



Interactive Biology - Microsoft Office OneNote 2003

File Edit View Insert Format Tools Window Help

Penn State Behrend HP Tablet PC Project

Friday, February 03, 2006

Interactive Biology

Quick Facts

Biology 129, Mammalian Anatomy
Biology 141, Introductory Human Physiology

Student Involvement:
72 students during the first full year (32 from BIOL 129 and 40 from BIOL 141)

Abstract

Traditional biology classes are taught through separate lectures and lab experiments, where students have little opportunity to access lab materials for study outside of lab time. As a result, students have difficulty synthesizing course materials between lecture and lab.

Using tablet PCs aids in the learning process by integrating lectures with experiments, and giving students anytime, anywhere access to their study materials.


Student Comments

“The ink annotations allowed us to use different colors to show the difference between the flows of oxygenated and deoxygenated blood through the veins and arteries.” - Sarah


“It is fantastic that I can take a picture of what we are doing in lab and then label it for a study guide!” - Chris

Expected Outcomes

1. A more in-depth knowledge of the structure and function of the human body.
2. Better synthesis of information demonstrated when solving case studies in class.
3. Ability to transfer information in applied settings (such as students who work as emergency medical technicians).



Lisa Mangel, Biology Professor
Carla Torgerson, Instructional Designer
Qi Dunsworth, Instructional Designer
Thomas Wortman, Assessment Expert



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