

KELLOGG COMMUNITY COLLEGE

INDUSTRIAL WELDING

2011-2012

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Unit / Module	Number	Packet Title	Credit	Contact Hours	Lab Fees	Tuition	Total Cost
UNIT 1 BASICS OF WELDING							
<input type="checkbox"/>	INWE 1A	WELDING SHOP SAFETY RULES	0.17	4	2.00	26.44	28.44
<input type="checkbox"/>	INWE 1B	IDENTIFY JOINTS, WELDS, & POS	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 1D	MEASUR WITH RULES & SQUARES	0.13	3	1.00	20.22	21.22
UNIT TOTAL			0.43	10	4.00	66.88	70.88
UNIT 2 OXYACETYLENE WELDING							
<input type="checkbox"/>	INWE 2A	DEFIN OXYACETYLENE WELD TERMS	0.17	4	1.00	26.44	27.44
<input type="checkbox"/>	INWE 2B	SET UP OXYACETYLENE WELD STA	0.08	2	2.00	12.44	14.44
<input type="checkbox"/>	INWE 2C	RUN BEADS WITH & WITHOUT FILL	0.29	7	6.00	45.10	51.10
<input type="checkbox"/>	INWE 2D	WELD BASIC JOINTS IN FLAT POSI	1.00	24	30.00	155.50	185.50
UNIT TOTAL			1.54	37	39.00	239.48	278.48
UNIT 3 CUTTING PROCESSES							
<input type="checkbox"/>	INWE 3A	OXY, PLAS, & CARBON ARC CUT PR	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 3B	CUT FER METALS WITH OXY EQUIP	0.33	8	8.00	51.32	59.32
<input type="checkbox"/>	INWE 3C	CUT FER & NON-FER MET WITH PLA	0.33	8	8.00	51.32	59.32
UNIT TOTAL			0.79	19	17.00	122.86	139.86
UNIT 4 BRAZING AND SOLDERING							
<input type="checkbox"/>	INWE 4A	BRAZING BAS JOINTS IN FLAT POS	0.33	8	10.00	51.32	61.32
<input type="checkbox"/>	INWE 4B	BRAZE WELD V-GROOVE BUTT JOINT	0.21	5	6.00	32.66	38.66
<input type="checkbox"/>	INWE 4C	SILVER BRAZING DISSIMIL METALS	0.13	3	8.00	20.22	28.22
<input type="checkbox"/>	INWE 4D	LEAD SOLDERING SEAMS	0.25	6	6.00	38.88	44.88
UNIT TOTAL			0.92	22	30.00	143.08	173.08
UNIT 5 SHIELDED METAL ARC WELDING							
<input type="checkbox"/>	INWE 5A	DEFIN ARC WELD TERMS & DEFINIT	0.17	4	2.00	26.44	28.44
<input type="checkbox"/>	INWE 5C	IDENTI & SEL ELEC FOR S.M.A.W.	0.21	5	17.00	32.66	49.66
<input type="checkbox"/>	INWE 5D	STRIK AN ARC & RUN STRING BEAD	0.67	16	15.00	104.19	119.19
<input type="checkbox"/>	INWE 5E	ANALYZING GOOD WELD CHARACTER	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 5F	MAK MULTIPASS FIL WELDS-FL POS	0.50	12	20.00	77.75	97.75
<input type="checkbox"/>	INWE 5G	INCRE WELD SIZE USING WEAVE TE	0.50	12	9.00	77.75	86.75
<input type="checkbox"/>	INWE 5H	MAKING A CORNER JOINT-FLAT POS	0.67	16	28.00	104.19	132.19
<input type="checkbox"/>	INWE 5J	MAK V-GROOVE BUTT JOI WITH BA	0.50	12	24.00	77.75	101.75
<input type="checkbox"/>	INWE 5K	MAK V-GROOVE BUTT JOI WITHOUT	0.67	16	32.00	104.19	136.19
UNIT TOTAL			4.02	96	148.00	625.14	773.14
UNIT 6 ADVANCED ARC WELDING							
<input type="checkbox"/>	INWE 6A	WELDING TEE JOINTS-VERTICAL UP	0.58	14	24.00	90.19	114.19
<input type="checkbox"/>	INWE 6B	BUTT JOINT WITH BACK PL-VER UP	0.46	11	23.00	71.53	94.53
<input type="checkbox"/>	INWE 6C	BUTT JOINT W/O BACK PL-VER UP	0.75	18	30.00	116.63	146.63
<input type="checkbox"/>	INWE 6D	WELD TEE JOINTS-VERTICAL DOWN	0.29	7	6.00	45.10	51.10
<input type="checkbox"/>	INWE 6E	BUTT JOINT WITH BACK PL-VER DO	0.42	10	9.00	65.31	74.31

