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

A. CATALOG DESCRIPTION
1. Credits: 2 (1 lecture, 1 lab)
2. Hours/Week: 1 hour lecture, 2 hours lab
3. Prerequisites (Course discipline/number): CAD 1039, CAD 2323, CAD 2358, CAD 2460 or instructor’s permission
4. Co-requisites (Course discipline/number): None
5. 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.

B. DATE LAST REVISED (Month, year): April, 2013

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Scan to CAD
2. Vehicle graphics
3. Signage
4. Props and 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:
1. Checking electronic drawing files
2. Skill proficiency quizzes
3. Written tests

G. RCTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response

H. SPECIAL INFORMATION (if any):
Tuition differential