

Report for Center for Instructional Technology, AY2004-2005

OVERVIEW

I am pleased to share with you this summary of CIT's activities and our goals for the coming year. Please don't hesitate to contact me to discuss this report. If you have suggestions or comments, I would love to hear them.

Lynne O'Brien

Director, Center for Instructional Technology

Key Accomplishments in 2004-2005

- Successfully planned and implemented the Duke iPod First-Year Experience in collaboration with OIT and other campus groups, including sponsoring 27 academic iPod projects involving over 50 faculty and instructors and 1200 students
- Hosted Blackboard Southeast Users Group conference, drawing over 200 attendees from regional colleges and universities
- Supported 15 Faculty Instructional Technology Fellows and five graduate student partners in innovative instructional technology projects
- Upgraded to version 6 of Blackboard course management system
- Gathered over 200 faculty and IT staff from Duke and other institutions and organizations for the 5th annual CIT Instructional Technology Showcase
- Transitioned faculty users from CIT's pilot multimedia server to OIT's new streaming media service
- Redesigned CIT web site
- Provided training and support for faculty and staff on Blackboard through over 40 workshop offerings and 63 personal office visits

Key Goals for 2005-2006

- Develop sustainable models for use of digital audio in Duke courses.
- Pilot multimedia and collaboration technologies for classroom use through the Duke Digital Initiative.
- Develop programs and resources to support general teaching and learning needs of faculty at Duke.
- Develop internal CIT organization to better meet client needs and fulfill CIT goals.
- Fully integrate CIT services, where appropriate, with other parts of the library.

About the CIT

CIT is part of Duke University Libraries. Its current office space and instructional lab will be permanently relocated from Perkins to the new Bostock Library in October 2005. CIT is led by the Lynne O'Brien, Director of Academic Services and Instructional Technology who reports to the Deborah Jakubs, Vice Provost for Library Affairs and University Librarian.

About the CIT

<http://cit.duke.edu/about>

Along with the Director, CIT has thirteen full-time staff members and two part-time staff members. The CIT Advisory Board, comprised of faculty and staff from across the University, provides advice on CIT's activities and future plans.

Contents of this report

This report is organized according to CIT's accomplishments and future plans in each of the five areas of its current strategic plan:

Generating Ideas – faculty consulting and outreach activities such as the CIT Showcase and other events

Encouraging Innovation – incentives and project support such as funding and faculty development programs, as well as investigation of new tools

Connecting Technology Plans and Services at Duke – collaborations with other library units, the Office of Information Technology, IT groups in Duke's schools and other campus connections

Building Partnerships Beyond Duke – connections with other institutions, industry vendors, and outreach to the education community

Learning What Works – using evaluation and assessment to measure our success, as well as incorporating best practices from educational research into our programs and services

This report also contains two appendices:

- Summary of CIT Staff and Professional Activities (Appendix A)
- List of Software and Tools Investigated in 2004-2005 (Appendix B)

GENERATING IDEAS

CIT helps faculty understand the potential value of using technology in their work, supports them in planning for it and provides opportunities for Duke faculty who have used instructional technology to share what they have learned. CIT's strategies for generating ideas for instructional technology use are summarized below.

Highlights of the CIT Showcase 2005

CIT held its 5th annual Instructional Technology Showcase in the Bryan Center on April 28, 2005. At least 225 faculty, staff, and students attended, with approximately 80% coming from Duke and 20% from outside Duke. Fifty-nine faculty attended, representing 26% of all attendees. This year's Showcase featured 12 varied presentations including faculty panel discussions about iPod projects, a keynote address by Kenneth Green of the Campus Computing Project, and faculty, staff and students presenting 31 posters.

CIT Instructional Technology Showcase 2005
<http://cit.duke.edu/showcase/2005/>
Photo slide show, recorded presentations, and
PDFs of all Showcase posters

A small sample of presentations included:

- PDAs in the Clinical and Educational Environment
- Portable Research: iPod Devices and Field Work
- Evaluation and Redesign of a Nursing Distance Education Program

Sample comments from attendees:

"It is great to have the technology at Duke highlighted at such an event. It helps others appreciate the work that the IT staff does and opens the imagination to the possibilities that are out there."

"The poster sessions were by far the most valuable segment of the showcase. The presenters were very eager to talk about their projects and field questions. I feel this kind of exchange is invaluable for meaningful instructional innovation."

