## COURSE OUTLINE

<table>
<thead>
<tr>
<th>COURSE:</th>
<th>PREFIX NO.</th>
<th>EFFECTIVE DATE</th>
<th>NEXT REVIEW DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG T110</td>
<td>January 2011</td>
<td>January 2012</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TITLE:</th>
<th>CREDITS</th>
<th>CONTACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Graphics I</td>
<td>4</td>
<td>3 3 4</td>
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**PREREQUISITES:** EGT 106 recommended, but not required

**DESCRIPTION:** This is an introductory course in Engineering Graphics Science, which includes beginning drawing techniques and development of skills to produce basic technical drawings.

Proper uses of drafting instruments, common view arrangements, and sectioning using correct drafting practices are emphasized.

**TEXTBOOK(S) OR ALTERNATIVE:** Graphics Technology by James H. Earle. 2nd edition.

**MATERIALS** (specifying those to be purchased by student):

- Drafting tape
- Architect's scale
- Lead pointer
- Dry-cleaning pad
- Erasing shield
- Lead pointer-sandpaper
- 30-60-90 triangle
- 45-45-90 triangle
- Lead holder - 2
- Ames lettering guide
- 4" bow compass
- Leads - 2H and 5H
- Eraser
- Protractor

**COLLATERAL READING:**

**CLASS MANAGEMENT ACTIVITIES** (Attendance, tardies, testing, etc.):

A. **Academic Honesty:** During a test, as well as on any written assignment, paper, or project, anyone determined to be exchanging information or copying someone else's work will be given a grade of "F" on that work and face further disciplinary action. Please refer to the "Student Code Book" on "Academic Dishonesty" section, pp. 9-10.

B. No more than 10% (9 hours for a typical semester) of the scheduled class hours may be missed; attendance will be kept "by the hour", including any tardiness or early leaving.

1) Students are expected to be in class on time and ready to start working.

2) Students are to remain working until the end of the class period. No student should leave class early without the
permission of the instructor.

3) There are no excused absences except those verified by other instructors for field trips or school related activities.

4) A student with a doctor’s excuse will be able to make up missed work, but the absence will still count toward the maximum number of absences allowed.

CLASS MANAGEMENT ACTIVITIES: (continued)

5) A student is tardy if he/she arrives for class after the instructor has checked the class roll. Three tardies will count as one absence for day students. Time missed for night students will be accumulated until an even hour has been missed. Students should strive to get to class on time each day.

C. The required drawings will be done in class.

D. The use by students of lockable drawers in drafting tables of the Engineering Graphics lab will generally follow Procedure 4.2.23. This procedure points out, among other things, that:

1) A drawer is assigned to a student for the length of the enrollment (i.e., one term). The key is to be returned at the end of the term; the drawer may be re-assigned at the next term.

2) Only EGT class materials may be stored. Illegal items are expressly forbidden and an inspection may be made at any time following Procedure 4.2.23.

3) No grade will be assigned to a student until the key has been returned.

4) The class instructor will maintain a list of what keys are assigned to which students.

E. No food, drink or cell phones are permitted in the classroom.

F. Grading will be based on the instructor's evaluation of assigned drawings (line weights, neatness, dimensions, construction, lettering) - 90%; and on class work (diligence, effort, attendance) - 10%.
G. Minimum 34 drawings.

H. All drawings assigned must be completed or will receive a grade of “0” for incomplete drawings.

I. It is mandatory that every student wear his or her student ID at all times when on the Cheraw campus. During the first week of classes, the instructor will issue a reminder to wear the ID. This reminder is a warning. After the first week of classes, instructors are required to dismiss students without ID from class. The student may get his/her ID (or a new one in Student Services for $3.00) and return to class before the midpoint of the class. If the student cannot get an ID and return to class by the midpoint, the instructor will record the absence.

DISABILITIES STATEMENT:
Students with disabilities are encouraged to contact the Vice President for Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See College Catalog)

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.

Drawing assignments:

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TEXT DRAWING</th>
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<tbody>
<tr>
<td>1</td>
<td>Draw assigned handouts 1-AH and 1-AV Page 38</td>
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<tr>
<td>2-4</td>
<td>Draw sheets 1-6 on pages 62-64 Draw figures 5.45, 5.46, 5.49</td>
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<tr>
<td>5-6</td>
<td>6.41 2 per sheet (grid paper) 12 total 6.42, 6.43 (4) assigned problems</td>
</tr>
<tr>
<td>7</td>
<td>Chapter 7 (Read very carefully) Draw figure 7.61 (Add missing lines and views) Draw figure 7.64 (Add missing lines and views) Draw Figure 7.65 (Add missing lines and views)</td>
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<tr>
<td>8-14</td>
<td>Chapter 9 (Read very carefully)</td>
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Draw figures 9.45 (3) assigned by instructor Page 145 and Dimension

15 Draw assigned problems from pages 146-147

OBJECTIVES OF COURSE:
1. Demonstrate proper usage of drawing instruments.
2. Demonstrate competence with the basic principles and practices used in industrial mechanical drafting.
3. Demonstrate acceptable lettering.
4. Prepare orthogonal multiviews as assigned.

EVALUATIVE METHODS TO APPRAISE OBJECTIVES:
Instructor’s evaluation of drawings - 90%
Class work (diligence, effort, attendance) - 10%

GRADING SCALE:
100 - 90 = A
89 - 80 = B
79 - 70 = C
69 - 60 = D
BELOW 60 = F