MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT.	ELEC					COURS	ΕN	UMBE	R:	1240	
NUMB	ER OF	CREDIT	ΓS: 5			Lecture:	1	Lab:	4	OJT:	0
Cours	e Title:										
Comme	ercial Wir	ing									
Catalo	og Desci	ription:									
comme	rcial blue _l	prints. Perf	gates the mar form voltage ements of the	-drop calcul	lations,	motor calc	ulati	ons and	serv		
Prerece ELEC 1		or Neces	ssary Entr	y Skills/K	Knowle	dge:					
☐ Goal 1 ☐ Goal 2 ☐ Goal 3 ☐ Goal 4 ☐ Goal 5 competer ☐ Goal 6 ☐ Goal 8 ☐ Goal 8	1: Commu 2: Critical 3: Natural 4: Mathen 5: History ncies: 6: The Hu 7: Human 3: Global	nication: Thinking: Sciences: natics/Logi and the Sc manities and Diversity: Perspective and Civic	By meeting to By meeting By meeting ical Reasonir ocial and Behand Fine Arts: By meeting e: By meeting Responsibility invironment:	the following the following: By meeting the following the	ing comping coming the tiences: If the form the tiences is the form the tiences is the tiences in the tiences is the tiences in the tiences is the tiences in the tience	petencies: petencies: petencies: following of By meeting flowing co petencies: mpetencies following of	the mpe	followin tencies:	g		
Topics	s to be (Covered									
	ercial blue	•									
			current, and g		t short c	circuit prote	ectio	n			
Comme	ercial wiri	ng method	ls and materia	als							
Studen	nt Learı	ning Out	comes								
Exhibit	safe work	practices									
Identify	Commer	cial drawi	ng symbols								
			tion factors								
Calcula	te voltage	dron									

Perform motor calculations
Perform box size calculations
Describe parallel conductor installation
Install a variety of commercial wiring methods
Install lighting and appliance circuits
Apply National Electrical Code requirements
Is this course part of a transfer pathway: Yes \square No \boxtimes
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Revised Date: 02/14/2020