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

DEPT. AGRI	COURSE NUMBER: 1103
NUMBER OF CREDITS: 3	Lecture: 2 Lab: 1 OJT: 0
Course Title:	
Introduction to Soil Science	
Catalog Description:	
Introduction to Soil Science introduces students to classification of soils. This includes the physical soils, soils as a medium for plant growth, elementary and animal life in the soil.	, chemical, and biological properties of
Prerequisites or Necessary Entry Skills/	Knowledge:
None	3
FULFILLS MN TRANSFER CURRICU □Goal 1: Communication: By meeting the following and 2: Critical Thinking: By meeting the following use of the following use	ng competencies: ving competencies: ing competencies: eting the following competencies: iences: By meeting the following competencies ing the following competencies: ing competencies: wing competencies:
□Goal 10: People and the Environment: By meetin	
Topics to be Covered	
The Importance of Soil	
Soil Origin and Development	
Physical Properties of Soil	
Soil Water	
Soil and Water Conservation	
Organic Matter	
Life in the Soil	
Government Agencies and Programs	

Student Learning Outcomes

Describe the physical and chemical composition of soil.

Explain the processes soil formation

Explain the importance of soil for life and the environment.

Identify types of soils	
Classify soils based on their texture.	
Analyze soil pH and its relationship to plant growth.	
Analyze soil nutrients and its relationship to plant growth.	
Explain the importance of good soil structure and its relationship to healthy soils.	
Evaluate best management practices for soil and water conservation.	
Describe the forms of soil water and its relationship to plant growth.	
Is this course part of a transfer pathway: Yes □ No ☒	

Revised Date: 7-15-2020