

IMPLEMENTATION

GRANTS & AWARDS

- Teaching with Technology Institute dedicated to IT
- 7 other competitions open to IT proposals
- \$300,000 awarded per year, funding 90–100 faculty (40% IT)
- Grants range from \$500–\$15,000

CONSULTATION

- Selection, implementation and evaluation of technologies for teaching
- New ways of teaching with technology
- Design and development of instructional materials



CRLT

Center for Research on Learning and Teaching

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Promoting Innovative & Effective Use of Instructional Technology

SUCCESS STORY

GOOGLE FACULTY LEARNING COMMUNITY

- JANUARY 2011** Google Apps for Education wins bid for a campus-wide collaboration suite of tools.
- SPRING 2011** CRLT invites faculty from across campus to participate in a Google Faculty Learning Community to learn about the new tools and pilot projects in their teaching.
- FALL 2011** 28 faculty participate in the learning community and are part of the first pilot group to receive access to the new collaboration tools.

The learning community recommends changes in the implementation of Google Apps.

The implementation of Google Apps at U-M, **as well as** plans to integrate the Apps with CTools are better matched to the needs of faculty.

- WINTER 2012** Faculty members from the learning community pilot projects that use a range of Google Apps in their teaching:
 - Blogger
 - Google Docs
 - Google Sites
 - Google+
 - Google Moderator
- FALL 2012** CRLT publishes Occasional Paper on best practices for using online collaboration tools.



DISSEMINATION

OCCASIONAL PAPERS

- Sent to faculty and graduate students at U-M
- Summarize results of U-M and national research
- Topics include: Online Teaching, Clickers, Teaching Millennials, Lecture Capture, Use of Laptops



SEMINARS & WORKSHOPS

- IT session at New Faculty Orientation and GSI Teaching Orientation
- CRLT Fall and Winter Seminar Series
- Enriching Scholarship seminars
- Online faculty development workshops
- Programs designed with and for individual departments or school/colleges

WEBSITE

www.crlt.umich.edu/teaching-technology

- Faculty examples of IT use
- Technology tools and teaching strategies for active learning
- Online tools for interaction and engagement with course content



SUCCESS STORY

Clickers are now widespread across campus, and faculty are adopting best practices.

CLICKERS

- 1997** CRLT funds early explorations of clickers by two faculty in Engineering and Physics.
- 1999** CRLT further funds a joint clicker project by the same faculty.
- 2004** Early adopters of clickers featured at CRLT events.
- 2005** Clicker technology featured at New Faculty Orientations.
- 2005** CRLT purchases a loaner set of clickers to support faculty experimentation.
- 2006** CRLT helps LSA evaluate different models of clickers.
- 2006 & 2007** CRLT surveys students on clicker use in 30 large lectures (4,300 students).
- 2006** CRLT provides student feedback from the survey to faculty and IT support staff.
- 2007** CRLT Occasional Paper provides recommendations based on clicker literature and student surveys to guide faculty use of clickers.

EVALUATION

IMPACT ON TEACHING & LEARNING

CRLT has conducted student surveys and faculty focus groups, and has tracked, through analytics, students' use of different technologies, with the goal of determining best practices for particular technologies.

- What is the impact of clickers (Classroom Response Systems) on student learning?
- Lecture capture: Which students use lecture podcasts? How do they use them? How do podcasts impact attendance and performance in a course?
- Laptops in the classroom: Distraction or learning enhancement?



COLLABORATION

PARTNERSHIPS ACROSS CAMPUS

- CRLT serves as a gateway to other IT support services, e.g., at New Faculty Orientation.
- CRLT is an active member of the Teaching and Technology Collaborative (TTC), helping organize Enriching Scholarship, a week-long IT conference in early May.
- In collaboration with TTC, CRLT coordinates a Teaching with Technology Institute that serves 8–10 faculty per year, offering money and technical expertise to support the development of innovative uses of IT.

