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
Student perception of lectures:

Survey feedback on discussions:
“Do you feel the TabletPC helps you learn more effectively during discussions?”

Example lecture slides:

“Compared to a discussion session where a chalk board or marker board is used, what technique for instruction do you prefer?”

Example student responses in discussions:

Observations
Students doodle:

“How frequently have you encountered major/minor technical problems with the TabletPC in discussions?”

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