

_____ SOUTH SEATTLE COMMUNITY COLLEGE _____
Technical Education Division

COURSE OUTLINE

Revision: Rodger Squirrell July 14, 2009

DEPARTMENT: Manufacturing Technology
CURRICULUM: Welding Fabrication Technology
COURSE TITLE: Basic Layout Skills
COURSE NUMBER: WFT 106
TYPE OF COURSE: Vocational Preparatory
COURSE LENGTH: 1 Quarter
CREDIT HOURS: 2
LECTURE HOURS: 11
LAB HOURS: 22
CLASS SIZE: 25
PREREQUISITES: Basic math skills and ability to read blueprints
or instructor permission

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. Presentation of shortcuts to achieve both dimensional accuracy and quality assurance.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Communicate and work in groups to complete minimum skills activities
WFT 106 Basic Layout Skills

January 19, 2003

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.

TOPICAL OUTLINE	APPROX. HOURS
I. Basic layout constructions	28
II. Dimensional accuracy	2
III. Templates & Patterns	<u>3</u>
Total	33

Detailed Topical Outline is available separately

REVISED BY: John Todd
DATE: January 19, 2003