**Introduction to Soils and Plant Growth**

**Course Outcome Summary**

**Course Information:**

**Organization:** Minnesota State  
**Developers:** FBM Curriculum Review Team  
**Course Number:** SCMT 1116  
**Type of Instruction:** Individualized  
**Total Credits:** 2.0  
**Total Hours of Instruction:** 2.0

**Description:**

This course will provide students with an understanding of soil types, their characteristics and which crops will grow best on their soils. Students will learn how to manage soils to achieve desired plant growth by using nutrient management techniques appropriate to specific soil types and crop growth needs.

**Course Outcomes:**

1. Identify soil types
2. Identify the mineral elements needed for plant growth
3. Interpret site selection criteria
4. Describe the effects of nutrient deficiencies on plant growth
5. Describe the relationship of nutrients to plant growth
6. Explain the benefits of proper soil management
7. Explain the benefits of soil organic matter