ENGR245
Engineering Graphics Civil

Instructor: Ric Costin **Office**: IA-237 B
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Office Hours: By Appointment or Drop in

Course Goals and Outcomes:

Students will gain a basic understanding of 2-D drafting using AutoCAD as it applies to Civil Engineering. Students will learn to produce drawings using proper techniques, symbols, nomenclature and styles. Students will gain a sense of work ethic and time management skills by producing technical drawings within set time frames and will identify and demonstrate competency, while producing technical drawings to industry specific standards.

Text and supplies
A computer or laptop with AutoCAD installed is required. Zoom will be used for online instruction.
There is no text for this class. All material will be posted on Moodle. Make sure you can log on. A USB is optional.

Evaluation:
A: 100 ~ 90%
B: 89 ~ 80%
C: 79 ~ 70%
D: 69 ~ 60%
F: 59% or below
Incomplete: By signed agreement, student requested. All coursework to be made up within a term.
Y: Not enough coursework completed to warrant grading.

Success in this program is easily attainable through the following:
All homework is due as listed in Moodle. Late homework is not accepted without prior approval.Please do not get behind. This class moves quickly. Do not hesitate to contact me if you have any questions or concerns.
All homework is unique and original work created by the person named on the drawing for whom the homework is being turned in by. No part of the homework, except group projects, shall be copied, duplicated, shared or in any way represent work done by someone else. AutoCAD leaves a digital signature on work that is drawn so please do not attempt to exchange work. A zero will be given to all parties involved.

Lab Policies and Procedures

Due to the fact that this is now an online class there is not reason to access the lab computers at this time.

Course Outline (Note: This may change and is not all inclusive)

Week 1: Coordinates, lines, and Circles
Week 2: Arcs, Trim, Extend, Fillets, Layers, Editing
Week 3: Architectural Elements, Hatch, Dimensions
Week 4: Structural CAD
Week 5: Structural CAD, Viewports & Details
Week 6: Civil Basics
Week 7 : Civil CAD
Week 8: Civil CAD
Week 9: Civil CAD
Week 10: Civil CAD
Week 11: Final (TBA)