Consulting services for faculty

CIT responded to over 120 inquiries and requests for assistance and consulting from faculty during the 2004-2005 academic year. A few examples of the range of requests from faculty include:

- Advice and support for the curriculum change effort in Engineering, including helping on an external grant to utilize Tablet PCs in support of those curriculum changes.
- Assist a faculty member interested in grant or other support options for setting up a computer based design course in the theater studies department
- Assistance with an external grant to support remote sensing/data collection to be used in the classroom
- How to do real-time diagramming (similar to what is currently done in the face to face course) in an online course
- Options for secure online exams
- Advice on using iMovie to capture clips for use in class presentations
- Help with converting a course from using Polaroids to digital cameras

Blackboard workshops and office visit program

CIT continues to provide training and direct support to faculty and staff in the use of Blackboard for instruction. With the upgrade to Blackboard version 6, CIT offered a series of workshops throughout the fall to assist faculty and staff in learning about new features and changes. In total over 40 workshops on various Blackboard topics were offered. In addition, CIT's Blackboard Office Visit program allows individual faculty, staff, or small department groups to schedule a 'house call' from a CIT consultant or specially trained student worker.

Office visits, 2004-2005

- 43 faculty and 20 staff in 18 Arts & Sciences departments as well as the School of Medicine, Law, and Engineering received individual Blackboard office visits
- Several departments including Public Policy & Dance scheduled individualized faculty Blackboard training sessions
- Feedback survey is sent to all recipients to assess the effectiveness of the office visit. 90% of questionnaire respondents report that they were very satisfied with the staff member's demeanor, knowledge, helpfulness, and convenience of the office visit program.

Other CIT Events in 2004-2005

In September, 2004 over 40 faculty and staff attended a talk entitled, "Back to the Future: When Paradigms Collide" by Carl Berger, Director of Advanced Academic Technologies in the Collaboratory for Advanced Research and Academic Technologies (CARAT) at the University of Michigan.

In collaboration with Paula Lemons and the biology department, CIT co-sponsored a special teaching seminar led by Diane Ebert-May, Professor of Plant Biology at

Michigan State University. Her half-day workshop in December 2004 was entitled "Teaching for Understanding: Active Learning and Assessment". Over 90 faculty and graduate students from 17 departments in Arts & Sciences and from the Schools of Engineering, Medicine, Environment, and Nursing attended.

Next steps for Generating Ideas in 2005-2006

- Redesign and more widely publicize events for faculty and staff, including providing an RSS feed of upcoming CIT Events (<http://cit.duke.edu/events/eventsreg.do>)
- Strengthen our relationships with faculty and departments by increasing contact between faculty and CIT staff
- Further develop CIT's online library of web site profiles of innovative teaching at Duke
- Publicize successful instructional technology uses through the Duke Digital Initiative web site, events, and public relations efforts

In response to faculty who say they lack the time, skills, resources and professional incentives to create and use technology-based course materials, CIT offers training, consulting, funding, direct project assistance and recognition for successful projects.

CIT Funding Programs

CIT offers several different funding programs for faculty including High Impact Instructional Technology Grants, Jump Start Grants, and Faculty IT Fellows support.

High Impact Instructional Technology Grants

CIT funded five High Impact Instructional Technology grants in 2004. This program provides funding for technology projects that make major changes to a curriculum or demonstrate a fundamentally different way of teaching with technology. A project must involve multiple faculty, and/or have the potential to make a significant impact on teaching and learning and/or be a high priority for a department or school. The five funded projects and a list of the participants in each are outlined below.

Tracking Patient Encounters to Achieve Learning Objectives in the Schools of Medicine, Nursing, and the Doctor of Physical Therapy Program

Project leader: Ed Buckley

Project Participants: Colleen O'Connor Grochowski, Jeffrey Taekman, Emil Petrusa, Jan Richardson, Mary Karlet

The project will allow students to enter patient encounter information into a PDA and download the information to a tracking database each time they sync their PDAs.

Hispanic Voices Video, Department of Romance Studies

Project leaders: Joan Clifford, Graciela Vidal

Project Participants: Liliana Paredes, Jocelyn Olcott, Melissa Simmermeyer, Lisa Merschel, Elena Gonzalez, Joan Munne, Sonia Moreno, Francisco Lluna, Enrique Garcia, Pedro Salinas, Bethzaida Fernandez, Toni Carpio

The project will develop a digital video archive of authentic interviews with native Spanish speakers living in central North Carolina. The project participants will produce edited video clips which will be available via a project Web site.

