



# Wayne County Community College District

## COURSE SYLLABUS

### CAD 110 Introduction to Unigraphics CAD/CAM

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:**

An introduction to two-dimensional drawing using the Unigraphics modeler. Other topics include Windows operating system and Visual User Environment (VUE); File Management; Two-dimensional drawing, construction, and editing, view manipulation, layout, and brief introduction to three-dimensional principles and concepts.

**PREREQUISITES:** DRT102 or MAT121

**EXPECTED OUTCOMES:**

Upon the completion of the course, students will:

1. Navigate through the User Environment interface for the purpose of file management and to access Unigraphics.
2. Determine where files are located and access them.
3. Enter and exit Unigraphics, and shutting down the system properly.
4. Creating geometric entities (lines, spindles, arcs, fillers, chamfers, etc).
5. Use drawing transformation commands to increase efficiency (copy, mirror, array, offsets, etc.)
6. Use editing functions to alter drawing (move, erase, stretch, etc.)
7. Use the view manipulation option to navigate about the screen (zoom, pan, fit, etc.)
8. Printing and plotting drawing.
9. Creating and executing layers and class selection to separate and categorize data for case of display and access.
10. An introduction to solid modeling and its functions.

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9% = B  
70%-79.9% = C  
60%-69.9% = D  
<60% = E