

_____ SOUTH SEATTLE COMMUNITY COLLEGE _____
Technical Education Division

COURSE OUTLINE
Revision: R. Squirrell July 14, 2009

DEPARTMENT:	Manufacturing Technology
CURRICULUM:	Welding Fabrication Technology
COURSE TITLE:	Welding Processes Introduction (Career Link)
COURSE NUMBER:	WFT 091
TYPE OF COURSE:	Vocational Supplemental
COURSE LENGTH:	1 quarter
CREDIT HOURS:	Variable 2 - 6
LECTURE HOURS:	10 - 20
LAB HOURS:	20 - 80
CLASS SIZE:	15
PREREQUISITES:	None

COURSE DESCRIPTION:

Exploration of the applications and standards for choosing the common welding processes and the characteristics of each. Special emphasis is placed on safety and the proper use of tools and equipment.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Personal Responsibility - Take personal responsibility for safety of self and others, and the care and proper use of tools
2. Technology - Use appropriate tools and equipment correctly
3. Communication - Listen and follow directions accurately

WFT 091 Welding Processes Introduction (Career Link)
October 20, 1998

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Set up and use the OAW process safely and efficiently on tasks assigned
2. Explain and demonstrate the basic set up and operating procedures for OAW, SMAW, GMAW, GTAW, and TC
3. Explain and demonstrate the above to another student effectively

TOPICAL OUTLINE:

APPROX. HOURS

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|---|---------------------------------|
| <ol style="list-style-type: none"> I. Overview of course II. Safety III. Equipment and tools IV. The five basic processes <ol style="list-style-type: none"> A. Oxygen acetylene welding applications B. Shielded metal arc welding C. Gas metal arc welding D. Gas tungsten arc welding E. Thermal cutting processes V. Evaluation projects | <p>Total hours are variable</p> |
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REVISED BY: Rodger Squirrel
DATE: January 19, 2003