

\_\_\_\_\_SOUTH SEATTLE COMMUNITY COLLEGE\_\_\_\_\_

Technical Education Division

### COURSE OUTLINE

Revision: David Weber, August, 2011

DEPARTMENT:	Manufacturing Technology
CURRICULUM:	Welding Fabrication Technology
COURSE TITLE:	Print Reading and Welding Symbols
COURSE NUMBER:	WFT 105
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	1 quarter
CREDIT HOURS:	5
LECTURE HOURS:	55
LAB HOURS:	0
CLASS SIZE:	25
PREREQUISITES:	none

#### COURSE DESCRIPTION:

This course prepares students to read and interpret industrial prints for both mechanical and structural welded fabrications. The curriculum includes interpreting various views and types of prints and welding symbols and their application.

#### 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 Print Reading and Welding Symbols  
August, 2011

GENERAL COURSE OBJECTIVES:

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

1. Interpret industrial prints used for fabrication
2. Use a systematic method to extract information
3. Establish the order and sequence of fabrication operations from a print
4. Perform basic layouts operations
5. Identify, interpret, and use welding symbols

TOPICAL OUTLINE:

APPROX. HOURS

I.	Interpretation of Pictorial and orthographic projections	10
II.	Notes and specifications	5
III.	Dimensions	5
IV.	Section and auxiliary views	5
V.	Weld symbols	25
VI.	Fabrication operations sequence	<u>5</u>
	Total	55

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