An Online Education Program in Patient Safety and Quality Improvement, School of Medicine

Project leader: Victoria Kaprielian

Project Participants: Barbara Gregory, Beau Wiseman, Justine Strand, Nancy Short
The project team will design and implement an education program for health profession learners consisting of 6-10 interactive online modules in patient safety and quality improvement training.

Development of a Digital Image Archive and Database for Art and Art History Instruction and Research, Department of Art & Art History

Project leader: John Taormina

Project Participants: Jack Edinger, Mark Antliff, Anya Belkina, Caroline Bruzelius, Patricia Leighton, Neil McWilliam, Richard Powell, Hans Van Miegroet, Annabel Wharton

The project team will develop a digital archive for use in Art and Art History classes and made available through the Duke Image Base.

Visual Resources for Classical Antiquity, Department of Classical Studies

Project leader: Josh Sosin

Project Participants: Mary Boatwright, Kent Rigsby, Diskin Clay, Sheila Dillon

Project participants will digitize approximately 1500 slides from the department of Classical Studies' collection. The conversion of slides to digital format will enhance the accessibility of the departmental slide collection for classroom use, stimulate undergraduate and graduate interest in ancient material culture and challenge students to explore links with other disciplines. These images will be available through the Duke Image Base.

Faculty IT Fellows Program

Individual faculty members can take advantage of the CIT Fellows program to explore uses of instructional technologies in one or more courses to improve teaching and learning. The program also helps schools and departments build awareness of instructional technology among faculty members who can share their experiences with colleagues. Faculty can apply to this program as individuals or with a graduate assistant who is actively assisting the faculty member with one or more courses during the Fellows term. Schools and departments can take advantage of the CIT Group Fellows program to infuse instructional technologies in a program or set of courses to improve teaching and learning. A group of at least four faculty who are working together to implement a curricular change in a program or department can apply. The team may also include graduate students who will be actively involved in developing course materials and teaching the courses under development through the Fellows program.

In 2004-2005, CIT sponsored 15 Faculty and 5 graduate students through its Fellows IT program.

Individual Fellows Program

CIT sponsored nine individual faculty fellows and four graduate student partners from a range of departments in its individual Faculty IT Fellows program. Through their projects, faculty engaged students in original research, incorporated multimedia into their course web sites, built online activities, developed interactive simulations, and integrated assessment tools. Faculty participated in a week-long program orientation, monthly meetings, and benefited from ongoing consulting from CIT staff.

Faculty participants

Matt Cohen, English
Daniel Foster, Theater Studies
Deborah Gold, Sociology
Sucheta Mazumdar, History
Alyssa Perz-Edwards, Biology
Nestor Schmajuk, Psychological and Brain Sciences
Ulrike Stroszeck, Romance Studies
Ingeborg Walther, Germanic Languages and Literature

Graduate student partners

Jocelyn Bailey
Allison Dushane
Zihui Tang
José Larraui

One additional faculty IT fellow, Aaron White, Medical Psychiatry, withdrew from the program after one semester due to other commitments.

Group Fellows Program

A group of six Nursing faculty and one nursing informatics graduate student learned about best practices in online education, developed and applied a rubric for assessing quality in online education, and aligned courses in several nursing graduate programs to a set of core competencies in informatics for nurses.

Faculty participants:

Elizabeth Hill (Project Leader)
Jane Blood-Siegfried
Linda Goodwin
Carla Jean Rapp

Nancy Short
Steve Talbert

Graduate student partner:

John Skinner

Jump Start Grants

The jump start grant program provides “just in time” support to help instructors with some component of an instructional technology project. The goal of the program is to help instructors get started on a new project and learn new technology skills, with the instructor and his/her department or school taking on the completion and ongoing support of the project. This program provides up to \$5,000 in direct costs, student worker assistance and/or reserved access to equipment in CIT's Instructional Technology Lab.

