

Create and maintain an infrastructure that supports our teaching and research plans. (*Build it, they will come.*)

High Priority, 2004-2005 tasks

Hire a 6th faculty member.

A successful search for Charles' replacement in 2004-2005 is vital to stabilize our curriculum and allow us to move forward with this plan.

Establish a tutoring center staffed by students.

This serves both the students in introductory courses who know they can get help with their homework in the evenings and for the majors who learn by explaining.

Create a network and software structure that fosters efficient laboratory computer use. Awkward and slow computers frustrate students and faculty and slow learning.

Secondary priority, multi-year tasks

Organize and enhance the demo equipment.

Our demonstration and lab equipment needs organization, evaluation and updating. This is a long-term project that has begun with a cleaning out of out of date equipment.

Secondary priority, 2005-2006 tasks

Reconsider and rewrite department policies to reflect current mission, vision and goals.

The department policies have fallen behind the current thinking of the department and need to be updated.

Ensure each faculty member has an instructional laptop.

This goal is related to the new instructional techniques that have been instituted in the department. In order to make the best use of them, each faculty member needs to have a laptop computer dedicated for their instructional use

Study the staffing needs of the department.

In order for the department to return to the service level of a few years ago and to offer the BS degree, it may be necessary to have additional instructional staff. This question will be investigated after we have hired our 6th faculty position and analyzed teaching schedules.

Purchase laptops for use in the electronics courses 120, 326, 351.

These courses currently use CNS 208 for most of the semester since the electronic equipment and stock room is adjoining. However, for part of the course, computer data acquisition and analysis is needed and the class must move to the computers in CNS 204. This takes much time and requires both rooms to be available for the lab sections of these classes. The solution is to purchase ten laptop computers for CNS 208 that can be brought out when necessary for the classes.

Move 101, 102 lectures to CNS.

The lectures for Ph 101/102 are currently in Textor, which precludes the use of many interesting demonstrations in class. Holding these classes in CNS would allow a much more active and interesting class. One way this could happen is by creating the performance-based physics classroom.