Course Outcomes Guide #4

Course Title: CAD 153
Course Leader: Adam Bridendolph

Expected Learning Outcomes for Course:

Upon completion of this course, students will be able to:

- Create solid models using parametric based software
- Create assemblies using created parts and the content center
- Create working drawings, exploded drawings and parts lists of assemblies
- Create animations of solid model assemblies
- Use the software to analyze material properties and perform finite element analysis

Assessment:
(How do students demonstrate achievement of these outcomes?)

3 Projects, mid-term exam, final exam, and homework assignments

Validation:
(What methods are used to validate your assessment?)

Feedback from internship employers, review of portfolios, performance on mid-term and final exam

Results:
(What does the data show?)

Students have acquired enough skill to continue on to the next CAD course, or get a job in the workforce.

Follow-up:
(How have you used the data to improve student learning?)

Additional emphasis and assignments in areas suggested by advisory committee (i.e. proper use of dimensioning)

Budget Justification:
(What resources are necessary to improve student learning?)

Maintain license for CAD software