



Research & Teaching Tools, February 2007

Homewood Faculty eNews digests summarize some of the resources available to Homewood faculty from the Center for Educational Resources, the Sheridan Libraries, and IT@JH.



[I Classroom Technology Update](#)

Stay informed about which Homewood classrooms have the newest equipment and multimedia capabilities.

[II Using e-Reserves](#)

Find out how to post and access articles and media files for your courses.

[III Interactive Map: A New Tool to Promote Collaboration](#)

Build an online interactive environment using different media - in any academic discipline.

[IV Technologies in Translation](#)

Schedule an appointment for technology consultation that is convenient for YOU!

[V Make Any Classroom a Computer Teaching Lab - Reserve the Mobile Computer Cart](#)

Schedule the CER's mobile laptop cart and set up your own teaching mini-lab.

[VI Networking the Future - Computational Sciences Building](#)

Hopkins technology introduces the 10-Gigabit Ethernet.

I Classroom Technology Update

LEVEL 3	210 Hodson Hall	
	Computer	Yes
	Laptop Connection	Yes
	Projector	Yes
	Document Camera	Yes
	VCR	Yes
	DVD Player	Yes
	Cassette Player	Yes
	Digital Slide Projector	Yes
	PA System	Yes
	Wireless Network	Yes
	Seats	105

Upgrades and new equipment installations have been completed for the general pool classrooms at Homewood. 65 general pool classrooms (i.e., rooms scheduled by the Registrar's Office) now have ceiling-mounted LCD projectors with laptop hook-up, DVD/VCR players, speakers and lecterns. 62 of these classrooms are supported directly by the IT@JH Classroom Support group, while the remaining three classrooms, Bloomberg 272, Latrobe 107, Whitehead 304, are supported by academic departments. The only general pool classrooms that have not been upgraded are in Gilman Hall, which is scheduled for extensive renovation at the end of the academic year. Future enhancement will include installations of digital document cameras and room-based PCs as funding permits.

All IT@JH-supported classrooms now have a "HELP" button located on the AV control panel that will page the Classroom Support staff if an on-site help is needed. The AV control panel (either touch screen or analog push-button) is located near the front blackboard of each classroom and should be easy to locate, although there is no consistent exact location due to the necessity of retrofitting each room individually. Basic instructions for using AV equipment, configuring network information, and contacting help are also posted in each classroom near the AV control panel. For details on technology classroom equipment, room photos and other room information, click on the "Technology Classrooms" tab located at <http://www.jhu.edu/classrooms> .

Since all general pool classrooms have been upgraded, mobile AV equipment deliveries for classrooms will be limited to Gilman Hall general pool classrooms, except in cases where an overhead or slide projector is still required. Faculty or departmental administrators can request mobile AV deliveries for Gilman or other departmental rooms at no charge through the Mobile AV Services Group at <http://www.it.jhu.edu/etso/customerservices/avrequests.html> .

On-site technical support is also now available for departmental meetings, events and other functions that are held in general pool classrooms - just submit a request through the SAP cost center using the above link.

For more information please contact the IT@JH Manager at the Homewood campus, Graham Bouton at graham@jhu.edu or 410-516-5565.

II Using e-Reserves

The Sheridan Libraries are eager to support faculty in both their teaching and scholarship, and one increasingly important instructional service is provision of both print and electronic course reserves. Instructors from any University division that offers courses on the Homewood campus may reserve required and recommended materials for their students. Instructors can submit reserves lists to the reserves unit using online forms, or they can use email, campus mail, or fax. Details about how to submit reserves lists are available at:

<http://reserves.library.jhu.edu/access/reserves/findit/policy/index.php>.

The Libraries will acquire books, articles, videos, and other materials requested for course reserves if they are not already part of the collection. Library staff will also check copyright clearance and scan materials to provide electronic access within copyright regulations. Instructors should submit reserves lists as early as possible for the upcoming semester to ensure that reserve readings are available to students at the start of a course. Deadlines for submitting reserves lists for each semester are posted on the reserves web site; lists received after the deadline are processed in the order received.

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Course Readings - Spring 2007

[Course Readings](#) | [Course Notes](#) | [Exams](#) | [Information & Policies](#) | [Res](#)

To access these materials, you will need a current version of Adobe's [Acrobat Reader](#) software.

