DEPARTMENT: Manufacturing Technology
CURRICULUM: Welding Fabrication Technology
COURSE TITLE: Fabrication/CAC/PAC/OXY Fuel Cutting
COURSE NUMBER: WFT 128
TYPE OF COURSE: Vocational Preparatory
COURSE LENGTH: 1 Quarter
CREDIT HOURS: 6
LECTURE HOURS: 22
LAB HOURS: 88
CLASS SIZE: 25
PREREQUISITES: WF T: 100, 105, 120, 121, 124, 125,

COURSE DESCRIPTION:

Both lecture and laboratory exercises which involve the practical transfer of blueprint information onto metal using a variety of techniques. Applications of geometric shape constructions and divisions in the shop environment are covered. Also learned demonstrate proficiencies with: Carbon Arc Cutting, Plasma Arc Cutting, and manual OXY Fuel Cutting

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Communicate and work in groups to complete minimum skills activities.
STUDENT LEARNING OUTCOMES ADDRESSED: (cont.)

2. Personal Responsibility - Demonstrate safe Basic Layouts as required for assigned activities. Complete reading and written work as assigned. Demonstrate consistent quality workmanship and layout tool care and maintenance per industry standards.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will be able to:

1. Recognize common layout tools and their accessories.
2. Explain the necessary layouts required by blueprints.
3. Demonstrate Basic Layouts in weld fabrication using template paper & patterns.
4. Perform basic layouts in the construction of assigned projects.
5. Demonstrate proficiency with CAC/PAC/OXY cutting processes.

TOPICAL OUTLINE

| I. Basic layout constructions  | 22 |
| II. Basic Fitup Procedures   | 22 |
| III. Dimensional accuracy    | 22 |
| IV. Development & Usage of Fixtures | 22 |
| V. Study usage & Proficiency of CAC/PAC/OXY Fuel cutting processes. | 22 |

Total 110

Detailed Topical Outline is available separately

REVISED BY: D. Weber
DATE: August, 2011