

# What CIT is hearing from Arts & Sciences faculty about teaching with technology

*\*\* denotes requests and/or interest from more than 10 instructors (through the current CFP + last year of inquiries to CIT)*

## What are faculty already doing?

- Teaching via synchronous web-conferencing (ex: WebEx)
- \*\*Experimenting with Team-based Learning (TBL) and flipped classrooms
- Collaboratively teaching courses with colleagues at other schools
- Increasing collaboration with the Duke Medical School
- \*\*Experimenting with online testing and assignments
- Repurposing MOOC content for the classroom
- \*\*Creating and/or sharing more video as content
- \*\*Incorporating active learning technologies in class (clickers, polling, etc.)
- \*\*Developing more assignments or projects that involve video created by student

## What do they want to be able to do?

- Generate more interest in their field/discipline for new or potential students
- Provide greater scheduling flexibility for Duke students
- Create modular content that can be reused and repurposed across several courses
- Create online modules for students to test, enhance and/or practice skills to close gaps between prior learning and current course content
- Provide higher-level mathematical testing online
- \*\*Choose between more options for secure online testing
- \*\*Create and share different types of video on-demand
- Incorporate animations, interactive elements and advanced web design in courses
- Provide high-demand courses to more students simultaneously and/or at a distance
- Spend more time interacting with students directly - less time lecturing

## What kinds of support might they need?

- Consulting assistance to help plan flipped classes: in-class activities, assessments, video, etc. (CIT can help)
- Consulting assistance to help with instructional design and planning of modular content (CIT can help)
- Consulting about, and continued research of, new technologies for secure online testing (CIT can help, but should expand to collaboration with SOM, A&S, OIT and others)
- Increased availability of equipment and software for creating video (CIT+OIT offering pilot program via Link in Sp14)
- Assistance with animation, web design and video editing (limited support via MPS lab)

- Training and consulting on video production, tools and techniques (limited support via CIT+OIT and MPS lab)
- Technologies to support storing and organizing modular content (CIT+OIT+Duke Libraries collaborative development of tools and resources ongoing)

## **Sample breakdown of interest/requests by A&S dept.**

### **Synchronous web-conferencing**

- Statistics, Chemistry, Political Science, Languages

### **TBL and flipped classes**

- Chemistry, Physics, Biology, DGHI, Romance Studies, Slavic and Eurasian Studies, Public Policy

### **Online testing**

- Chemistry, Math, Biology, Computer Science, Physics, Political Science, Languages, DGHI

### **Video**

- Econ, Philosophy, Physics, Chemistry, Neuroscience, Cultural Anthropology, Writing, Art, AH, and VS, Theater Studies, Statistics

### **Polling; Clickers**

- Econ, DGHI, Public Policy, Chemistry, English, Psychology and Neuroscience, Political Science