MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT.	RNEW	COURSE NUMBER: 1100
NUMB	ER OF CREDITS: 3	Lecture: 3 Lab: 0 OJT 0
	e Title:	
	Dynamics	
Catalo	og Description:	
energy environ scientifi process	through temperature and pressure and ment. An explanation and understand ic principles of flow, temperature, pr	th deal with physical forces and their relationship to d are frequently encountered in an operation plant ding of a plant system is crucial to this course. The essure heat, gasses, liquids, solids, fluid systems, red in detail. The curriculum of this course
D		211 - 177 1 - 1
	quisites or Necessary Entry Sl	alls/Knowledge:
None		
### Applica ### Goal 1 ### Goal 2 ### Goal 3 ### Goal 5 ### Competer ### Goal 6 ### Goal 7 ### Goal 8 ### Goal 9 #	ble) 1: Communication: By meeting the formulation: By meeting the formulation: By meeting the formulation of	following competencies: following competencies: By meeting the following competencies: oral Sciences: By meeting the following meeting the following competencies: following competencies:
	s to be Covered	
Mathen		
Chemis		
Physics Machin		
Fluid S		
	Variables and Measurement	
Heat	, minores and mensurement	

Elements of Control Systems		
Statistical Process Control		
Process Sampling		
Student Learning Outcomes		
Describe the principles of temperature, pressure and flow, and the relationships that exist		
between them.		
Identify fluid systems and discuss environmental factors that affect them.		
Explain heat and heat transfer.		
Describe process variables and process variable measurement		
Explain the operators' responsibilities in processing plants.		
Is this course part of a transfer pathway: Yes □ No ☒		
*If yes, please list the competencies below		

Revised Date: 1/1/2022