



HARVARD UNIVERSITY
Information Technology

Teaching and Learning Technologies (TLT)

Update to CIO Council

May 16, 2015 | 2:00 – 3:30 | Chao Center | HBS

Agenda

1. Provide high-level program summary.
2. Discuss platform offering for executive education.
3. Review HUIT / School Canvas partnership for FY17.
4. Discuss vision and progress on data for learning analytics.
5. Answer questions.

High-Level Program Summary

#	Work Stream	Current Work	Status
1	Provide Core Teaching and Learning Technologies	<ul style="list-style-type: none"> Running Canvas for degree programs and informal learning experiences. Running second instance of Canvas for executive education. Engaging in work related to iSites sunset. 	GREEN
2	Support Pedagogical Innovation and Research on Learning	<ul style="list-style-type: none"> Validating Canvas data in support of educational research. Exploring ability to extract course analytics that represent both web and mobile. 	GREEN
3	Establish Harvard Teaching and Learning Community	<ul style="list-style-type: none"> Recently hosted spring Coffee & Canvas event. Planning May Canvas Governance Group meeting and end-of-term celebration. Participating in HILT's Teaching and Learning Consortium meetings and events. 	GREEN
4	Cultivate Developer Community	<ul style="list-style-type: none"> Planning spring academic developer community meeting. 42 third-party LTI tools in use spring term. 31 custom LTI tools built by 10 groups to date. 	GREEN
5	Deliver Program	<ul style="list-style-type: none"> Extending TLT ITCRB budget for FY17 to finish iSites platform sunset work and transition back into operations. 	GREEN
6	AcTS activities	<ul style="list-style-type: none"> Collaborating on re-integration planning and AcTS 2.0. 10% (528) of standard iSites remaining to migrate or retire. 	GREEN

Platform Offering for Executive Education

Challenge: Harvard does not currently have a centrally offered, fully supported platform offering to Schools for executive education.

Landscape:

- Most Harvard schools have executive education programs, all poised for rapid growth in the next few years.
- HUIT has informally supported executive education in the past (iSites, residential Canvas + XID, Catalog pilot).
- All Schools are using / supporting Canvas for residential teaching and learning.
- (Schools are exploring / offering other extended learning experiences, only a small portion of which are being facilitated by HarvardX.)

Proposed Solution: HUIT offers a separate hosted instance of Canvas to Schools specifically for executive education.

Key Benefits:

- Canvas + extensibility through LTI will meet most needs.
- More cost- and resource-effective than each school trying to provide on their own.
- Ease of transfer of materials between faculty's residential course and executive education.
- Schools and HUIT can focus on a single platform in which to build expertise.

Next Steps:

- ✓ Review proposed solution with Canvas Governance Group.
- ✓ Compile expected monthly FY17 executive education site traffic across the schools.
- ❑ Determine cost / license agreement with Instructure for both platform and for tier 1 support (free through December).
- ❑ Validate support with School IT stakeholders.
- ❑ Scope AcTS 2.0 workload to develop feed process (note: may require School work).

HUIT / School Canvas Partnership for FY17

Area	HUIT	School
License agreements	<ul style="list-style-type: none"> Negotiate terms of University-wide license agreement, including additional University-wide LTI tool license costs Provide guidance on School-specific LTI tool license agreements 	<ul style="list-style-type: none"> Abide by terms of University-wide license agreement With consultation from HUIT, negotiate terms of School-specific LTI tool license agreements
Costs	<ul style="list-style-type: none"> Shoulder cost of University-wide agreements for residential instance 	<ul style="list-style-type: none"> Shoulder cost of School-specific agreements (e.g., LTI licenses) Shoulder cost of potential additional resources Shoulder potential per-learner cost for executive education
Custom development and integration	<ul style="list-style-type: none"> Integrate with Harvard systems Build LTI tools and integrations to support University-wide needs Consult on development of LTI tools for School-specific needs 	<ul style="list-style-type: none"> With consultation from HUIT, develop School-specific LTI tools Build tools and integrations to support School-specific systems
Documentation and training	<ul style="list-style-type: none"> Provide training for School instructional support staff Provide Schools and central IT help desk with documentation Provide source materials for use in School-specific training Provide structure sharing of School-created training materials 	<ul style="list-style-type: none"> Consult with faculty and support staff on best practices around Canvas use Conduct School-specific training Share School-created training materials with HUIT for University-wide use
Support	<ul style="list-style-type: none"> Coordinate and shoulder costs for tier 1 support for degree program use through Instructure Provide tier 3 support Escalate issues and feature requests to Instructure 	<ul style="list-style-type: none"> Provide tier 1 and 2 support to end users Escalate tier 3 to HUIT for deeper investigation and / or potential escalation to Instructure
Engagement	<ul style="list-style-type: none"> Regularly engage with a School liaison that represents all School-specific academic technology needs (e.g., residential, executive education, informal learning experiences) 	<ul style="list-style-type: none"> Provide a single School liaison who collects issues, requests, and questions that represents all of School's academic technology needs for discussion with HUIT liaison
Feature enhancements	<ul style="list-style-type: none"> Engage with Instructure on platform code enhancements 	<ul style="list-style-type: none"> Participate in Canvas community forums to help set priority for feature requests
Evaluation	<ul style="list-style-type: none"> Conduct ongoing evaluation 	<ul style="list-style-type: none"> Participate in ongoing evaluation

Data for Learning Analytics

The Vision

Ensure seamless access to data and the strategies and tools to employ data to improve learning outcomes, enhance educational and institutional research, and inform policy and governance decisions.

Strategic Objectives

- Make data from core teaching and learning technologies available to the Harvard research community.
- Provide faculty with access to course analytics that represent complete student digital experience across platforms and accessed via both web and mobile.
- Forge strategic partnerships with teaching, learning, and research colleagues to accomplish goals.
- Align initiative goals with institutional priorities related to teaching, learning, and research.

Guiding Principles

- Communicate and socialize initiative across the University.
- Balance need to move quickly with thoughtful planning.
- Seek early and continuous input from faculty, researchers, and leadership.
- Leverage resources beyond Harvard to accelerate ability to deliver solutions.
- Focus on open architectures and open data to enable flexibility, integration, and interoperability.

Key Performance Indicators

- Usable data from teaching and learning activities is available for educational and institutional research.
- Faculty have access to complete course analytics.
- Meaningful engagement takes place with teaching, learning, and research partners.
- Initiative priorities support institutional priorities, especially those related to advancing the science of learning.

Questions? Comments?
Thank you.

Kristin Sullivan, Program Director

