

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

Prepared by: Dr. Pattie Odgers
Revised by: Dan Bingham
Revised by: Monica Baker
Revised by: Joe Costion
Revised by: Dave Bowman
Status: Permanent

May 27, 1992
March 5, 1998
November 16, 1998
February 19, 2003
January 31, 2014
2014-9999

A. Identification:

1. Subject Area: Drafting (DFT)
2. Course Number: 125
3. Course Title: Architectural Drafting I
4. Credit Hours: 3
5. Catalog Description: Principles of architectural drafting design and techniques. This board drafting course covers fundamentals of design, space, utilization, drafting tool usage, construction drafting requirements, and the development of a set of blueprints. Prerequisite: DFT 110 or consent of instructor. Two lecture. Two lab.
*Course is available to Dual Enrollment Students Only.

B. Course Goals:

Create a set of blueprints utilizing fundamental drafting techniques.

C. Course Outcomes: Students will:

1. demonstrate line weight, lettering and other drafting techniques, the use of drafting tools and materials;
2. apply the uniform building codes to drawing design;
3. design and draw working drawings or plans for a residential house;
4. apply drafting skills, sketching, board work, and computer aided design/drafting to drawings;
5. select, care for and use drafting tools and equipment used for architectural drafting;
6. identify types and grades of paper used to produce original pencil and ink drawings;
7. use correct line structure and density, standard lettering styles and other graphic symbols;
8. identify the hardware components in a CAD workstation and describe the purpose of each;
9. locate appropriate sections in the uniform building code to clarify design features;
10. draw site or plot plans for a given residence in a specified zoning area; draw detailed foundation and foundation section plans for a specific residence; draw floor plans for a chosen residence;
11. produce three elevation views for a chosen residence;
12. draw detailed sections of walls, chimneys or others as needed for a chosen residence; and draw a floor, wall, ceiling and roof framing plans for a chosen residence.

D. Course Content will include:

1. drafting tools;
2. drafting mediums;
3. lines and lettering;
4. blueprint production;
5. building codes;
6. site/plot plans;
7. foundation plans;
8. floor plans;
9. elevations;
10. and framing plans.