MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. ELEC	COURSE NUMBER: 1200
NUMBER OF CREDITS: 5	Lecture: 2 Lab: 3 OJT 0
Course Title:	
Residential Wiring I	
Catalog Description:	
,	, general safety, the use and care of hand tools, idential wiring. Apply National Electrical Codes ethods for residential wiring.
Prerequisites or Necessary Entry Skil	ls/Knowledge:
None.	10/1110
FULFILLS MN TRANSFER CURRIC applicable)	CULUM AREA(S) (Leave blank if not
☐Goal 1: Communication: By meeting the foll	owing competencies:
☐Goal 2: Critical Thinking: By meeting the fo	llowing competencies:
☐Goal 3: Natural Sciences: By meeting the fol	lowing competencies:
☐Goal 4: Mathematics/Logical Reasoning: By	meeting the following competencies:
☐Goal 5: History and the Social and Behaviora	
competencies:	, , , , , , , , , , , , , , , , , , ,
☐Goal 6: The Humanities and Fine Arts: By mo	eeting the following competencies:
☐Goal 7: Human Diversity: By meeting the fol	
□Goal 8: Global Perspective: By meeting the fo	2 2
□Goal 9: Ethical and Civic Responsibility: By	
☐ Goal 10: People and the Environment: By me	
Topics to be Covered	
National Electrical Code for residential wiring	
Box fill calculations	
Service calculations	
Student Learning Outcomes	
Identify wiring symbols	
Calculate box fill	
Install GFCI protected outlets	
Install exhaust fons	

Calculate floor area					
Apply National Electrical Code					
Install NM cables					
Describe grounding requirements					
Describe switch operations					
Install various light switches					
Install recessed light fixtures					
Make pigtail splices					
T .7.4	•	. •			

Is this course part of a transfer pathway:	Yes	No	
*If yes, please list the competencies below			

Revised Date: 1/1/2022