Projects funded with the Jump Start program in 2004-2005 included:

- Funding for student travel to present about instructional use of iPods in writing at an academic conference
- Experiments with Geographic Information Systems (GIS) technology for classroom use
- Setting up web logs (“blogs”) and wikis for a variety of courses

Scanning the horizon and testing new tools

In order to successfully support faculty ideas and innovation, CIT staff are continuously testing new technologies that may be beneficial in meeting the needs of and improving the teaching effectiveness of faculty. Just a few examples of the types of tools investigated by CIT include:

- Blog and wiki tools
- RSS feed aggregators
- Podcasting Tools
- Text-to-speech software
- Desktop software for capturing images and animated demonstrations
- Audio and video search and retrieval tools

A comprehensive list of these tools is included in Appendix B.

Next steps for Encouraging Innovation in 2005-2006

- Revise grants program to better align projects with university and school goals and best fit faculty schedules and interests
- Support a variety of experimental IT projects through the Duke Digital Initiative including collaboration tools, handheld technologies and tablet PCs, digital video, digital audio, and digital images
- Work with content publishers and technology vendors to explore new models for using digital materials and digital tools in courses
- Expand Blackboard to support faculty requests for new functionality and tools (e.g. blogs and wikis, Brownstone EDU assessment tools)

Duke's decentralized planning and budgeting for IT encourages innovation and allows decision making by those most directly affected by the decisions. At the same time, it can create confusion for faculty seeking help and may lead to either overlap or gaps in services. One of CIT's key roles has been to serve as an information broker for department and school IT groups, connecting individuals with common interests and looking for opportunities to share technology resources. CIT staff work with individual faculty, department deans, advisory groups and committees to better coordinate IT services.

Collaboration with Library Departments

CIT implemented the recommendations of its five year review, with the result that the Director has a more significant role in campus IT planning and the library. CIT has become more closely integrated with a range of library services and committees. CIT's collaboration with other library departments during the past year included:

- Planning and advice for the new Digital Production Center
- Participation in the Digital Library@Duke Review
- Co-planning with subject librarians for faculty services and orientation activities
- Participation in the LUNA Insight Steering Committee charged with promoting the Duke Image Base and understanding the instructional imaging needs of its patrons.

UWA Lecture Recording System Pilot

Kirk Griffin of CIT has been working closely with Fred Westbrook in OIT and Hannah Arps in Arts & Sciences on a pilot of an automated lecture recording system for classroom use (formerly called iLecture). This system record lectures for later on-demand access by students (including podcasting) and re-use by faculty. CIT and OIT have worked together on installation and testing, developing policies for scheduling use, and evaluation of the pilot. In the coming year the system will be piloted in three Arts & Sciences locations and in several other schools at Duke.

Details about the pilot project are available on the CIT web site.

(<http://cit.duke.edu/about/ilecture.do>)

Campus committees led by or on which CIT staff served in 2004-2005 include:

- Arts & Sciences Computing Committee
- Academic Support Technology Executive Committee (ASTECC)
- Blackboard Advisory Group

Blackboard / Brownstone EDU Pilot Team
Blackboard Technical Team
Campus Blogs and Wikis Working Group
Duke Digital Initiative Core Team
Duke iPod First-Year Experience
Duke Web Community
DukePass Portal Working Group
Educational Research Group (Medical Center)
iLecture Pilot Planning Team
Information Commons Steering Committee & IT Subcommittee
Information Technology Advisory Committee (ITAC)
iPod Project Evaluation Faculty Advisory Group
LUNA Insight Steering Committee
Steering Committee, Peoplesoft/ Blackboard gradebook integration project
Duke Web Standards Committee

Next steps for Connecting Technology Plans and Services in 2005-2006

- Build a sustainable support model for digital audio and iPod use at Duke that engages department IT support staff, subject librarians, library IT staff, OIT, and others
- Work with IT groups across campus to plan and conduct course experiments and infrastructure initiatives with digital audio, video, images, handheld technologies, and collaboration technologies as part of the Duke Digital Initiative
- Work with OIT and school IT groups to continue piloting the UWA lecture recording system

BUILDING PARTNERSHIPS BEYOND DUKE

Because technology innovation requires significant investments of time, energy and money, we must seek opportunities for collaboration with private industry, foundations, and other educational institutions. Professional development and networking with groups outside of Duke are central parts of all CIT staff members' jobs.

Visibility for CIT increased greatly this year primarily due to the publicity surrounding the Duke iPod project. Traffic to the CIT web site increased significantly, particularly when CIT iPod project profiles were highlighted on the Duke Home page several times over the year. In addition, the announcement of the Duke Digital Initiative resulted in a tripling of traffic to the CIT web site over normal levels. Throughout the year, faculty and staff from a variety of organizations contacted CIT with questions or offers of partnerships in response to the iPod project. In some cases ongoing partnerships were established.

