## **TabletPCs in a Freshman Engineering Course:** Lectures and Discussions



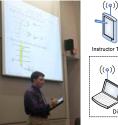
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We have redesigned a large freshman level course on Digital Design leveraging TabletPC technology to improve student learning and participation. We use HP mobile technology to encourage active learning and to perform formative assessment. Student surveys show a positive reception of this technology, good learning experiences, and a preference for TabletPCs over traditional instructional methods.

## TabletPCs in the Classroom

The goal of using TabletPCs in this large course (120 students) is to increase interactivity and give individual attention to each student. We use the HP TabletPC classroom setup and Classroom Presenter software.

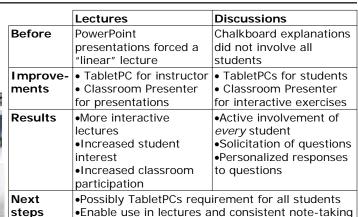


Assessment Results



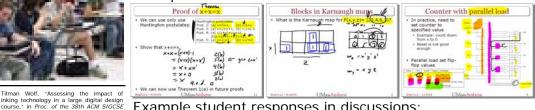




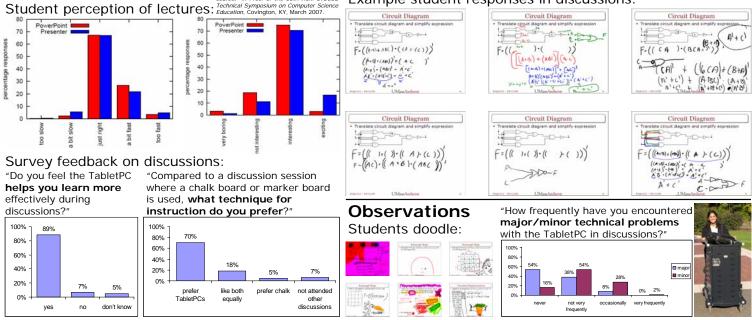


## Examples from the Classroom

Example lecture slides:



## Example student responses in discussions:



Keywords: engineering, computer engineering, digital logic, undergraduate education