continued

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UNIT 6 ADVANCED ARC WELDING (continued)							
<input type="checkbox"/>	INWE 6F	BUTT JOINT W/O BACK PL-VER DO	0.33	8	7.00	51.32	58.32
<input type="checkbox"/>	INWE 6G	BUTT JOINT WITH BACK PL-HORIZ	0.50	12	20.00	77.75	97.75
<input type="checkbox"/>	INWE 6H	BUTT JOINT W/O BACK PL-HORIZ	0.50	12	10.00	77.75	87.75
<input type="checkbox"/>	INWE 6J	WELD TEE JOINTS OVERHEAD	0.50	12	10.00	77.75	87.75
<input type="checkbox"/>	INWE 6K	BUTT JOINT WITH BACK PL-OVER	0.58	14	24.00	90.19	114.19
<input type="checkbox"/>	INWE 6L	BUTT JOINT W/O BACK PL-OVER	0.83	20	32.00	129.07	161.07
UNIT TOTAL			5.74	138	195.00	892.59	1087.59
<input type="checkbox"/>	*INWE C45	SMAW CERTIFICATION			165.00		165.00
UNIT 7 WELDING METALLURGY							
<input type="checkbox"/>	INWE 7A	INTRODUCTION TO METALLURGY	0.46	11	7.00	71.53	78.53
<input type="checkbox"/>	INWE 7B	EXAMINING & IDENTIFYING METALS	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 7C	MET FUND OF WELD & BRAZ CAST	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 7D	MET FUND OF WELD STAINLESS STE	0.13	3	1.00	20.22	21.22
<input type="checkbox"/>	INWE 7E	TESTING METALS	0.42	10	10.00	65.31	75.31
UNIT TOTAL			1.27	30	20.00	197.50	217.50
UNIT 8 GAS METAL ARC WELDING							
<input type="checkbox"/>	INWE 8A	EXPLAINING GAS METAL ARC WELD	0.29	7	3.00	45.10	48.10
<input type="checkbox"/>	INWE 8B	ES ARC & MAK BEADS US G.M.A.W.	0.17	4	4.00	26.44	30.44
<input type="checkbox"/>	INWE 8C	WELD BASIC JOINTS IN ALL POSI	1.67	40	83.00	259.69	342.69
<input type="checkbox"/>	INWE 8D	WELD BAS JOI US GMAW ALUM PRO	0.67	16	70.00	104.19	174.19
UNIT TOTAL			2.80	67	160.00	435.42	595.42
<input type="checkbox"/>	*INWE C40	GMAW/MIG CERTIFICATION			165.00		165.00
UNIT 9 GAS TUNGSTEN ARC WELDING							
<input type="checkbox"/>	INWE 9A	EXPLAIN GAS TUNGSTEN ARC WELD	0.42	10	4.00	65.31	69.31
<input type="checkbox"/>	INWE 9B	START ARC & RUN STRING BEADS	0.42	10	6.00	65.31	71.31
<input type="checkbox"/>	INWE 9C	WELD BASIC JOINTS ALUM FLAT	1.25	30	38.00	194.38	232.38
<input type="checkbox"/>	INWE 9D	WELD BAS JOINTS ON STAINLESS	1.25	30	25.00	194.38	219.38
<input type="checkbox"/>	INWE 9E	WELD BAS JOINTS ALUM OUT POS	1.67	40	53.00	259.69	312.69
UNIT TOTAL			5.01	120	126.00	779.07	905.07
<input type="checkbox"/>	*INWE C41	GTAW/TIG CERTIFICATION			190.00		190.00
UNIT 10 PIPE WELDING							
<input type="checkbox"/>	INWE 10A	IDENTIFYING PIPE WELDING	0.21	5	2.00	32.66	34.66
<input type="checkbox"/>	INWE 10B	WELDING PIPE 2G FIXED POSITION	0.83	20	22.00	129.07	151.07
<input type="checkbox"/>	INWE 10C	WELD PIPE 5G FIXED POSI VER UP	1.25	30	30.00	194.38	224.38
<input type="checkbox"/>	INWE 10D	WELD PIPE 5G FIXED POSI VER DO	1.04	25	25.00	161.72	186.72
<input type="checkbox"/>	INWE 10E	WELD PIPE 6G FIXED POSITION	1.04	25	25.00	161.72	186.72
UNIT TOTAL			4.37	105	104.00	679.55	783.55

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<input type="checkbox"/> *INWE	C43	PIPE WELDING CERTIFICATION			325.00		325.00
UNIT 11 SPECIAL APPLICATIONS							
<input type="checkbox"/> INWE	11A	WELDING BLUEPRINT READING	0.17	4	1.00	26.44	27.44
<input type="checkbox"/> INWE	11B	FABRICATING A PROJECT	0.50	12	30.00	77.75	107.75
<input type="checkbox"/> INWE	11C	CAST IRON REPAIR	0.17	4	10.00	26.44	36.44
<input type="checkbox"/> INWE	11D	HARDSURFACING	0.17	4	10.00	26.44	36.44
<input type="checkbox"/> INWE	11E	TOOL & DIE WELDING	0.67	16	40.00	104.19	144.19
UNIT TOTAL			1.68	40	91.00	261.26	352.26
PROGRAM TOTAL			28.57	684	1779.00	4442.83	6221.83

SPECIAL PROJECT MODULES (must have instructor approval to register)

<input type="checkbox"/> *INWE	C72	BASIC WELDING PROJECT					70.00
<input type="checkbox"/> *INWE	C74	INTERMEDIATE WELDING PROJECT					140.00
<input type="checkbox"/> *INWE	C76	ADVANCED WELDING PROJECT					210.00

*Module(s) cannot be paid for using certain types of financial aid. Please direct all inquiries to the staff at the RMTC registration desk.

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____
 Total Credit _____ Total Contact _____ Total Cost _____