Samples of external organizations that contacted CIT

- Emory University
- Georgia College and State University
- Harvard Library
- McGraw Hill
- National Defense University
- National Institutes of Health
- Public Radio International
- Texas A&M University
- Yale University

Professional organizations in which CIT staff actively participated in 2004-2005:

- American Council of Teachers of Foreign Languages
- American Evaluation Association
- Apple Digital Campus Executive Committee and Steering Committee
- Blackboard Open Source
- Blackboard Southeast Users Group
- Computer-Assisted Language Instruction Consortium
- EDUCAUSE and the affiliated National Learning Infrastructure Initiative
- International Association for Language Learning Technology

- Ivy-Plus Academic Computing Directors
- NELINET, a network of over 600 New England libraries
- North Carolina Project Management Institute Education Committee
- TRI-IT, an instructional technology group from Triangle and Triad colleges and universities

Highlights of Professional Staff Activities

Over the past year CIT staff increased outreach through presentations, meetings, and other events. Highlights include:

Lynne O'Brien, Amy Campbell, and Samantha Earp co-authored a book chapter which recently appeared in print as cited below:

O'Brien, L, Campbell, A, and Earp, S. (2005). CMS Implementation as a Catalyst for Curricular Change. In P. McGee, C. Carmean, and A. Jafari (eds.) *Course Management Systems for Learning: Beyond Accidental Pedagogy* (pp. 114-130). Hershey, PA: Information Systems Publishing (an imprint of Idea Group, Inc.)

On April 1, 2005, Lynne O'Brien gave a keynote address entitled "Duke's e-learning with the iPod" at the annual conference for NELINET, a cooperative of more than 600 academic, public, and special libraries in the New England.

CIT and Duke University hosted the Blackboard Southeast Users Group (BbSEUG) conference from September 23-25, 2004, with over 200 attendees from at least 90 institutions across the southeast. This conference was planned and coordinated by a conference committee led by Amy Campbell.

As part of their Teaching with Technology Series, Matthew Gardzina gave a presentation at Davidson College entitled "Stimulating Intellectual Life with the iPod" in March, 2005.

In November, 2004 Yvonne Belanger presented, "Evaluation Practice and Technology Applications in Higher Education" at the American Evaluation Association national conference in Atlanta, GA.

Jim Coble gave the most well-attended presentation at CIT's Instructional Technology Showcase on April 28, 2005, "Using Blogs, RSS Feeds, and Podcasting in Teaching."

A detailed list of staff professional activities is included in Appendix A of this report.

Next steps for Building Partnerships Beyond Duke in 2005-2006

- Ongoing partnership with Apple Computer, Belkin, and a variety of other vendors through the Duke Digital Initiative
- Continued partnership and collaboration with Stanford, The Ohio State University, Pennsylvania State University, and the University of Missouri at Columbia through the Apple Digital Campus Exchange
- Partnership with Public Radio International including subject librarians and at least 8 faculty to implement use of PRI audio content in Duke courses
- Respond to vendor offers to try new tools
- Present at EDUCAUSE as well as local and regional conferences

LEARNING WHAT WORKS BEST

To ensure that resources are wisely invested, that faculty time and effort are well used and that successful innovations become institutionalized, CIT staff conduct various research and evaluation efforts. We seek feedback on CIT programs and services, help faculty reflect on the impact of new technologies on their teaching, benchmark Duke's IT activities against those of other universities, and discuss IT plans and progress with a variety of groups on campus and outside Duke.

Throughout each year, CIT publishes a variety of reports on its programs and services to its web site: http://cit.duke.edu/about/standard_reports.do

Highlights of CIT's assessment and evaluation activities for 2004-2005 are included below.

CIT's five year review

In 2004, CIT underwent a five year review. An external expert review panel conducted a two day site visit, meeting with faculty, administrators, library staff, and CIT staff to gather information about CIT's activities and perceptions of CIT's success at fulfilling its mission. Their report concluded that CIT has made great strides, building a positive reputation on campus as an effective organization. Some specific recommendations from the review included:

- Increase CIT's integration in the library through greater involvement and collaboration with other library units
- Include the CIT Director as a member of the library Executive Group and ensure that she is freed up to focus on strategic issues, increasing staff as needed
- Fully engage CIT, OIT, and the library to "establish a locus of strategic institutional planning for academic computing"

Evaluation of Duke iPod First-Year Experience

The Center for Instructional Technology (CIT) coordinated an evaluation of the academic use of iPods, drawing on course-level feedback; student and faculty focus groups; a broad survey of first-year students and faculty; and discussions and feedback among staff, administrators and important campus stakeholder groups.

