

ENGR 226 – Engineering Drawing I

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Grades : <http://blackboard.cuesta.edu/>

COURSE DESCRIPTION:

Introduction to engineering drawing using AutoCAD. Topics include geometric construction, orthographic projection, isometrics, sectionals, auxiliaries, descriptive geometry, dimensioning, and working drawings. The first six weeks of ENGR125 and 226 are the same.

TEXT:

AutoCAD 2009 Part 1 and 2, Accent (Required)
Engineering Drawing Lecture Notes, By Jeff Jones (Required)
TECHNICAL DRAWING, 12th Edition, By: GIESECKE (Optional)

| | | | |
|----------------|---|--------|---------|
| GRADES: | 5 Tests Equally weighted (15% each) | 90-100 | A (-) |
| | Quizzes (25%) | 80-89 | B (+/-) |
| | | 70-79 | C (+) |
| | +/- grades break at 3 and 7 (ex. 83 and 87) | 60-69 | D (+/-) |
| | | <60 | F |

EXAMS/QUIZZES: NO makeups will be permitted. All Tests/ Quizzes are open book. Late quizzes will be marked down 30%.

TEST SCHEDULE (subject to change)

| TEST | SUBJECT | Date |
|--------|---|------------|
| Test 1 | AutoCAD Part 1 (Chapters 1-13) | Thur 9/3 |
| Test 2 | All chapters (Part 1 and 2) listed above | Thur 9/24 |
| Test 3 | Multiview Drawings | Tue 10/13 |
| Test 4 | Auxiliary Views, Descriptive Geometry, Dimensioning and Notation | Tue 11/10 |
| Test 5 | Section Views and Isometrics | Thur 12/17 |

Note:

- All tests are typically 90 minutes long.
- Online quizzes need to be uploaded through Blackboard by 9 pm PT (Pacific Time) on the date shown above.
- I will provide a flash drive for you to store your exam. Bring a Self Addressed Stamped Envelope (SASE) and I will mail you your exam back. Finals will be recycled immediately after grading unless you left me a SASE. Grades can be viewed online at <http://blackboard.cuesta.edu/>

SUGGESTED HOMEWORK

| SUBJECT | ASSIGNMENT |
|----------------------|---|
| AutoCAD 2009 Level 1 | All exercises in each module (unless noted otherwise). Use open lab to complete if required. |
| Engineering Drawing | Problems in the Lecture Notes |

MEETINGS FOR ONLINE CLASS

Online Class: Note the only meetings are those for the tests. The exams will begin at 10:30 am in Rm 3406-SLO.

CORRECTIONS:

The instructor reserves the right to make corrections to the syllabus. Other modifications may be made with the agreement between the instructor and the student.

TENTATIVE SCHEDULE

| WEEK# | SECTION | SUGGESTED HOMEWORK |
|-------|--|--------------------|
| 1 | Chapters 1-3 | See previous page |
| | Chapters 4-6 | |
| 2 | Chapters 7-10 | |
| | Chapters 11-13 | |
| 3 | Sample Test | |
| | Test 1 (Chapters 1-13) | |
| 4 | Chapters 14-16 | |
| | Chapters 17-20 | |
| 5 | PART2: Chapters 1-3, 4, 6, 7, 12 | |
| | Chapter 12 | |
| 6 | Sample Test | |
| | All chapters (Part 1 and 2) listed above | |

USE LECTURE NOTES

| | | |
|-------|--|---|
| 7 | Multiview Drawing | |
| | | 5-8, 9, 13, 14 (Found in back of Lecture Notes) |
| 8 | | 5-25, 26, 36 |
| | Sample Test | |
| 9 | Test 3 | |
| | Auxiliary Views | 7-2, 6 |
| 10-11 | Auxiliary Views- continued 2 nd Aux. Views (Descriptive Geometry) | 7-9, 10, 31, 33 8-1, 2, 3, 8 8-10, 14, 16, 18, 19 |
| 12 | Dimensioning/ Design & Working Drawing | 1A-F |
| | Continued and Sample Test | 1I, 1L, 2G, 3G |
| 13 | Test 4 | |
| | Section Views | 6-1, 2, 3 |
| 14 | Continued | 6-8, 13, 24 |
| 15 | | |
| | Thanksgiving | |
| 16 | Isometrics | 18-2, 5, 7 18-29, 38 |
| 17 | Sample Test | |
| | Open | |
| 18 | Test 5 | |