

Tablet PC Use Revolutionizes Teaching and Student Learning

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What Is a Tablet PC?

- A portable computer you write on
- Uses a special pen
 - Utilizes digital ink technology
 - Can be calibrated for individual users
 - Performs "mouse" functions
 - Use to write and erase handwritten text
- Offers unique screen features
 - Screen swivels to change orientation
 - LCD touch screen receives pen input
- Provides an input panel
 - Uses an on-screen keyboard
 - Converts handwriting to text
 - Takes vocal commands and dictation
 - Converts speech to text
- Windows Journal allows you to
 - Write directly into a document
 - Search and organize your handwriting
 - Import Microsoft files for annotation
 - Insert images for annotation
 - Acts as an electronic Whiteboard
 - Save and print or publish online

Learning to Use Tablet PC

- Librarians learned from one another
 - train the trainers approach
- Identified key players from School of Medicine, Colleges of Health, Nursing, and Pharmacy
- Formed a Tablet PC Pilot Group
 - Members promoted tablet with colleagues

Tablet PC Utilization

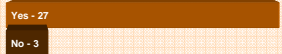
- Initially purchased 26 Toshiba with built in keyboard
- Based on faculty input, purchased 40 additional devices
- 65 unique users
- 427 checkouts from July 2005-present
- 13 faculty training sessions to 59 faculty, plus consultations



Initial Faculty Survey

Conducted March 2, 2007—30 responses
 Surveyed all 65 faculty who checked out a Tablet PC from July 2005 to February 2007. The survey was designed to identify the most useful tablet feature.

1. Did you use a Tablet PC for teaching?



2. How often did you use the Tablet PC for teaching?



3. What Tablet PC features did you use in the classroom.



4. General comments

"Although I am using only a limited number of features I like teaching with a Tablet PC very much and I believe it is beneficial in regards to student/teacher interaction, classroom discussion and student attention."

Faculty Focus Group

Conducted March 27, 2007—4 attendees

General Comments

- Generally positive experiences
- Tablet has a learning curve
- Grabs student's attention- the wow factor
- Invites spontaneity
- Allows for unique Interaction between faculty, students and material
- Using pen helps faculty pace the presentation
- Tablet whiteboard has advantages over a conventional whiteboard or document camera
 - EMR pen doesn't dry out
 - increased display size makes content easier to view in a large classroom
 - faculty don't have to adjust the lights or turn their back to the class
 - content can be saved and posted for student review
- Lecture notes can easily be cleaned up before reusing and posting

Reported Uses of the Tablet

- Large group lectures
- Small group discussions
- Hands-on training
- Just-in-time learning
- Continuing Education
- Journal Clubs
- Patient education
- Clinical setting
- Conferences

Direct Quotes

"The tablet is the best invention since sliced bread!"

"...what was really neat ... I would annotate my own pictures. So the students knew what were the important features."

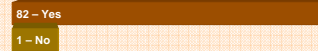
"But it [annotation] really does help people ... who are more visually orientated."



Student Survey

Conducted March 29, 2007 – 83 responses
 Surveyed approximately 320 students

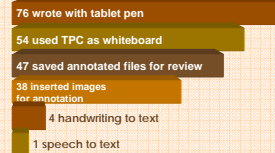
1. Did your instructor's use of the Tablet PC enhance your learning?



2. Did having annotated material accessible on a website improve your test results?



3. What tablet features did you like?



4. What tablet features did you not like?



5. Other comments

- "... use of the tablet pc made the material clear and easier to follow."
- "I could follow along with what the instructor was writing/drawing so it made it more interactive and helped me learn faster."
- "It was extremely helpful to have the instructors mark on the diagrams and pictures which we could access online."

What We Learned?

Tablet PC has a learning curve

- The Tablet PC has a learning curve of about a semester or two, but once comfortable, found it highly useful and user-friendly; the training provided by the Eccles Library and ease of checkout made all the difference."

Time Issues

- "I would love to learn about some of these other features that I have not used yet."

Faculty support needs

- One-on-one mentoring
- Working with course directors at point of need
- Outreach – working with faculty in their offices
- Contact instructors before semester begins
- Department meeting presentations

Tablets have been a good investment

- Tablets have been well used
- Faculty perceive that tablet use actively engages students in learning
- Students perceive that faculty use of tablets has improved learning
- Librarians have a prominent role in training faculty to use teaching technologies
- Librarians have a continuing and significant role in implementing teaching technologies

Future Plans

- Market tablets availability directly to faculty
- Market training service provided by librarians
- Revise tablet training program to meet faculty needs
- Explore the ModBook by Axiotron: the Mac solution
- Investigate new technologies