This evaluation focused on the feasibility and effectiveness of the iPod as a tool for faculty and student academic use. The complete report was made available on June 15, 2005:

http://cit.duke.edu/pdf/ipod_initiative_04_05.pdf

CIT has received much positive feedback on this report from within and beyond the Duke community, including reports that other schools and vendors are using it as a basis for their planning.

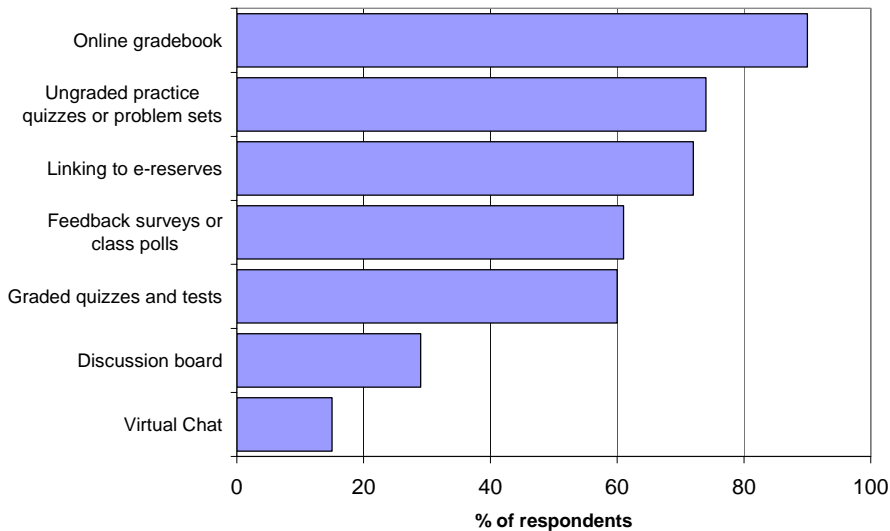
Evaluation of Blackboard at Duke

CIT continues to work with the Blackboard Advisory Group and Blackboard Team to assess how well Blackboard's features are meeting the needs of Duke faculty and students, and what other features or tools might extend its functionality in ways desirable to faculty. The number of courses and faculty using Blackboard has continued to increase. In fall 2004 at least 1150 courses used Blackboard, an increase of approximately 15% over fall 2003 usage.

In late November and early December 2004 all students and instructors using Blackboard were offered the opportunity to respond to a feedback survey. 2264 student and 159 instructor surveys were received. Key findings included:

- Students and faculty both report that Blackboard is a convenient tool for enhancing course-related communication
- Students' appreciate the Blackboard gradebook feature and generally want more faculty to provide online access to grade information
- Students and faculty both commented on Blackboard's support for fairness and mutual accountability (e.g. documenting assignment requirements stated by faculty, holding students to deadlines, improving communication about grades)
- Blackboard, when used effectively, is perceived as a useful tool for efficient management of course information and documents by both students and faculty (see chart below for most helpful features)

Features helpful in all or most courses (n = 2266)



In preparation for the integration of Blackboard's gradebook with the newly implemented PeopleSoft gradebook, CIT surveyed and convened focus groups of faculty using the Blackboard gradebook to ensure that the most important instructional uses would be supported and prioritized. In addition, each semester CIT takes a snapshot of Blackboard use and combines this information with data about course offerings at Duke to track trends in departmental use of Blackboard.