==Select Instructor and Course==
 ==Interession 2007==
 Baim-Lance - 070.239 - Social Life Amidst HIV/AIDS in South Africa
 Batchis - 191.323 - Thinking Like a Lawyer
 Betlem - 070.238 - Non Normative Sexualities
 Cakmak - 010.343 - Gustave Courbet and Modern French Painting
 Cho - 767.797.52 - Real Estate Capital Market
 Cross-Barnet - 230.111 - Fiction's Truths

** GO **

Electronic reserves material may be accessed from any computer on the JHU network or from off-campus via the JHSecure VPN (Virtual Private Network) software.

For information about downloading and installing the JHSecure VPN client, see <http://www.library.jhu.edu/services/computing/remotaccess.html>.

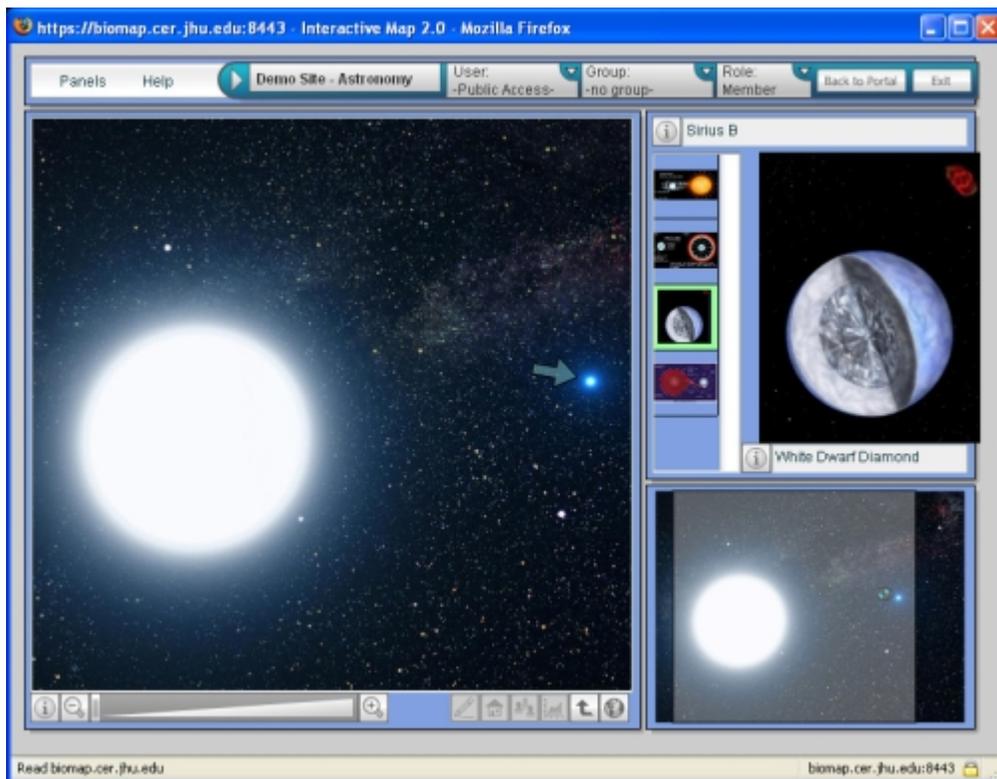
III Interactive Map: A New Tool to Promote Collaboration

The Interactive Map is now available to Homewood faculty. The "map" is a resource that allows you to create an online environment to which both you and your students can contribute information, which can be linked to additional pages that provide more details about the topic being studied. Sites created in the Interactive Map tool can be used in any academic discipline, from biology to history, and can help students understand the connections between concepts in a way unlike any other. You can create assignments that require students to gather data or make observations and load them into a common location. The "map" can be anything you want it to be - for example, a geographical location, the human body, or a circuit board. Through this program, assignments can be made and student work can be shared, graded, and revised.

This tool has been used most recently to develop city maps. For example, an Interactive Map of Florence, Italy, provides a home page that shows a street map of the city. From this starting point, you can click on certain highlighted locations to examine content that is found in churches and museums. Once clicked, a new, zoomed-in window, or "sub-map," appears, generating a closer look at the desired location. If you click on a church, for instance, a floor plan of the church appears, providing context for works of art. From this sub-map, even deeper detail can be accessed, including who created them, who commissioned them, when they were created. These content "artifacts" enable the user to link objects

to their spatial relationship. In the case of the Florence Map site, these artifacts show multiple viewpoints of a statue.

