

EASTERN ILLINOIS UNIVERSITY

Program featuring HP EliteBook Notebook PCs transforms learning environment



"HP EliteBook Notebook PCs have completely changed our department. Learning is much more active, hands-on and interactive. Students are more independently engaged and teachers can be much more innovative."

—Lynn Calvert, associate professor, Department of Communications Disorders and Sciences, Eastern Illinois University, Charleston, Ill.

HP CUSTOMER CASE

STUDY: Eastern Illinois University's HP EliteBook Notebook PC program fosters active learning

INDUSTRY:

Higher education

OBJECTIVE:

Provide students and faculty with mobile PCs for class and clinical work

APPROACH:

Conduct student notebook program recommending select HP EliteBook Notebook PCs backed by HP Gold Business Partner CompUtopia service

IT IMPROVEMENTS:

- Each student has own durable, feature-rich mobile device
- Comprehensive service eases implementation, protects uptime
- Webcam feature facilitates distance learning
- Tablet option supports academic and clinical work

BUSINESS BENEFITS:

- Students engaged in hands-on learning, teachers innovate
- Use of PCs rises from a single class to 12 undergraduate and 9 graduate classes
- Number of professors using PCs clinically rises from zero to 9 out of 13
- Near-paperless operations increase efficiency, cut printing and paper costs

**HP recommends
Windows®.**



Thanks to the HP EliteBook Notebook PC, visitors to Eastern Illinois University's (EIU) Department of Communications Disorders and Sciences (CDS) can see the power of a new way to learn. Where once the hallways cleared out after class, now they're full of students sharing information. Where once class time was spent delivering lectures, now there's highly productive, active, hands-on learning. It's all part of the HP Student Laptop Program. "It's no longer the old 'sage on stage' model of teaching," says CDS Associate Professor Lynn Calvert. "HP has allowed us to make learning much more interactive. It's made students more engaged and encouraged professors to be more innovative in their teaching."

With such heavy use of the PC as a learning tool, CDS needs machines of exceptional quality, durability and reliability. That's why it chooses the HP EliteBook 8440p Notebook PCs and HP EliteBook 2740p Tablet PC.

CUSTOMER SOLUTION AT A GLANCE

PRIMARY APPLICATIONS

Classroom learning;
clinical therapy sessions;
independent student projects

PRIMARY HARDWARE

- HP EliteBook 8440p Notebook PC
- HP EliteBook 2740p Tablet PC

PRIMARY SOFTWARE

- CompUtopia CampusHP Student Care Support
- HP ProtectTools

“Students are required to use these notebook PCs in both class and in clinical situations,” Calvert says. “The need for quality and reliability is very high. The HP EliteBook line gives us the business-rugged features and high performance needed to stand up to heavy student use.”

CDS VOLUNTEERS FOR PILOT STUDY

Based in Charleston, Ill., EIU consistently ranks in the top tier of Midwest colleges and universities. It offers graduate and undergraduate majors in arts and humanities, business and applied sciences, education and professional studies, and sciences. EIU is supportive of academic programs that wish to launch notebook initiatives. The CDS department volunteered to pilot a study with full administrative backing from its chair, Dr. Gail Richard.

CDS is a program of study for speech-language pathology within the College of Sciences. It wished to use mobile PCs both in the classroom and in clinical programs where students work directly with speech- or hearing-impaired clients as part of the integrative learning experience for students at EIU.

Working with EIU’s Center for Academic Technology Services (CATS) and HP Gold Partner CompUtopia, CDS considered three RFP finalists to supply its new notebooks. HP and CompUtopia won with the best combination of hardware, service and value, says John G. Henderson, CATS assistant vice president for academic affairs for technology. “The HP solution delivered durability, security, processing power, great service, and the devices were easy to put in backpacks and carry around.”

“The HP EliteBook PCs aren’t just for taking notes. They help students look at cases, analyze information and apply their learning hands-on.”

*—Lynn Calvert, associate professor,
Department of Communications Disorders and Sciences,
Eastern Illinois University*

The CDS notebook program works like this: Students may purchase and use any device they wish, but certain HP models have been recommended and offered through the EIU Union Bookstore at academic discount pricing. These are the HP EliteBook 8440p Notebook PC and the HP EliteBook 2740p Tablet PC. Students also may



purchase certain accessories, such as accidental damage protection, battery upgrades, expansion bases and online data backup. EIU’s contract with CompUtopia provides three year/next-business-day, onsite warranty service and on-campus support several hours a week. Students may enroll in CampusHP Student Care Support—CompUtopia support covering scheduled preventative maintenance and all software-related issues such as virus, spyware and adware removal, remediation and access to the CampusHP professional helpdesk. Some 80% of CDS students have purchased HP devices, half through the university program. Most of the department’s 12 faculty members have received HP EliteBook PCs. Many prefer the HP EliteBook 2740p Tablet PC for quick document editing. Faculty members also are supplied with HP printers.

