

DRAFTING (DRFT)

DRFT 016 CAD Applications **4unit(s)**

Hours: 3 Lecture/Discussion Hours:
3 Lab

This is an advanced computer assisted drafting course that explores parametric solid modeling. Techniques include modeling tools, assembly modeling, and working with drawing views.

Advisory on Recommended Preparation: DRFT 114 and DRFT 115 or equivalent college courses with a minimum grade of C; Prior work experience using AutoCAD and/or SolidWorks.

DRFT 017 Introduction to Revit **4unit(s)**

Hours: 3 Lecture/Discussion Hours:
3 Lab

Introductory course that explores the fundamentals and techniques of communicating graphically in the construction industry. Students will use computer-aided design and building information modeling to replicate a project's construction documents and complete a small group project.

Prerequisites: DRFT 114 or equivalent college course with a minimum grade of C.

DRFT 114 Introduction to CAD **4unit(s)**

Hours: 3 Lecture/Discussion Hours:
3 Lab

This is an introductory course that explores the basic concepts and applications of computer assisted drafting. Students will use the computer to solve a series of drafting problems related to various design professions.

DRFT 115 Advanced CAD **4unit(s)**

Hours: 3 Lecture/Discussion Hours:
3 Lab

This is an advanced computer assisted drafting course that explores parametric solid modeling. Techniques include sketching, editing, modifying, adding relations and dimensions, base feature options, creating geometries, modeling tools, and editing features.

Advisory on Recommended Preparation: DRFT 114 or equivalent college course with a minimum grade of C.

DRFT 204 Mechanical Drafting **2unit(s)**

Hours: 1.5 Lecture/Discussion Hours:
1.5 Lab

This is an intermediate course in the fundamentals of mechanical drawing and modern drafting practice. It is a "tactile" (by hand) drafting course. Emphasis will be placed on orthographic views, dimensioning, and the interrelationship of manufacturing design.

Advisory on Recommended Preparation: ARCH 020 or equivalent college course with a minimum grade of C or equivalent skills determined by department assessment.