

Course Outcomes Guide

Course Title: CAD 226

Course Leader: Todd Wolford

Expected Learning Outcomes for Course:

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

- Identify, apply, and discuss the principles and elements of residential architecture.
- Create a set of working house plans drawings using the fundamental AutoCAD drawing and modifying commands.
- Edit and modify existing AutoCAD drawings.
- Utilize the AutoCAD layering system to organize data and control display.
- Utilize the AutoCAD design systems, as well as industry created blocks for the development of drawings.
- Plot AutoCAD drawings to create a portfolio of original design work.
- Apply appropriate industry standards and building codes to the computer-aided design process.

Assessment:

(How do students demonstrate achievement of these outcomes?)

Drawings, portfolio, final exam, and assignments

Validation:

(What methods are used to validate your assessment?)

Feedback from internship employers, review of portfolios, performance on final exam

Results:

(What does the data show?)

Students have acquired enough skill to continue on in to the field of residential design.

Follow-up:

(How have you used the data to improve student learning?)

Additional emphasis and assignments in areas suggested by advisory committee
(i.e. industry changes, code changes between tri-state area)

Budget Justification:

(What resources are necessary to improve student learning?)

Maintain license for CAD software.

Purchase and maintenance of quality printers that print a 11x17 paper size.

Maintenance of existing plotter and readiness of supplies for its complete functionality.