Why those particular HP EliteBook PC models? CDS wanted to offer feature-rich, ENERGY STAR® qualified devices in a range of prices so students could choose an affordable option, Henderson explains. The HP EliteBook PCs include powerful Intel® processors and HP ProtectTools security. Their robust security features include central management for HP ProtectTools, HP Disk and File Sanitizer,¹ Device Access Manager, Pre-Boot OS Authentication and Auto DriveLock. In addition, the machines meet military standards testing for resistance to vibration, dust, humidity, altitude and high temperature.² They’re built to last, with HP spill-resistant keyboards and rugged casings.

“Our experience with the HP EliteBook Notebook and Tablet PCs has been exceptional. The quality, reliability and durability are outstanding.”

—John G. Henderson,
assistant vice president for academic affairs for technology,
Center for Academic Technology Services, Eastern Illinois University



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“Students are tough on PCs,” Henderson says. “They drop them, they get viruses. The HP EliteBooks have been exceptional. It’s a standard we can use with faculty, staff and students. The durability provides years of solid use; our average is approximately 4.5 years.”

An additional advantage of the HP EliteBook line is around-the-clock availability of HP Elite Premium Support. This is a dedicated service included in the cost of every HP EliteBook device. A highly trained, dedicated team of Elite-certified support professionals delivers fast call response times and issue resolution. All a customer has to do to access the service is to say “Elite” when calling in to a standard phone support line.

When it comes to picking their particular PC models, most students are choosing the HP EliteBook 8440p Notebook PC. The device starts at 4.8 lbs and features a 14-inch diagonal LED-backlit HD display³ and battery life of up to 24 hours on a properly configured model with the Ultra Capacity Battery.⁴ The notebook’s webcam⁵ is especially handy, Henderson says, for communicating with students doing off-campus internships.

Many students also are choosing the HP EliteBook 2740p Tablet PC, which combines the functionality of an ultra-light notebook with the flexibility of an ultra-slim tablet. The tablet feature delivers special advantages in clinical settings, when students conduct therapy sessions with clients who might lack keyboarding skills, says Calvert. For example, students had two young girls with language learning disabilities use a tablet to create story maps on screen. CDS, which must comply with the

Health Insurance Portability and Accountability Act (HIPAA) in its clinical practice, allows client files to be viewed only onsite, not downloaded onto PCs.

The HP EliteBook devices have transformed the classroom experience as well. In the old paradigm, teachers would lecture and give homework. In the HP-enabled paradigm, students listen to lectures on their own through the PC and use class time more productively for hands-on, interactive learning. For example, they might view videotaped therapy sessions—fed to the HP devices from campus servers—to discuss and learn best practices. “The HP EliteBooks have changed the teacher/student relationship,” Calvert says. “They make students more responsible for their own learning, with the teacher as the ‘guide on the side’ instead of the ‘sage on stage.’ They love that greater independence.”

SUCCESS: ACTIVE LEARNING, GREATER EFFICIENCY, LOWER COSTS

As a campus pilot site, CDS took care to quantify project success. Before the pilot, only one course used computers as instructional tools in the classroom; over the first program year, the number rose to 12 out of 13 undergraduate courses and 9 out of 13 graduate courses. Before, not a single professor was using computers as a clinical tool; a year later 9 out of 13 professors used their HP mobile devices for conferences, lesson plans and clinical work. One innovation is to give students feedback on their therapy sessions by incorporating professors’ notes—captured using the Microsoft® Office OneNote® digital note pad—into session videotapes for personal or class review.

HP recommends Windows®.

The program also is yielding cost and productivity advantages. "Our clinic has gone paperless. Most classrooms have gone paperless. All client files, student files and assessment data are now electronic," Calvert says. "It's saving printing costs, it's saving paper, and it's making us more efficient because every single faculty member can access the same file at the same time versus checking out a paper file."

"The tablet functionality of the HP EliteBook 2740p Tablet PC is especially useful in clinical settings working with speech or hearing disabled clients who might lack keyboarding skills."

*—Lynn Calvert, associate professor,
Department of Communications Disorders and Sciences,
Eastern Illinois University*

"The HP EliteBook 8440p Notebook PC outfitted with the webcam frees students to review lectures at any time they have Internet access, and to communicate face-to-face at a distance,⁶" Assistant Vice President Henderson adds.

The student notebook project experience also yielded some lessons, Henderson and Calvert say. One time-consuming task involved deploying all the needed software on the disparate notebook PCs by another manufacturer that some students bought; now CDS supports only its recommended HP devices.

To learn more, visit www.hp.com
www.computopia.com

Contact the HP Reference2Win Program, 866-REF-3734 for more information.

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¹ For the use cases outlined in the DOD 5220.22-M Supplement.

² Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.

³ HD content required to view HD images

⁴ Up to 24 hours requires HP EliteBook 8440p configured with Intel Graphics Media Accelerator HD, optional SSD, 9-cell primary battery and separately purchased Ultra Capacity Battery. Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark07 battery benchmark www.bapco.com/products/mobilemark2007 for additional details.

⁵ Internet access required.

⁶ Wireless access point and Internet access required, and sold separately. Availability of public wireless access points limited.

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