

SPRING 2004
ME 135 ENGINEERING GRAPHICS AND COMMUNICATION
TR 14:00 P.M. - 15:15 P.M.

INSTRUCTOR:

Dr. Jan Gou

Office hours: TR, 9:30 a.m. - 12:00 a.m., also by appointment

COURSE WEBSITE:

<http://www.southalabama.edu/engineering/mechanical/faculty/gou/course/course.htm>

PREREQUISITE:

MA 112 Precalculus Algebra; MA 113 Precalculus Trigonometry, or

MA 115 Precalculus Algebra and Trigonometry

TEXTBOOK

Engineering Design Graphics, by James H. Earle, 11th Edition, Prentice Hall.

BULLETIN DATA

Graphical representation of objects, orthographic, oblique and isometric views, freehand lettering and sketching, computer aided graphics, presentation of graphs based on numerical data using spreadsheet, word processor and presentation software.

COURSE OBJETIVES

1. Freehand lettering, 2D and 3D sketching of various shapes, basic dimensioning.
2. Apply AutoCAD to make orthographic drawings of various shapes, apply cross sectioning techniques, perform basic dimensioning, and make isometric and oblique pictorials.
3. Apply Microsoft Excel to generate graphs from numerical data and fit equations to data using regression and optimization techniques.
4. Apply Microsoft Word to generate reports including equations, drawings and graphs.
5. Apply Microsoft Powerpoint to develop an engineering presentation including drawings, graphs, equations and text.

TOPICS COVERED

Orthographic Projection

Dimensioning

Isometric Drawing & Oblique Drawing

Spreadsheet Graphics

Word Processor Graphics

GRADING POLICY

Class Attendance	5%
Quizzes	10%
Drawing Plates	30%
Term Exams	30%
Final Exam	25%
Total	100%

COURSE GRADE: A (90-100); B (80-89); C (70-79); D (60-69); F (<60)

FINAL EXAM: 13:00 p.m.- 15:00 p.m., Tuesday, May 4, 2004

CLASSROOM POLICY

1. Homework assignments will be announced in class and they are due at the beginning of the class period on the due day. If homework assignments are late, points will be deducted. Each day an assignment is late 20% will be taken off.
2. There will be three exams plus a comprehensive final exam. All examinations missed due to illness or emergency require a written, verified excuse or a grade of zero will be assigned.
3. Class attendance is necessary for satisfactory performance. It is student's responsibility to find out about all the assignments and announcements made in class. The student is held responsible for all missed work and classroom information. Class roll will be taken at the beginning of the term to ensure that students are attending the correct class. Class rolls will not be taken each time, but may be taken at any time to identify absentees. Excessive absences are grounds for failure.
4. Cheating and plagiarism are serious academic matters and they will be handled by the following policy and by the University policy. A grade of zero is assigned for the entire assignment. For example, zero is assigned for the entire test and not for individual parts of the test. Automatic failure of the course can result from a zero grade on an individual assignment. The case will be reported to the Dean of Students for disciplinary action.
5. In accordance with Americans Disabilities Act, students with bona fide disabilities will be afforded reasonable accommodation. The office of Special Student Services will certify a disability and advise faculty members of reasonable accommodations. If you have a specific disability that qualifies you for academic accommodations, please notify your instructor and provide certification from Disability Services (Office of Special Students Services). The Office of Special student Services is directed by Ms. Bernita Pulmas and is located in the Student Center, Room 270, Phone 460-7212.
6. Since all classes do not progress at the same rate, the instructor may wish to modify the syllabus requirements or their timing as circumstances dictate. For example, the instructor may wish to change the number and frequency of exams, or the number and sequence of assignments. If such a modification is warranted, students will be given adequate notification in writing.

ME135 ENGINEERING GRAPHICS AND COMMUNICATION - SPRING 2004

Dr. Jan Gou

	DATE			TOPICS	PLATES
1	Tue	13	Jan	Introduction	
2	Thu	15		Title Block & Borders	0
3	Tue	20		AutoCAD & OP	1, 2
4	Thu	22		Geometric Construction - Chapter 12	3, 4
5	Tue	27			3, 4
6	Thu	29		Multiview Dwg - Chapter 13 & 14	5, 6
7	Tue	3	Feb		5, 6
8	Thu	5			7, 8
9	Tue	10			7, 8
10	Thu	12		Sectional Views - Chapter 16	9, 10
11	Tue	17			9, 10
12	Thu	19		Dimensioning - Chapter 20	11, 12
13	Tue	24		Madi Gras Holiday	
14	Thu	26			11, 12
15	Tue	2	Mar		Exam I
16	Thu	4		Isometric - Chapter 13 & 15	13, 14
17	Tue	9			13, 14
18	Thu	11		Oblique - Chapter 13 & 15	15, 16
19	Tue	16		Spring Break	
20	Thu	18		Spring Break	
21	Tue	23			15, 16
22	Thu	25		Auxiliary Views - Chapter 27 & 28	17, 18
23	Tue	30		TL - Line	17, 18
24	Thu	1	April		Exam II
25	Tue	6		TL & Point Views - Chapter 27 & 28	19, 20
26	Thu	8			19, 20
27	Tue	13		Intersections - Chapter 31	21, 22
28	Thu	15			21, 22
29	Tue	20		Excel, Powerpoint & Word	
30	Thu	22			
31	Tue	27			Exam III
32	Thu	29		Excel, Powerpoint & Word	

EXAM: 13:00 p.m.- 15:00 p.m., Tuesday, May 4, 2004

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