

**NorthWest Arkansas Community College
Business and Computer Information Systems Division**

CAD Department Course Outline

DRFT 1122 - CAD Careers and Applications (F)

Catalog Description:

This is an introduction to the many fields of graphic communication and visualization, including architectural, mechanical, civil, and landscape. This course examines the role of the CAD Design Drafter in these industries and the career opportunities for graduates. The focus of the class will be current industry trends, types of drawings produced, software used, and the skills and knowledge students need to be successful in these fields.

Prerequisites:

None

Credit hours/Contact Hours/Load hours:

2/2/2

Target Audience/Transferability:

First semester CAD students /non-transferable

Student Learning Outcomes:

Students will:

- Identify the many disciplines in the CAD technology field and the products and services provided by these disciplines
- Describe what knowledge and skills are needed to be successful in these disciplines
- Compare the different types of drawings and documents produced, the specific software programs used, and the general work environment found in the typical workplaces
- Identify which disciplines are suited to the student's career interests as well as current employment prospects
- Declare the degree option which best fits the students educational needs

Topics:

- Career opportunities in the field of CAD
- Overview of current technology used for different disciplines
- Areas of specialization and the objects/structures designed and produced
- Knowledge and skills required for CAD occupations
- Guest speakers from local industries

Forms of Assessment:

- Tests/quizzes on CAD technology disciplines and knowledge and skills required.
- Reflective journal

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