**Irrigation Planning and Management**

**Course Outcome Summary**

**Course Information:**

**Organization:** Minnesota State  
**Developers:** FBM Curriculum Review Team  
**Course Number:** SCMT 1124  
**Type of Instruction:** Individualized  
**Total Credits:** 2.0  
**Total Hours of Instruction:** 2.0

**Description:**

This course covers the selection, design and management of irrigation systems appropriate to specialty crops. Students will learn the advantages of using a drip system versus using impact sprinklers or micro sprinklers. The unique water needs of various specialty crops and soil types will be covered.

**Course Outcomes:**

1. Select from different types of irrigation systems
2. List criteria for selecting a specific irrigation system
3. Identify crop water use relative to crop development and maturity
4. Identify soil water holding capabilities of specific soils
5. Calculate appropriate irrigation
6. Design an irrigation system for optimum crop production