

National Defense University Information Resources Management College



The Agile Classroom: Can Syncing Enterprise Data with Mobile Devices Get Us There?

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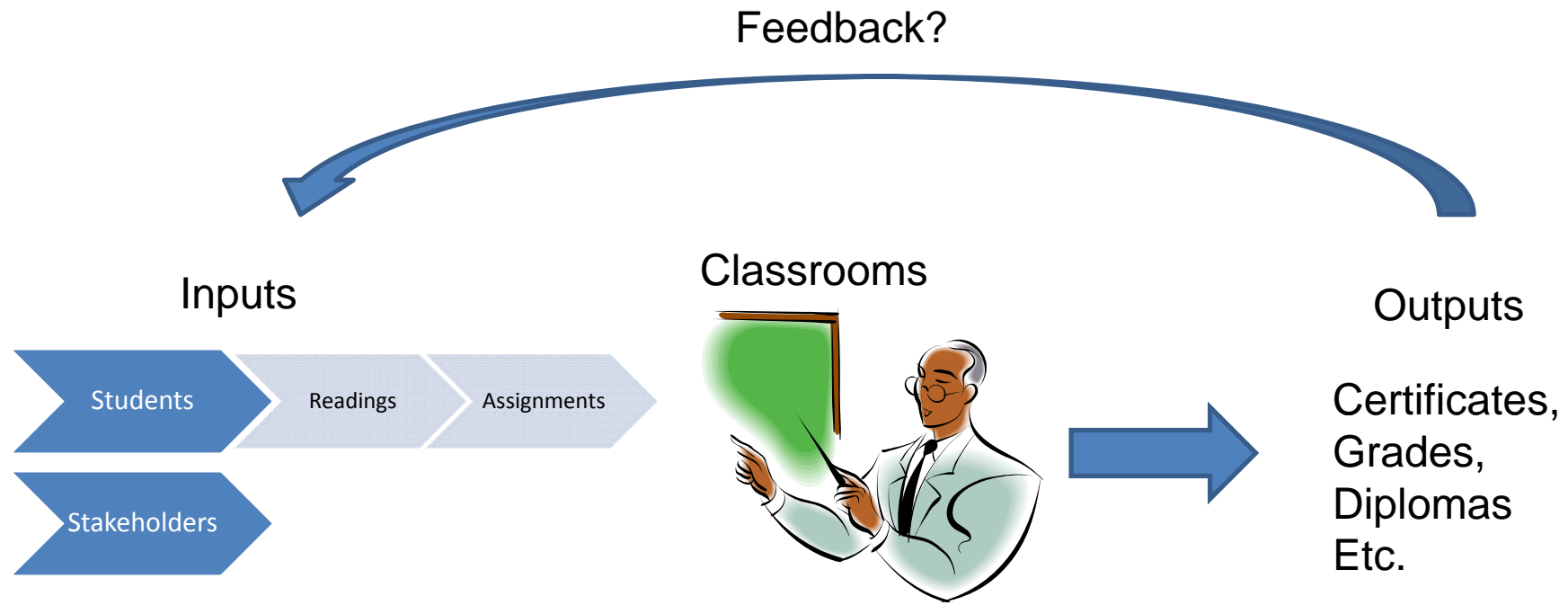
Current status of education

- Vision of learners today film clip

<http://www.youtube.com/watch?v=dGCJ46vyR9o>



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An "agile classroom"

- Uses Information Technology (IT):
 - Gulf between advanced users of IT and typical users of IT is growing.
 - 4 practices of high performing organizations:
 - Make use of improved measurement,
 - Greater use of field experiments,
 - More use of Information sharing,
 - Replication of innovations.

Source: Brynjolfsson, E., Innovating with Business Data, retrieved from <http://www.technologyreview.com/video/?vid=664> on April 12, 2011.



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An "agile classroom"

—Where are the agile classrooms

- MIT “TEAL”, <http://web.mit.edu/edtech/casestudies/teal.html>
- Stanford’s Wallenberg Hall, <http://scil.stanford.edu/news/TKTW.html>
- iCollege of the NDU, all readings in electronic form, many classes issue Amazon Kindles which contain assigned readings.



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An "agile classroom"

- Uses Technology that students already use.
 - Smartphones (which are near learners 24 hours a day):
 - Increased interactivity.
 - Records inputs for further analysis:
 - What are common mistakes,
 - What are the attributes of successful learners.
 - Social Media
 - Automatically generated “tweets” when students begin and end readings;
 - Automatically generated “tweets” when students submit assignments.
 - Students who did well in course “101” also did well in course “220.”
 - These are examples of “classroom” experiments.

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An "agile classroom"

- Uses some technology that students do not already have.
 - Management Dashboards
 - Measure student's performance;
 - How much reading on average did the class do versus how much did I do?
 - How many inputs to on-line discussions did I submit versus my colleagues?
 - When did I submit assignments?
 - Measure professor's:
 - Currency of readings;
 - Feedback: how long did it take for students to get feedback on assignments?



- Education needs to use more Information Technology.
- The Information Technology used in the classroom should be technology that learners already use.
- The Information Technology used in the classroom should be the technology used in the workplace.
- Metrics should be gathered on student performance, instructor performance, and stakeholder performance. Results should be used as feedback to improve the current system.

Questions and Comments



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