Evaluation of Fellows program in 2004-2005

CIT evaluated both the individual and group Faculty IT Fellows program through focus groups, questionnaires, and observations of staff. Faculty reported the program to be worthwhile and indicated that their participation had a positive impact on both their courses and professional development. In response to concerns from many of the Fellows in the individual program about the time commitment required, CIT has modified the program for 2005-2006 to enable faculty to participate for a semester rather than the entire academic year. More details about the 2005-2006 Fellows program can be found here:

<http://cit.duke.edu/help/funding/fellows/fellows.do>

Revision of assessment materials on CIT web site

As part of the CIT web site redesign in summer 2004, the evaluation and assessment resources were revised and reorganized to provide more tools, templates, and models for faculty conducting assessments of instructional

technology projects in their courses. The new organization provides five areas of resources aimed specifically at the audience of Duke teaching faculty:

- Research on the effectiveness of Instructional Technology
- Six steps to conducting a project assessment
- Sample instructional technology assessment reports
- Tools and templates for assessment
- Resources on CIT Evaluation Approaches

<http://cit.duke.edu/ideas/assessment.do>

Next steps for Learning What Works Best in 2005-2006

- Increase faculty involvement in project goal setting, data collection, and evaluation efforts
- Provide evaluation reports about CIT programs and services suitable for a wide audience of administrators, faculty, and the broader higher education community
- Assess faculty funding programs to ensure that these programs and resource allocations are well-aligned with school, department, and institutional priorities

Appendix A: Summary of CIT Staff and Professional Activities

In addition to the staff listed below, CIT is pleased to welcome the staff of Foreign Language Technology Services who joined CIT on July 1, 2005. These include Amy Hendrix, Nan Wang, and Laura Atkinson.

Joint Publication

O'Brien, L, Campbell, A, and Earp, S. (2005). CMS Implementation as a Catalyst for Curricular Change. In P. McGee, C. Carmean, and A. Jafari (eds.) Course Management Systems for Learning: Beyond Accidental Pedagogy (pp. 114-130). Hershey, PA: Information Systems Publishing (an imprint of Idea Group, Inc.)

Lynne O'Brien, Director of Academic Technology and Instructional Services

Member, Perkins Library Executive Group

Member, Information Technology Advisory Committee (ITAC)

Member, Academic Support Technology Executive Committee (ASTECC)

Keynote speaker, NELINET Conference, April 2005

Planning and Sustaining Comprehensive Evaluations of Instructional Technology Support Programs

Co-presenter with Yvonne Belanger, CIT and Joan Falkenberg Getman, Cornell University EDUCAUSE National Conference, October 2004

Amy Campbell, Assistant Director and Head of Faculty Services

Member, Arts & Sciences Computing Committee

Member, Academic Technology Committee

Chair, CIT Program Coordinator search committee

Chair, CIT Academic Technology Coordinator for Online Education search committee

Perkins Library Departmental Move Coordinator, Bostock Move

Professional and Organizational Development Network for Higher Education (POD Network)

Host and organizer, Blackboard Southeast Users Group Conference, Durham, NC, Sept 2004

Attended:

Innovations in Instruction Conference, Elon University, August, 2004

Tri-IT meeting, UNC-Chapel Hill, Oct 2004

Managing at Duke workshop series, March 2005

UNC Teaching and Learning with Technology Conference, Raleigh, NC, March/April 2005

Blackboard Users Conference, Baltimore, MD, April 2005

Yvonne Belanger, Program Evaluator

Member, Education Research Group, Duke University Medical Center

Member, Search Committee, CIT Program Coordinator

Member, Search Committee, Academic Technology Consultant for Online Learning

Member, American Evaluation Association

Member, Association for Institutional Research

Institutional representative, Apple Digital Campus Steering Committee

Planning and Sustaining Comprehensive Evaluations of Instructional Technology Support Programs

Co-presenter with Lynne O'Brien and Joan Falkenberg Getman, Cornell University at EDUCAUSE National Conference, October 2004

Evaluation Practice and Technology Applications in Higher Education

Presentation at American Evaluation Association, November 2004

Persuasive Pervasive: Real Learning or Hype?

Panel presentation with Stanford, Pennsylvania State University, The Ohio State University, and University of Missouri at Columbia at the EDUCAUSE National Learning Infrastructure Initiative Meeting, January 2005

Assessment and Evaluation in a Pervasive Environment: Real Research and Practical Tools

Panel presentation with Carl Berger, University of Michigan and Melissa Poole, University of Missouri at Apple Digital Campus Leadership Institute, April 2005

Attended:

Workshop on Conducting Focus Groups and Focus Group Moderator Training, November 2004

Neal Caidin, Applications Manager

Chair, Duke Blackboard Advisory Group

Hiring Manager, Applications Specialist Search Committee

Member, Blackboard Technical Team

Member, Portal Services Advisory Group, Dukepass

Member, Information Commons Steering Committee

Member, Operations Roundtable

Member, Academic Support Technology Working group

Member, Steering Committee, Peoplesoft/ Blackboard gradebook integration project

Tech Lead, Instructional Technology Showcase, April 2005

Member, North Carolina Chapter, Project Management Institute
Team Lead, Bb Open Source Advisory Group

