

CENTRALIA COLLEGE
ENGR 111 · ENGINEERING GRAPHICS I · WINTER 2008

Instructor: Scott Carlson, P.E.
Office Location: None
Class Days and Times: 5:30 PM – 7:20 PM Tuesday and Thursday
Class Location: WAH 212 / TEC 155 (January 3, 8, 10, 15)
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Home Phone: (360) 273-6085
Office Hours: None

Course Objectives:

Upon completion the successful student will have demonstrated the following skills:

Hand Drafting:

1. Construct letters and numerals in a legible free-hand form.
2. Construct drawings using orthographic projection methods.
3. Provide dimensions and notes using the proper drafting standards.
4. Draw oblique and isometric pictorials.
5. Draw and identify the various types of section and auxiliary views.
6. Interpret engineering blueprints and drawings

Computer Aided Drafting:

1. Familiarity with basic AutoCAD commands that enable a user to create and modify a drawing.
2. Construct drawings using orthographic projection in an AutoCAD drawing.
3. Place dimensions and text in an AutoCAD drawing.
4. Familiarity with basic AutoCAD file management and timesaving skills.
5. Have a basic understanding of the AutoCAD interface with the internet.

Course Materials

The following are required materials for the course.

Textbook

AutoCAD 2007 INSTRUCTOR, by James A. Leach, copyright 2007,
(ISBN-10-0-07-331274-6, ISBN-13978-00-07-331274-3)

Storage Media

100MB portable storage media (portable hard drive, zip disk, memory stick)

Hand drafting materials:

- Triangles: one six-inch, 45 degree and one ten-inch 30 by 60 degree
- Circle Template: 1/16th inch to 1 3/8 inch diameter
- Scales: one mechanical draftsman's scale and one six-inch metric/English scale
- Curve Template: one irregular curve template (French curve)
- Compass: one six-inch compass
- Pencil: mechanical pencil with 0.5 or 0.7 mm H or HB lead
- Eraser: white Staedtler type or similar

Course Materials Continued

Hand drafting materials continued:

- Eraser Shield: one small eraser shield
- Drafting Brush: one small drafting brush
- Drafting Tape: one small roll of drafting tape
- Drafting Paper

Grading Policy

Students will be evaluated on the above objectives through graded drafting projects, weekly skill quizzes, a mid-term exam and a final exam. Final and cumulative grades will be determined on the basis of points achieved versus points available according to the following scale.

Point Percent Achieved	Point System Grade	Letter Grade
93-100	3.9 - 4.0	A
89-92	3.5 - 3.8	A-
83-88	3.2 - 3.4	B+
80-82	2.9 - 3.1	B
76-79	2.5 - 2.8	B-
73-75	2.2 - 2.4	C+
70-72	1.9 - 2.1	C
66-69	1.5 - 1.8	C-
63-65	1.2 - 1.4	D+
60-62	0.9 - 1.1	D
56-59	0.7 - 0.8	D-
0-55	0.0	F

Additional Considerations

All students should review the Centralia College Catalog and understand college policies and resources, including rights and responsibilities of students regarding attendance, punctuality, and classroom behavior.

Academic dishonesty will not be tolerated. Any work that has been plagiarized will receive a zero and will be forwarded on to the Vice President of Students for further academic disciplinary action. This may include a 0.0 for the entire course.

Since I do not maintain an office on campus and will not have regular office hours please see me after class, send an email or call me with any questions.

Students with disabilities may contact the Director of Special Services to determine their eligibility for reasonable accommodation. The director's office is located with the the Counseling Center in the Student Services Building.

Centralia College provides equal opportunity in education and does not discriminate on the basis of race, gender, color, religion, national origin, age, marital status, sexual orientation, or disability.

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