Environmental Landscaping Design
2 pH meters and electrode Holder. Oakton 15W1545 and 15W 1546 respectively(from Ward's Natural Science) $2532
Shared with Biology

Instruction
The instruction for the students will be greatly enhanced. The classes that use this equipment for instruction, such as soils, landscape ecology, organic farming, introduction to environmental landscaping cannot be adequately taught without this equipment.

The Class Outlines for the classes mentioned above, include SLO's that to be fulfilled pH meters must be available. The classes that use this equipment are necessary for the students to complete their certificates.

SLOs
This equipment is needed to accomplish specific SLO's in the the Class Outlines for the classes listed above.
(From the Soils class)
Distinguish soil conditions and types conducive to healthy landscapes, farms and gardens.

B. Recognize various physical and biological soil constituents.
C. Describe how soils form and evolve.
D. Describe interactions between soil properties and water and nutrient cycles.
E. Discuss the behaviour of plant nutrients in the soil.
F. Analyze the effect of soil manipulations on soil properties and plant growth.
G. Interpret the results of a soil analysis.
H. Discuss the properties of various fertilizers.
I. Propose sustainable soil management.
J. Conduct research to find information about soil properties.

Assessment
When students take the classes for which this equipment is needed, instructors will assess how well the SLO's were achieved by the students that used this equipment.

Other
This equipment could be shared with the Biology Department to teach general biology laboratories, soils, and microbiology.