

PRINT READING

Revised 01/04/12

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COURSE NUMBER: EGT 104

PREREQUISITE(S): None

CO-REQUISITE(S): None

COURSE DESCRIPTIONS This course covers the interpretation of industrial drawings.

TEXTBOOK(S): Schultz, Russ and Smith, Larry
Blueprint Reading for the Machine Trades. 7th Ed.
Pearson/Prentice Hall, 2008

REFERENCE(S): None

OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT: Scientific Calculator (TI-30XA)
6" scale

METHOD OF INSTRUCTION: The course is taught by lecture, whiteboard demonstration, media cart visuals, and individual student assignments.

GRADING SYSTEM:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
60	-	69	=	D
Below	-	60	=	F

GRADE CALCULATION METHOD:

Print Interpretations	=	20%
Tests	=	40%
Final Exam	=	20%
Participation	=	<u>20%</u>
		100%

ATTENDANCE The student is responsible for punctual and regular

POLICY:

attendance in all classes, laboratories, clinical, practical, internships, field trips, and other required class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. When illness or other emergencies occur, the student is responsible for notifying instructors and completing missed work if approved for late submission by instructors.

Students who miss an assignment, test, or exam due to an absence will be responsible for completing all work prior to the next scheduled class period or a zero will be issued for that grade, unless a prior arrangement has been made with the instructor.

The student is tardy if not in class at the time the class is scheduled to begin and is admitted to class at the discretion of the instructor.

A class participation grade consisting of attendance and punctuality will be 20% of the final grade for the class. Each absence will reduce this grade by 5%; two tardies will also equal one absence.

Instructors maintain attendance records. However, it is the student's responsibility to withdraw from a course. A student enrolling in and attending at least one course session remains enrolled until the student initiates a withdrawal.

Withdrawal Policy: During the first 75% of the course, a student may initiate withdrawal and receive a grade of W. A student cannot initiate a withdrawal during the last 25% of the course. Extenuating circumstances require documentation and approval by the appropriate department head and academic dean.

Absences for Religious Holidays: Students who are absent from class in order to observe religious holidays are responsible for the content of any activities missed and for the completion of assignments occurring during the period of absence. Students who anticipate their observance of religious holidays will cause them to be absent from class and do not wish such absences to penalize their status in class should adhere to the following guidelines:

1. Observance of religious holidays resulting in three or

fewer consecutive absences: Discuss the situation with the instructor and provide written notice at least one week prior to the absence(s). Develop (in writing) and instructor-approved plan which outlines the make up of activities and assignments.

2. Observances of religious holidays resulting in four or more consecutive absences: Discuss the situation with the instructor and provide the instructor with written notice within the first 10 days of the academic term. Develop an instructor-approved plan with outlines the make up of activities and assignments.

ACADEMIC CONDUCT:

ACADEMIC DISHONESTY: Students are expected to uphold the integrity of the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook.

CELLULAR PHONES AND PAGERS/BEEPERS: Cellular phones, pagers and beepers are not permitted to be turned on or used within the classroom. Use of these devices during classroom time will be considered a violation of the student code as it relates to “disruptive behavior.”

CLASS/LAB PROCEDURES:

1. Attendance and assignments are students' responsibility. Work not turned in will receive a grade of zero (no points).
2. Tests missed: Make –up tests will be given at the instructor's discretion.
3. Exam: This score will be worth 20% of the final grade.
4. Do your own work. See student handbook on academic dishonesty.
5. No eating, or tobacco usage in classroom.

ACCOMMODATIONS:

Inclement Weather Schedule:

- Check SCC Web Site: www.sccsc.edu
- Tune to **Channel-7** Local T.V. Station (CBS)
- Tune to an FM/AM Local radio station

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services by calling (864) 592-4818, toll-free 1-800-922-3679; via email through the SCC web site at www.sccsc.edu/resources/disabilities; or by visiting the office located in the East Building Room 30-B on the SCC Central campus. Contacting Student Disability Services early in the semester gives the College an opportunity to provide necessary support services and appropriate accommodations.

**COURSE
COMPETENCIES &
OBJECTIVES:**

Upon satisfactory completion of this course, the student will be able to:

- I. Identify and explain the use of various lines on shop drawings.
 1. Explain hidden lines.
 2. Explain the use of object lines.

- II. Identify, explain, and interpret one-, two-, and three-view drawings and auxiliary views.
 1. Explain the use of front plane projection view.
 2. Interpret auxiliary view to explain the shape of an object.

- III. Interpret (make calculations and solve problems) and explain various dimensions, tolerances, screw threads, and notes used in shop drawings.
 1. Describe how to calculate thread depths.
 2. Make the calculation of tapers.

- IV. Explain and interpret (make calculations and solve problems) shop drawings which utilize the SI Metric System.
 1. Explain metric units for linear measurement.
 2. Use metric unit to interpret surface roughness.

- V. Interpret section views and other complicated shop drawings.
 1. Explain cutting plane line.
 2. Interpret types of section views.