_____SOUTH SEATTLE COMMUNITY COLLEGE_____

<div align="right">Technical Education Division</div>

COURSE OUTLINE
Revision: D Weber, August, 2011

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.

WFT Fabrication/CAC/PAC/OXY Fuel Cutting this
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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

TOPICAL OUTLINE   APPROX. HOURS

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   22
     Fuel cutting processes.   Total   110

Detailed Topical Outline is available separately

REVISED BY: D. Weber
DATE: August, 2011