

BUTLER UNIVERSITY

82%

*Students reporting
exam grade increases*

67%

*Students reporting
improved ability to
retain information*

7,000

*Hours of video recorded
campus-wide*

Over the summer of 2009, Butler University, found itself with a unique need for a university video solution. Other institutions had already discovered the value of video for lecture capture, **but Butler's need was different.**

Instead of recording their professors, the university wanted a simple, scalable solution to capture course content and student engagement.

Enabling students to role play scenarios, practice skills in simulations, and otherwise learn by experience was key to enhancing a number of Butler's academic programs. Finding the right video solution to support that goal was the challenge.

As part of the evaluation process, Butler's Center for Academic Technology and Information Technology departments piloted Panopto for a semester. This pilot was followed by a half-day event during which vendors were invited to demonstrate their products. During the event, faculty and staff were given the opportunity to experience the proposed solutions and provide feedback.



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Founded in 1855 by attorney and abolitionist Ovid Butler, Butler University challenges and supports students in a liberal-arts environment that fosters both intellectual and social growth while providing practical, "real-world" skills.

With over 60 major academic fields of study in six colleges, an expansive study abroad program, and renowned faculty, Butler's curriculum gives students an education experience of a lifetime and an edge that defies the norm.

The university's 295-acre campus is situated in the Butler-Tarkington neighborhood, approximately five miles from downtown Indianapolis.

Based on the input they received from faculty and staff as well as a rigorous technical and pedagogical assessment, Butler selected Panopto. Jeana Rogers, the specialist at Butler's Center for Academic Technology implementing the vendor selection, said "The bottom line was that Panopto had the criteria we needed and was a cost-effective solution."

Since Panopto's deployment at Butler in January 2010, the software has become an invaluable campus-wide resource for both students and faculty alike.

THE FIRST CHALLENGE:

SKILLS ASSESSMENTS AT THE COLLEGE OF PHARMACY & HEALTH SCIENCE

At Butler's College of Pharmacy and Health Science (COPHS), professors were first interested in using video for student skill assessments in their Physician Assistant and Pharmacy programs.

COPHS needed a way to record classroom sessions in which students practiced their skills (through role playing with other students, as well as on simulated patients) so that their proficiency could be evaluated by their peers as well as their professors.

Although some of these sessions were already being recorded, the college was looking for a cost-effective way to expand the use of student recording that would also enable both students and professors to view and share videos from any location.

THE SOLUTION:

FROM ENABLING SKILL ASSESSMENT TO FLIPPING CLASSROOMS

With Panopto, the process of recording student assessments has greatly improved.

Today, students learning to be Physician Assistants record themselves interacting with standardized patients using the iPad®. Recordings are automatically uploaded to the Panopto video content management system (VCMS) and encoded for streaming to any device.

Professors are able to view the students' videos at any time and critique each performance. Likewise, students review their own videos and assess their own performance. Self-assessment is a great learning tool. Sometimes students are not aware of certain actions and seeing it on video is helpful in perfecting techniques.

These recordings also serve as practice before students are evaluated in a summative nature. "Often, it's a more formative opportunity. In some exercises, if they don't like the recording, they can do it again," says Jennifer Snyder, an Associate Professor in the Physician Assistant program. "Being able to record their practices gives them a feeling of comfort."

Over the past several years, the use of Panopto at COPHS has grown to now include lecture capture and flipped classroom scenarios.

In addition to student assessment, Professor Snyder has been using Panopto to flip her Clinical Medicine course. She records brief 7-10 minute videos that her students view before class. Class time is spent discussing the concepts from the videos or applying the information in case presentations.

Professor Snyder believes that flipping her classroom using Panopto has improved the quality of discussion during class. She says, "It's a much higher level of thinking when you go into the in-class discussion. It allows the students to really be ready for what you're going to discuss that day, so it's a richer discussion of the material."

