

_____SOUTH SEATTLE COMMUNITY COLLEGE_____

Technical Education Division

COURSE OUTLINE

Revision: David Weber, August, 2011

DEPARTMENT:	Manufacturing Technology
CURRICULUM:	Welding Fabrication Technology
COURSE TITLE:	Advanced Fabrication II
COURSE NUMBER:	WFT 238
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	1 Quarter
CREDIT HOURS:	8
LECTURE HOURS:	33
LAB HOURS:	110
CLASS SIZE:	25
PREREQUISITES:	All WFT 100 Level Courses, 227

COURSE DESCRIPTION:

Experiences with a comprehensive group of activities involving all major fabrication areas including design and development, estimating, layout, cutting (including demonstration of machine torch & Plasma), forming, fit up, tack welding, and product assessment. Fabrication of an approved project of the student's own design is encouraged.

STUDENT LEARNING OUTCOMES ADDRESSED:

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

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STUDENT LEARNING OUTCOMES ADDRESSED: (cont.)

2. Personal Responsibility - Take responsibility for meeting deadlines as assigned. Demonstrate safe shop practices. Take pride in one's own workmanship per industry standards, courtesy and production level.
3. Communication - Speak and write effectively to communicate formulated action plans for welding

GENERAL COURSE OBJECTIVES:

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

1. Apply and perfect a variety of fabrication skills using critical thinking.
2. Operate OXY-Fuel/Plasma cutting machine torch
3. Fabricate a project of one's own design with the potential for design, development, and refinement of expert quality workmanship.
4. Work in groups and independently as assigned to develop confidence

TOPICAL OUTLINE	APPROX. HOURS
I. Design and development	20
II. Estimating and layout	10
III. Cutting, forming, fit up, production weld, finishing.	<u>113</u>
	Total 143

Detailed Topical Outline is available separately

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