MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE **COURSE OUTLINE**

DEPT. AGRI	COURSE NUMBER: 1102
NUMBER OF CREDITS: 3	Lecture: 2 Lab: 1 OJT: 0
Course Title:	
Principles of Agronomy	
Catalog Description:	
Principles of Agronomy explores the principles and pract	
applied to increasing productivity and improvement of f	* *
selection and improvement through the breeding of crop	
growth and development, crop production hazards, and t	the narvest and storage of field crops.
Buonaguigitas on Nagassamy Entry Skills/Knay	wladga.
Prerequisites or Necessary Entry Skills/Knov	vieage:
None	
EU EU CMN TDANGEED CUDDICUI UM	IADEA(C)
FULFILLS MN TRANSFER CURRICULUM	
Goal 1: Communication: By meeting the following com	•
□Goal 2: Critical Thinking: By meeting the following co	1
☐Goal 3: Natural Sciences: By meeting the following con	mpetencies:
☐Goal 4: Mathematics/Logical Reasoning: By meeting th	e following competencies:
☐Goal 5: History and the Social and Behavioral Sciences:	: By meeting the following competencies
☐Goal 6: The Humanities and Fine Arts: By meeting the	following competencies:
□Goal 7: Human Diversity: By meeting the following cor	npetencies:
☐Goal 8: Global Perspective: By meeting the following co	-
☐Goal 9: Ethical and Civic Responsibility: By meeting th	-
□Goal 10: People and the Environment: By meeting the fo	
and the Divisorment. By meeting the I	onowing competences.
Topics to be Covered	
Plant Science and Human Welfare	
Origin and Classification of Field Crops	
Adaptation and Distribution of Field Crops	
Varietal Selection and Improvement	
Crop Propagation	
Crop Nutrition	
Maturation, Harvest, and Storage	
Crop Pests	

Student Learning Outcomes Identify plant anatomy and functions. Classify and identify field crop plants and seeds.

Explain the impact of food, fuel, and fiber crops to humankind and their distribution.	
Describe plant physiology systems and how they relate to plant growth and environment.	
Explain plant breeding systems and genetic improvement.	
Describe crop production systems.	
Collect and Identify crop pests and control methods.	
Analyze crop nutrition and its relationship with soil fertility.	
Describe proper harvest timing and storage techniques.	
Is this course part of a transfer pathway: Yes □ No ☒	

Revised Date: 6/2021