



# Wayne County Community College District

## Course Syllabus

### CAD 222

### Unigraphics Solids Modeling

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

#### **COURSE DESCRIPTION:**

Prereq: CAD 110

An introduction to the fundamental three dimensional models in Unigraphics. Other Topics include Boolean Operations; solid and surface base modeling; create and edit features; analyze, move and hybrid models.

#### **EXPECTED COMPETENCIES**

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

- A. Create each of primitive features
- B. Perform each of the Boolean operation
- C. Perform the edit feature option, edit parameters, move and delete features
- D. Construct from features such as hole slot, groove, pocket, boss and pad
- E. Position a form feature on an existing solid object.
- F. Perform the edit feature options, edit position.
- G. Construct ab extruded or revolved body.
- H. Construct datum planes and datum axis.

#### **ASSESSMENT METHODS**

Student performance may be assessed by examination, quizzes, case studies, oral reports, group discussion, written reports or 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