

Course discipline/number/title: CAD 2430: Special Fields of Drafting

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 1 lecture, 2 lab
3. Prerequisites (Course discipline/number): CAD 1039, CAD 1150 or instructor's permission
4. MnTC Goals (if any): NA

This course offers CAD students the opportunity to study special fields of drafting. Students will create hands on projects such as signage, props, vehicle wraps among other creative designs. Students will use CAD to design the projects. This course will be taught in a state-of-the-art facility featuring the latest release of SolidWorks. Students must receive a grade of C or better in all prerequisite courses.

B. DATE LAST REVISED (Month, year): October, 2017

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Scan to CAD
2. Vehicle graphics
3. Signage
4. Props & designs
5. Prototypes

D. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Trace photos to create CAD data.
2. Design vehicle graphics.
3. Install vehicle graphics.
4. Create signage.
5. Install signage.
6. Design and create props and designs.
7. Create prototypes.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

Methods may include but not limited to:

1. Project evaluation and completion
2. Software skill proficiency

G. RCTC CORE OUTCOME(S) ADDRESSED:

Personal and Professional Accountability. Students will take responsibility as active learners for achieving their educational and personal goals.

H. SPECIAL INFORMATION (if any): None