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