MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. WELD	COURSE NUMBER: 1270			
NUMBER OF CREDITS: 2	Lecture: 2 Lab: 0 OJT: 0			
Course Title:				
Testing Codes and Inspection				
Catalog Description:				
Testing Codes and Inspection describes the differe weldment testing. Emphasis will be placed on major welding industry specifically the American Welding the American Welding Society Codes.	or national welding codes that govern the			
Prerequisites or Necessary Entry Skills/I	Knowledge:			
None	9			
FULFILLS MN TRANSFER CURRICUI	LUM AREA(S) (Leave blank if not			
applicable)	•			
☐Goal 1: Communication: By meeting the followi	ng competencies:			
☐Goal 2: Critical Thinking: By meeting the follow	ving competencies:			
☐Goal 3: Natural Sciences: By meeting the follow	ring competencies:			
☐Goal 4: Mathematics/Logical Reasoning: By mee	eting the following competencies:			
☐Goal 5: History and the Social and Behavioral Sc				
competencies:	, ,			
\Box Goal 6: The Humanities and Fine Arts: By meeting	ng the following competencies:			
Goal 7: Human Diversity: By meeting the following competencies:				
☐Goal 8: Global Perspective: By meeting the follo				
☐Goal 9: Ethical and Civic Responsibility: By mee				
\square Goal 10: People and the Environment: By meetin				
Topics to be Covered				
Differences between destructive and non-destructi	ve testing			
The common discontinuities and the non-destructive				
Mechanical or destructive testing methods	To memous of focuting them			
Why welds are tested				
How to evaluate welds for compliance with a give	n standard or code			

Student Learning Outcomes			
Differentiate between mechanical or destructive and non-destructive testing.			
Identify common discontinuities and non-destructive methods of locating them.			
Describe how three mechanical or destructive methods are performed.			
Provide reasons why welds are tested.			
Evaluate a weld for compliance with a given American Welding Society standard or code.			
Demonstrate a technical understanding of the testing, codes and inspection process.			

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

Revised Date: 3/29/2022