MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. ELUT	COURSE NUMBER: 1105			
NUMBER OF CREDITS: 3	Lecture: 2 Lab: 1 OJT			
Course Title:				
Blueprint, Schematics and Transit				
Catalog Description:				
Blueprint, Schematics and Transit covers the use an	1			
diagrams, and the symbols and abbreviations used in				
fundamentals for set-up, operation and use of a trans	sit mounted on a tripod or other base.			
Prerequisites or Necessary Entry Skills/Ki	nowledge:			
None				
FULFILLS MN TRANSFER CURRICULI	· ·			
☐Goal 1: Communication: By meeting the following	g competencies:			
☐Goal 2: Critical Thinking: By meeting the following	ng competencies:			
☐Goal 3: Natural Sciences: By meeting the following	ng competencies:			
☐Goal 4: Mathematics/Logical Reasoning: By meeti	ng the following competencies:			
☐Goal 5: History and the Social and Behavioral Scie	ences: By meeting the following			
competencies:				
☐Goal 6: The Humanities and Fine Arts: By meeting				
☐ Goal 7: Human Diversity: By meeting the following	g competencies:			
☐Goal 8: Global Perspective: By meeting the follows	ing competencies:			
☐Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:				
\square Goal 10: People and the Environment: By meeting	the following competencies:			
Topics to be Covered				
Blueprint and map readings, electrical drawings and	symbol identifications			
Set up and use a transit.	symbol identifications.			
Set up and use a transit.				
Student Learning Outcomes				
Measure elevations around the school with use of tra				
Draw the following diagrams: one-line, elementary,				
Prepare staking sheets: both single-phase and three-				
Prepare electrical drawings from instructor instruction				
Draw electrical power system substation plans which				
elevation, grounding layout and details, conduit insta	allations details, electrical equipment			
layout, electrical floor plan and lighting plan.				

Is this course part of a transfer pathway:	Yes	No	\boxtimes

Revised Date: October, 2020