

COURSE OUTLINE

Revision: Rodger Squirrel July 14, 2009

DEPARTMENT:	Manufacturing Technology
CURRICULUM:	Welding Fabrication Technology
COURSE TITLE:	Welding Certifications
COURSE NUMBER:	WFT 130
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	1 quarter
CREDIT HOURS:	3
LECTURE HOURS:	22
LAB HOURS:	22
CLASS SIZE:	25
PREREQUISITES:	Fourth quarter standing or instructor's permission

COURSE DESCRIPTION:

An exploration into the nature and purpose of welding performance certifications. An overview of popular certifications and tests. Standards for performance that ensure consistent product quality are examined. Includes practical exercises in developing proper performance techniques.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Personal Responsibility - Take responsibility for skill development. Critique and evaluate for successful procedures
2. Critical Thinking and Problem Solving - Demonstrate procedures and self evaluate results
3. Technology - Master tools and procedures for specific certifications

WFT 130 Welding Certifications
January 20, 2003

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Explain the major purposes and uses of welding certifications
2. Identify the most widely used certifications and the industries that employ them
3. Perform laboratory exercises for developing the skills necessary to pass a certification test(s)

TOPICAL OUTLINE:

APPROX. HOURS

I.	Functions of welding certifications	1
II.	Industries using certifications	1
III.	Agencies that manage welding certifications	2
IV.	Typical certification procedures	<u>40</u>
	Total	44

REVISED BY: John Todd
DATE: January 20, 2003