

\_\_\_\_\_ SOUTH SEATTLE COMMUNITY COLLEGE \_\_\_\_\_

Technical Education Division

### COURSE OUTLINE

Revision: Rodger Squirrell July 14, 2009

DEPARTMENT: Manufacturing Technology

CURRICULUM: Welding Fabrication Technology

COURSE TITLE: Use of Blueprints in Welding Fabrication

COURSE NUMBER: WFT 105

TYPE OF COURSE: Vocational Preparatory

COURSE LENGTH: 1 quarter

CREDIT HOURS: 2

LECTURE HOURS: 11

LAB HOURS: 22

CLASS SIZE: 16

PREREQUISITES: Instructor's permission

#### COURSE DESCRIPTION:

Introduction to blueprinting reading for both mechanical and structural welded fabrications. Investigation into: use of lines, views and projections, extraction of dimensions and material list ("takeoffs"), and interpretation of fabrication details and operation sequences. Covers use of welding symbols.

#### STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Communicate and work in groups (if assigned) to complete minimum skill activities
2. Personal Responsibility- Demonstrate safe basic layout skills. Demonstrate consistent quality workmanship per industry standard. Complete reading and written work as assigned.

WFT 105 Use of Blueprints in Welding Fabrication  
January 19, 2003

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Approach fabrication blueprints with confidence
2. Use a systematic method to extract information
3. Establish the order/sequence of fabrication operations from a blueprint
4. Perform basic layouts as assigned

TOPICAL OUTLINE:

APPROX. HOURS

I.	Lines and views	3.5
II.	Shapes	2.0
III.	Notes and specifications	10.5
IV.	Dimensions	2.5
V.	Section and auxiliary views	4.0
VI.	Abbreviations	.5
VII.	Fabrication operations sequence	<u>10</u>
	Total	33

REVISED BY: John Todd  
DATE: January 19, 2003