

COURSE: ENGINEERING 2 (ENGR. GRAPHICS) SEMESTER: SPR 2000

INSTRUCTOR: C. L. Glaves  
OFFICE: FEM-4D  
PHONE: 638-3641 ext. 3215

OFFICE HOURS: T 10:00 - 10:50 AM  
T 11:00 - 11:50 AM  
F 10:00 - 10:50 AM  
or by appointment

TEXT: 1. Engineering Design Graphics, Ninth Ed., James H. Earle  
2. Design Graphics 1, With Computer Graphics, James H. Earle

OBJECTIVES: The purpose of this course is to teach the student the principles of orthographic projection, pictorial representation, dimensioning, and descriptive geometry as applied to engineering design problems. The student will become proficient at manual sketching and Computer Aided Drawing.

GRADING: Assigned plates and computer drawings - 50 %  
Exams (4) - 50 %

Scale: 89% A  
77% B  
65% C  
50% D

ATTENDANCE: In accordance with RC policy, attendance is mandatory. A student may be dropped if more than two weeks of absences have been accrued unless special arrangements have been made. Course withdrawals, however, are ultimately the responsibility of the student.

DROP DATE: Friday, March 10 is the last day to withdraw from this class and not receive a letter grade.

HOLIDAYS: Monday, Jan. 17, Martin Luther King Day  
Friday, Feb. 17, Lincoln's Birthday  
Monday, Feb. 21, Washington's Birthday  
M --> F, Apr. 17 - Apr. 21, Spring Recess

FINAL: Monday, May 15, 1:00 - 3:00 PM

## OUTLINE

Scale drawings	Ch 10
Geometric construction	Ch 12
Ortho. and isometric sketching	Ch 13
Orthographic Drawing	Ch 14

### ----- TEST 1 -----

Auxiliary Views	Ch 15
Sections	Ch 16
Dimensioning	Ch 20

### ----- TEST 2 -----

Tolerances	Ch 21
Pictorials	Ch 25
Points, lines, planes	Ch 26

### ----- TEST 3 -----

Auxiliary views (primary)	Ch 27
Auxiliary views (successive)	Ch 28
Intersections and developments	Ch 31
Three-dimensional CAD drawings	

### ----- TEST 4 -----

(Note that computer graphics topics are integrated throughout the course)