SYLLABUS

31LLAD03				
DIVISI	ON: Business and Engineering Techr	nology	REVISED: MAY/ 2013	
CURR	ICULA IN WHICH COURSE IS TAUG	HT:	DCC Program of Study	
COURSE NUMBER AND TITLE: WEL 120, Fundamentals of Welding				
CREDIT HOURS: 2 HOURS/WK LEC: 1 HOURS/WK LAB: 3 LEC/LAB COMB: 4				
and cu welding	itting, nomenclature of the equipment,	develop	ory of oxyacetylene welding, principles of welding proceduring, and safety proceduring proceduring proceduring principles of welling proceduring principles of welling principles of welding principle	outt
II.	RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES: This course teaches the student the fundamentals of welding and cutting processes that will able them to use and understand different welding and cutting procedures.			
III.	REQUIRED BACKGROUND/PREREQUISTIES:			
IV. COURSE CONTENT: Welding Orientation (first class only) Shop Safety Oxyfuel Processes Plasma Cutting Process Shielded Metal Arc Welding (SMAW) Process Gas Metal Arc Welding (GMAW) Process Introduction to Gas Tungsten Arc Welding (GTAW)				
V.	THE FOLLOWING GENERAL E THIS COURSE	EDUCA	TION OBJECTIVES WILL BE ADDRESSED	IN
<u>X</u>	Communication	<u>X</u> Ir	nformation Literacy	
X	Critical Thinking	<u>Х</u> Ре	ersonal Development	

X Quantitative Reasoning

X Cultural and Social Understanding

VI. LEARNER OUTCOMES

VII. EVALUATION

Learner outcome :

Demonstrate Safety Practices
Assembly And Use Of Oxyfuel Cutting
Equipment
Setup And Use Plasma Arc Cutting Torch
Identify And Select Proper Welding Methods
Indentify And Select Proper Welding Machine
Controls
Learning To Strike An Arc
Run Beads In The Flat Position

Evaluation method

- Lab exercises
- Written test
- Hands on lab exam