✓		RED COURSE IVE COURSE									TEC	DIVISION NEW CO REVISION	URSE
				Lake Land		_							
COLUBEE AULIA IDED	I,	A# D 0/2		Course Informa			G 14 :		l: 111				
COURSE NUMBER:		WLD-063		TITLE: (30 Character	s Max)			l Arc Welc					
SEM CR HRS:	3.0		Con	0.5 eer/Technical		La		5.0		B Lab:	5.0	ECH:	5.5
Course Level:		Sen Ed / IAI Baccalaureate /Non-IAI		Ed/ Not in Degree Audit		Clin Practi		0.0		based ning:	0.0	WBL ECH:	0.0
Course PCS & CIP:		12 - 48.0508		IAI Code			N	/A		Cor	ntact Hours	Minutes/W	eek)
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	Ν	Min:		Max:		16 Wks	275	8 Wks	550
Prerequisites:	,	WLD-040 or WLDC-040, WLD	-041	or WLDC-041 and WLD-0	62 or \	WLDC-062							
Corequisites:		None											
Catalog Description: (40 Word Limit)	:	Students in this course must p	repa	re gas metal arc and flux c	ore we	elds which	pass guid	ed bend to	ests.				
	List	the Major Course Segments	s (Uni	ts)		Contact Ho		Conta Ho	ct Lab urs	Clinical F	Practicum		based ning
GMAW weld on v-groove	plate f	at				0.	.5		5				
GMAW weld on v-groove						1.		1					
GMAW weld on v-groove plate vertical					1.5		15						
FCAW weld on v-groove plate flat				1		10							
FCAW weld on v-groove plate horizontal				1. 1.		15 15							
FCAW weld on v-groove plate vertical				Т	OTAL	7.		7)	()
				<u>'</u>	OIAL	7.	.5	,	<u> </u>		<i>J</i>	,	
				EVALUTIO	<u> </u>								
OII	117756	EVANC	17	EVALUTION		RAL PRES					DADEDC		
QUIZZES EXAMS LAB WORK PROJECTS								PAPERS ☐ OTHER ☐					
2.0	· · · · · ·	_ INGGEGIO									OTTIER		
				COURSE MAT	ERIA	LS							
	TIT	LE: Welding: Principles and F	racti										
	AUTHO	OR: Larry Jeffus											
PL	UBLISH	ER: Cengage Learning											
VOLUME/EDIT COPYRIG													
COFTRIG	INI DA	16. 2017											
MAJOR C	OURS	SE SEGMENT		HOU	RS				IFA	RNING	OUTCO	MES	
1111 10 011 0	00110	2 3231112111		1100				The stude					
GMAW weld on v-groove	· plate fl	at position		5.5				1. Identify weld on V passes an 2. Make g 3. Interpro 4. Interpro	r, complet r-groove p d perform groove we et basic el et welding	te and exa plates in the guided b lds in all p lements of g symbol in	mine acce ne flat posi nend test. nositions on a drawing nformation ving or ske	tion with r carbon s or sketch	nultiple teel.
GMAW weld on v-groove plate horizontal position			16.5					1. Identify, complete and examine acceptable GMAW weld on v-groove plates in the horizontal position with multiple passes and perform guided bend test. 2. Make groove welds in all positions on carbon steel. 3. Interpret basic elements of a drawing or sketch. 4. Interpret welding symbol information. 5. Fabricate parts from a drawing or sketch.					

GMAW weld on v-groove plate vertical position	16.5	1. Identify, complete and examine acceptable GMAW weld on V-groove plates in the vertical position with multiple passes and perform a guided bend test. 2. Make groove welds in all positions on carbon steel. 3. Interpret basic elements of a drawing or sketch. 4. Interpret welding symbol information. 5. Fabricate parts from a drawing or sketch.
FCAW weld on v-groove plate flat position	11	1. Identify, complete and examine acceptable FCAW weld on v-groove plates in the flat position with multiple passes and perform guided bend test. 2. Set up for FCAW operations on carbon steel. 3. Operate FCAW equipment on carbon. 4. Make and examine groove welds in flat position on carbon steel. 5. Interpret basic elements of a drawing or sketch. 6. Interpret welding symbol information. 7. Fabricate parts from a drawing or sketch.
FCAW weld on v-groove plate horizontal position		1. Identify, complete and examine acceptable FCAW weld on v-groove plates in the horizontal position with multiple passes and perform guided bend test. 2. Set up for FCAW operations on carbon steel. 3. Operate FCAW equipment on carbon. 4. Make groove welds in horizontal position on carbon steel. 5. Interpret basic elements of a drawing or sketch. 6. Interpret welding symbol information. 7. Fabricate parts from a drawing or sketch.
FCAW weld on v-groove plate vertical position	16.5	1. Identify, complete and examine acceptable FCAW weld on v-groove plates in the vertical position with multiple passes and perform guided bend test. 2. Set up for FCAW operations on carbon steel. 3. Operate FCAW equipment on carbon. 4. Make groove welds in vertical position on carbon steel. 5. Interpret basic elements of a drawing or sketch. 6. Interpret welding symbol information. 7. Fabricate parts from a drawing or sketch.
	82.5	

Outcomes*	At the successful completion of this course, students will be able to:					
Course Outcome 1	Demonstrate acceptable GMAW weld on v-groove plates in the flat position with multiple passes and perform guided bend test.					
Course Outcome 2	Demonstrate acceptable GMAW weld on v-groove plates in the horizontal position with multiple passes and perform guided bend test.					
Course Outcome 3	Demonstrate acceptable GMAW weld on v-groove plates in the vertical position with multiple passes and perform guided bend test.					
Course Outcome 4	Demonstrate acceptable FCAW weld on v-groove plates in the flat position with multiple passes and perform guided bend test.					
Course Outcome 5	Demonstrate acceptable FCAW weld on v-groove plates in the horizontal position with multiple passes and perform guided bend test.					
Course Outcome 6	Demonstrate acceptable FCAW weld on v-groove plates in the vertical position with multiple passes and perform guided bend test.					
Primary Laker Learning						
Competency	Professional Skills & Ethics: Students demonstrate professional skills and ethical accountability.					
Secondary Laker						
Learning Competency	Information & Technology Literacy: Students evaluate information effectively using the appropriate technological tools.					

^{*}Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to 3-5.