Recently, the Interactive Map has been used to document public murals by local artists around the city of Baltimore and implement collaborative team-based research on the Johns Hopkins campus biological environment.



Click here [<https://biomap.cer.jhu.edu/interactiveMap>] to explore a demo version of the Interactive Map and to get a sense of the navigational experience. To login as a guest, select "Log in - Basic" then click "Guest Log in."

For more information, please contact Reid Sczerba at rsczerb1@jhu.edu or 410-516-5198.

IV Technologies in Translation

Show Me
How To...



RESEARCH 研究

- R1. Conduct Research Using Online Databases in My Field
- R2. Facilitate Online Collaboration with Other Scholars
- R3. Disseminate Research Online
- R4. Make the Most of Portable Data Storage Options
- R5. Manage Copyright Issues

To accommodate busy schedules, the Center for Educational Resources (CER) offers individualized "just in time" training in the use of digital technologies for instruction and research. If you would like an introduction to a tool you've heard about or some personal startup help, just call the CER for an appointment (410.516.7181). Through an initiative called "Technologies in Translation," all Homewood instructors can learn about new technology teaching tools in small group sessions in the CER near Cafe Q in the library OR in individual

consultations in their offices. CER staff will bring the software and even the hardware if necessary.

A range of technologies are accessible through this program, including tools to aid research, teaching, grading, or your own personal knowledge about new equipment and online resources. Learn how to disseminate research online, facilitate online class discussions, develop a variety of grading and evaluation rubrics, or set up personal audio recordings and Podcasts. Staff are available to demonstrate how to use RSS feeds, put together teaching portfolios, and publish course webpages. The CER is here to help answer any questions and show you how to take advantage of a wide range of resources available to you as a member of the Johns Hopkins Homewood faculty.

For more information or to schedule an appointment, please e-mail cer_train@jhu.edu or contact Cheryl Wagner at 410-516-7181.

You can also visit our website at www.cer.jhu.edu.

V Make Any Classroom a Computer Teaching Lab - Reserve the Mobile Computer Cart

The CER offers a mobile computer classroom to all faculty members on the Homewood campus. This laptop cart can enable any classroom to become a full computer lab, just by rolling in equipment. The cart holds ten Dell laptops, which are complete with Windows XP Professional, Microsoft Office, and wireless Internet connections that can link to the campus network. The cart also includes a portable projector and a portable screen. The mobile computer classroom is useful for computer-based exams and quizzes, Internet based research and activities, and training on specific software applications that can benefit your class.



To use the cart, make a reservation at least 48 hours in advance of the class for which it is needed and inform the CER of any special software at least two weeks before the class time. Laptops from the cart cannot be reserved individually, and the cart must be checked out and returned by the instructor to the CER. The cart is sturdy and is equipped with eight-inch wheels for easy maneuvering to the classroom.

For information on how you can reserve the mobile computer classroom, contact Brian Cole at bcole@jhu.edu or 410-516-5418.

VI Networking the Future - Computational Sciences Building



It was only ten years ago when 100Mbps (megabits per second) networks were considered cutting edge in the networking world, including at the Homewood campus at Johns Hopkins. Fast-forward to today and it is common to connect large buildings on campus with Gigabit (1000Mbps) Ethernet technology. But as Gigabit Ethernet technology became commonplace, the 10-Gigabit (10 times the speed of Gigabit Ethernet) became the next standard. The new Computational

Sciences building will be the first building within the Johns Hopkins Institutions to operate with 10-Gigabit technology.

Why all this speed? The new Computational Sciences building will be occupied by research groups engaged in advanced Internet research projects. Many of these projects will require intense collaboration and data transfer not only within the building, but also between Computational Sciences, Clark Hall, and the research Internet. Department missions are dictating the design of the network infrastructure.

Infrastructure designs are engineered to last for at least five years before an equipment refresh can take place. In addition to 10-Gigabit technology, the cable plant for Computational Sciences will consist of fiber optics and Category-6 cable capable of transporting data at extremely high speeds. The adaptation of these new technologies signals great advancement in the networking arena, and will provide the Computational Sciences user community with cutting-edge technology for the next several years. The new building is scheduled for completion and occupancy by late 2007.

For more information, contact Dean P. Zarriello, Director of Networking & Information Security at dzarriello@jhu.edu or 410-516-7805