conventions in modern engineering drawing practices.

Student Outcomes Addressed:
In this course, students will develop the following Student Outcomes:

K. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

Course Topics:
This class will focus on the following topics using both hand and computer drawing techniques and tools (AutoCAD Civil 3D): prepare isometric and multi-view sketches, sectional views and perspective projections; engineering and architectural scaling, and engineering dimensioning;