“ Panopto has given our students and faculty...the ability to use video technology much more easily than they ever could before, and really enhances the teaching and learning process. ”

— Jeana Rogers, Specialist, Butler University Center for Academic Technology

Lecture capture has had a positive impact in COPHS's Pharmacy program, where almost every class is recorded by Panopto. According to the department's 2011 survey:

- More than 60% of students felt that Panopto helped **improve their exam grades**
- 74% of the students reported using Panopto to **revisit lectures** they had already attended in order to review harder material
- The majority of students reported that Panopto did not increase the likelihood of skipping class

According to one student quoted in the study, "**Panopto has positively affected my learning experience.** It is especially beneficial in difficult classes. Listening to sections of the lectures multiple times has helped me learn the material more effectively."

THE NEXT CHALLENGE:

OVERCOMING COMPLICATED VIDEO CAPTURE AT THE COLLEGE OF EDUCATION

Meanwhile, at the College of Education, students serving internships in school counseling were videotaping live sessions with clients. The recordings would be used during classes or in private meetings with professors to evaluate the student's performance. Some students were using handheld digital video cameras, such as a Flip cam, and saving the recording to DVD or a memory card; others were using VHS cameras and videotapes.

Sharing the videos required students to offload the large raw recordings from media cards, manually convert those files into a smaller format, and upload them to a local server. Not only was this process exceptionally time consuming, but even after all that effort, the videos could only be viewed on campus—compounding the burden for commuting students.

The College of Education needed a video solution that was not only easy to use across a wide range of equipment, but one that would streamline the process of recording and privately sharing content.

THE SOLUTION:

PANOPTO'S SECURE, CLOUD-HOSTED VIDEO CONTENT MANAGEMENT SYSTEM

With Panopto, the College of Education was able to simplify the recording process and enable professors to offer timelier feedback on the student's performance.

Instead of recording to memory cards or DVDs, interns now record directly to Panopto using their laptops and onboard cameras. Moreover, access to the recordings could be controlled by login and only granted to program professors and peers.

Professors at the College of Education review the recordings weekly during study groups and individual supervision, and have come to rely on Panopto's Notes feature, which enables them to append time-stamped comments to a student's video.

Brandie Oliver, an Assistant Professor who oversees interns in the School Counseling program, uses the Notes feature extensively in providing feedback to her students. "I can go to a specific point in the video and say, 'I'd really like for you to look at this skill,' and that leads us to in-depth and thorough discussion of what we're trying to talk about."

"It's been wonderful," Ms. Oliver says. **"Panopto lends itself to letting us provide really detailed feedback, even at a distance."**

EXPANDING OPPORTUNITY: BUTLER TAKES PANOPTO CAMPUS WIDE—AND EVEN FURTHER

With the success of its Panopto implementation in the College of Pharmacy and Health Science and the College of Education, Butler has started to enable video campus wide.

Since deploying Panopto, Butler students have watched more than 7,000 hours of recordings. Use continues to grow each semester as the faculty find new ways to use video in their courses.

Today Butler University uses Panopto in a variety of ways, from student presentations to staff demonstrations. Butler's physical education department uses Panopto to capture student teaching and evaluate teaching skills, and the school's Healthy Horizons program uses Panopto videos to demonstrate how to eat healthfully on campus.

Across campus the university has enabled 64 "Panopto-ready" rooms, a number that grows annually. For courses in these rooms, Butler uses Panopto's Remote Recording feature to automatically start and stop recordings at a scheduled time. This frees the professors to interact with students between classes, rather than requiring they spend time setting up the instructor's workstation to record.

And even if a room is not yet "Panopto-ready," Butler professors can still record a lecture by bringing in one of the university's mobile Panopto setups, which consists of a laptop with a webcam or an iPad attached to a Mayakama Movie Mount®.

Butler hopes to continue expanding its use of Panopto, and to consolidate the number of other video products in use.

According to Jeana Rogers, "Panopto has given our students and faculty the ability to share learning experiences in a whole new way. They can easily capture and share content anywhere. **It provides them with the ability to use video technology much more easily than they ever could before, and really enhances the teaching and learning process.**"