PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE
MASTER SYLLABUS

UPGRADE AUTOCAD SKILLS
CID 1150

Class Hours: 1.0 **Credit Hours: 2.0**

Laboratory Hours: 3.0 **Date Revised: Spring 1998**

This course is not designed for transfer credit.

Catalog Course Description:

This course is designed to convert existing AutoCAD skills to the latest version. It will cover new and changed commands in order to enable a smooth transition.

Entry Level Standards: None

Prerequisites:

CID 1100 or AutoCAD experience

Textbook(s) and Other Reference Materials Basic to the Course:

Reference: Technical Drawing. Macmillan (Gieseake)
Harnessing AutoCAD. Thomas A. Stellman, G.V. Krishnan, Robert A. Rhea (Delmar Pub.)
Customizing AutoCAD. Sham Tickoo (Delmar Pub.)
Supplies: 3.5 floppy disks

I. Week/Unit/Topic Basis:

Week	Topic
1	Intro Navigating the Interface; Command Updates I Objective Snaps, drawing precision enhanced display capabilities and layers Command Updates II Linetypes, controlling objective properties, text styles, text commands, and plot enhancements Sharing your work with others XREF manager, attaching images, compound documents and Internet features Overview, GUI basics, customizing GUI, command line editing, and creating new drawings
2	Getting Started: GUI Basic, menus, command line, NEW and OPEN, saving drawings, drawing aids, and drawing setup
3	Draw Commands: Line, coordinate entry, OSNAP, circle, arc, polygon, pline, ellipse, and BHATCH
4	Display and Inquiry: Basic, zoom, pan, view, slide, files, layer, linetypes, inquiry and area
5	Modify Drawings: Basics, selection sets, grips, changing properties, trim, stretch, and scale

6 Construction Techniques: Undo, move, offset, mirror, array, break, lengthen, fillet, chamfer, divide, and explode

7 Annotating Drawings: Basics, associative, linear, dimension angles, radial, ordinate dimensioning, style, and labeling

8 Data Exchange and Output: data exchange, block, insert, XREF, pot, and papersapce

II. Course Objectives*:

A. Creation and use of prototype drawings. II, V

B. Use of drawing commands to make professional quality drawings. II, III

C. Create and use symbols and blocks. II, IV, V

D. Basic understanding of Windows environment; use of other software and standards which may be required in a professional work environment. II, V

E Use computer applications to communicate in professional environment. VII

F. Creation and use of solid models in AutoCAD. II, V, VI

*Roman numerals after course objectives reference goals of the CID program.

III. Expectations for Student Performance*:

Upon successful completion of this course, the student should be able to:

1. Proficient use of new and changed commands in the new version of AutoCAD. A, B, C, F

2. Use created prototype drawings efficiently in typical work applications (title blocks, symbol libraries, blocks and attributes). A

3. Create blocks and wblocks to facilitate the increased speed of drawing production. A, B, C

4. Create mechanical parts and assembly drawings suitable for inclusion in a portfolio. A, B

5. Create 3D drawings. A, B

6. Modify the menus. C, E

7. Use other computer applications to communicate in a professional environment. D, E

*Letters after performance expectations reference the course objectives listed above.

IV. Evaluation:

A. Grading Scale:

A 91-100
B 81-90
C 71-80
D 60-70
F Below 60

B. Grade Breakdown:

The purpose of this class is to provide for adaptation of previous learned skills in AutoCAD to the new version. Drawings will be assigned to provide practical experience and develop ability to retain the knowledge provided in this class. Formal tests and quizzes will be given at the discretion of the instructor. Final grades will be calculated as follows:
Assignments 80%
Quizzes and Homework 20%

V. Policies:

Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled instructional activities. As a minimum, students in all courses must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. The CIDD program may have requirements that are more stringent.