Mobile Video Framework
A mobile website that hosts how-to videos of the instructor’s demonstrations. Includes tips and FAQs as well as links out to glossary terms where appropriate. Gives students access to these videos anywhere, anytime.

Available on mobile devices and on the web at: http://go.distance.ncsu.edu/ftm219/

LifeCycle Tool
An online application that allows faculty to teach linear or cyclical content. It allows for many forms of media like images or videos as well as interactive and evaluative segments, keeping track of a student’s progress and (optionally) score.

See an example deployment online at:
http://delta.ncsu.edu/projects/lifecycle/demo/honeybees/
(Requires login. For Campus Affiliation, select “Guest Access”)

MicroExplorer
An interactive website and mobile application that includes a 3D model of a compound microscope with supporting photographs, video, and textual descriptions of each part.

Now available on iOS devices, coming soon to Android.
NCSU MicroExplorer 3D – iTunes App Store,

Check out the web version at: http://go.distance.ncsu.edu/microexplorer/
(Requires Unity Web Player)

Virtual Viewer
An online tool that focuses on the key elements of microscope usage, such as viewing multiple magnifications, measuring samples, noticing how rotation affects polarized views of various materials. Samples may also include notes, audio, and video.

See an example deployment online at: http://projects.delta.ncsu.edu/virtualviewer/

Flashcard Study Tool
A system that allows faculty to author sets of cards online for students, supplementing text with images, sounds, and video. The flash cards can be "chained together" so that complex concepts will appear back-to-back across multiple cards. Flash cards that faculty create the first time can be reused and improved across semesters, as well as be seen by students online and soon on smart phones.

The Flashcard Study Tool is available online at: http://delta.ncsu.edu/projects/flashcards/