

Course Outline for **SFP1100 — Principles of Sustainability**

Credits: 3 (3/0/0)

Description: Meets MnTC Goal Area 10. This course is a study of sustainability utilizing the principles of permaculture and holistic resource management.

Prerequisites: (None)

Corequisites: (None)

Competencies:

1. Define indicators of sustainability.
2. Discuss the principles of permaculture.
3. Illustrate the concept of polyculture.
4. Explain the function and processes of plants, animals, and humans in a defined ecosystem.
5. Discuss how agriculture can mimic the processes found in natural ecosystems.
6. Outline specific strategies for sustainable food production in an integrated system.
7. Illustrate the connections between community institutions and sustainable food production.
8. Use permaculture concepts to design a sustainable landscape.
9. Evaluate your personal role in creating and maintaining a sustainable landscape.
10. Use the premises of holistic resource management to design a sustainable food production enterprise.

Goal Areas: (10) People and the Environment