

COLLEGEWIDE COURSE OUTLINE OF RECORD

DESN 113, 2D COMPUTER-AIDED DESIGN

COURSE TITLE: 2D Computer-Aided Design

COURSE NUMBER: DESN 113

PREREQUISITES/COREQUISITES: DESN 101, Introduction to Design Technology.

SCHOOL: Technology

PROGRAM: Design Technology

CREDIT HOURS: 3

CONTACT HOURS: Lecture: 2 Lab: 2

DATE OF LAST REVISION: Fall, 2015

EFFECTIVE DATE OF THIS REVISION: Fall, 2015

CATALOG DESCRIPTION: This course improves the student's CAD ability by presenting CAD commands, which will lead to the creation of advanced prototype drawings, graphic manipulation of symbol libraries, the utilization of advanced dimensioning techniques, and application of data sharing techniques. Detailed plotting instruction will also be covered.

MAJOR COURSE LEARNING OBJECTIVES: Upon successful completion of this course the student will be expected to:

1. Create and use a template drawing.
2. Manipulate advanced dimensioning variables.
3. Use advanced editing commands.
4. Create blocks and form a symbol library.
5. Assign data/attributes to blocks.
6. Apply section lines to various types of drawing parts.
7. Create drawings using an isometric approach.
8. Share data utilizing external references.
9. Set up a plotter, and plot a drawing.

COURSE CONTENT: Topical areas of study include –

Objects	Layers
Setup	Styles
Formatting	Object Modification
View Characteristics	Printing/Plotting
Exporting	

HOW TO ACCESS THE IVY TECH COMMUNITY COLLEGE LIBRARY:

The Ivy Tech Library is available to students on- and off-campus, offering full text journals and books and other resources essential for course assignments. Go to <http://www.ivytech.edu/library/> and choose the link for your campus.

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Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as acquisition without permission of tests or other academic work. This includes students who aid and abet as well as those who attempt such behavior.

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