

_____ SOUTH SEATTLE COMMUNITY COLLEGE _____
Technical Education Division

COURSE OUTLINE

Revision: Rodger Squirrell July 14, 2009

DEPARTMENT:	Manufacturing Technology
CURRICULUM:	Welding Fabrication Technology
COURSE TITLE:	Development of a Welding Procedure
COURSE NUMBER:	WFT 109
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	1 Quarter
CREDIT HOURS:	2
LECTURE HOURS:	14
LAB HOURS:	19
CLASS SIZE:	25
PREREQUISITES:	Cutting, forming and arc welding skills, ability to read blueprints, or instructor permission

COURSE DESCRIPTION:

This course is an opportunity for the more experienced student to explore and experiment with reasonable possibilities in joint design, process selection, filler products, weld position, and the essential and non-essential variables of a welding procedure. This is "recipe development" for making good welds.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Personal Responsibility - Take responsibility for meeting deadlines as assigned. Take pride in demonstrating safe welding procedure skills. Take pride in one's own workmanship and tool care and maintenance.
- WFT 109 Development of a Welding Procedure

January 20, 2003

STUDENT LEARNING OUTCOMES ADDRESSED:

2. Human Relations - Use social interactive skills to work in groups, as assigned, to complete minimum skill requirements.

GENERAL COURSE OBJECTIVES:

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

1. Identify role of welding procedure in scheme of welding fabrication
2. Identify the main parts of a welding procedure
3. Write welding procedures for sample weld joints
4. Select the "best fit" pre-qualified welding procedure(s) for specified situations

OUTLINE OF COURSE TOPICS

APPROX. HOURS

I. Basic joints, welds, & processes	10
II. Welding procedures	15
III. Writing welding procedures	5
IV. The pre-qualified weld joint	<u>3</u>
Total	33

Detailed Course Outline is available separately

REVISED BY: John Todd
DATE: January 20, 2003