Wayne County Community College District

COURSE SYLLABUS

CAD 222 UNIGRAPHICS SOLIDS MODELING

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:
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.

PREREQUISITE: CAD 110 (Lab Fee)

EXPECTED COMPETENCIES:
Upon successful completion of this course, the student will be able to:
- Create each of primitive features: block, sphere, cylinder, etc…
- Perform each of the Boolean operations (unite, subtract, intersect...)
- Perform the edit feature option, edit parameters, move and delete features
- Construct form features such as hole slot, groove, pocket, boss and pad
- Position a form feature on an existing solid object.
- Perform the edit feature options, edit position..
- Construct an extruded or revolved body.
- Construct datum planes and datum axis.

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