Duke 'Create User' Building Block
Presentation at Blackboard Developers Conference, July 2005

Attended:

Tri-IT Meeting, May 2005

TRLN Information Commons Symposium, February 2005

Blackboard Southeast Users Group Conference, September 2004

Jim Coble, Head, Instructional Technology Applications and Facilities

Chair, Blackboard / Brownstone EDU Pilot Team

Chair, CIT Assistant Director Search Committee

Member, Campus Wikis and Blogs Working Group

Member, Information Commons Technology Subcommittee

Member, Library Human Resources Manager Search Committee

Expanding Blackboard's Assessment Capabilities with the Brownstone EDU Building Block
Presentation at Blackboard Southeast Users Group Conference, September 2004

Using Blogs, RSS Feeds, and Podcasting in Teaching
Presentation at Duke Instructional Technology Showcase, April 2005

Attended:

EDUCAUSE 2004 Annual Meeting, October 2004

TRLN Information Commons Symposium, February 2005

Managing at Duke workshop series, March 2005

Tri-IT Meeting, May 2005

Samantha Earp, Head, Foreign Languages Instructional Technology Support

Member, Duke Multimedia Planning Group

Member, Blackboard Advisory Group

Member, International Association for Language Learning Technology

Member, Computer-Assisted Language Instruction Consortium

Member, American Council of Teachers of Foreign Languages

Planned Duke foreign language, technology component for Slavic and East European
National Foreign Language Resource Center
Consulting Services Coordinator, International Association for Language Learning
Technology

Workshop leader, Teach with Technology Professional Development Workshop Series, co-sponsored by Houghton Mifflin, The American Council of Teachers of Foreign Languages, and the International Association for Language Learning Technology

"You can do that: multilingual uses of Blackboard", Presented at Blackboard Southeast Users Group Conference

"Multimedia and Web tools for foreign language instruction", workshop for Slavic & East European National Foreign Language Resource Center Summer Teachers' Institute

Attended:

Blackboard Southeast Users Group Conference

Matthew Gardzina, Academic Technology Consultant

Coordinator, CIT Instructional Technology Showcase 2005

Member, Blackboard / Brownstone EDU Pilot Team

Chair, CIT Applications Specialist Search Committee

Stimulating Intellectual Life with the iPod

Presentation, Davidson College Teaching with Technology Series, March 2005

Attended:

Innovations in Instruction Conference, Elon University, August, 2004

UNC Teaching and Learning with Technology Conference, March/April 2005

Blackboard Southeast Users Group Conference

Tri-IT Meeting, October 2004 and May 2005

R. Kirk Griffin, Academic Technology Consultant for Multimedia

Joined CIT in December 2004

The Duke iPod First Year Experience; Froshlife - Student Movies

Panel presentations at Apple Digital Campus Leadership Institute: University of Missouri School of Journalism, April 2005

Recording Faculty Lectures: iLecture at Duke University

Presentations at CIT Showcase, Duke University, April 2005

Randy A. Riddle, Academic Technology Consultant

Attended:

UNC Teaching and Learning with Technology Conference, March/April 2005

Teaching, Learning, & Research: Libraries and Their Role in the Academic Institution,

American Research Libraries distance learning webcast, March 2005

Cynthia Varkey, Web Designer

Member, Duke Web Community

Member, LUNA Insight Steering Committee

Member, Web Standards Committee

Attended:

Blackboard Southeast Users Group Conference

Tri-IT Meeting, October 2004 and May 2005

TRLN Information Commons Symposium, February 2005

Haiyan Zhou, Academic Technology Consultant for Online Learning

Joined CIT in November 2004

“Grounded Design: Developing Principles to Guide Web-Based Course Development”

Presentation at Duke Instructional Technology Showcase, April 2005

Appendix B: List of Software Tools Investigated in 2004-2005

For tools with promising applications to instructional situations, particularly tools which are freely available, CIT creates online tool descriptions and posts these on our web site. Links to those tip sheets are included below, when available.

Web-based Tools

Blogger - create blogs using simple online templates

<http://cit.duke.edu/ideas/tools/blogger.do>

Calibrated Peer Review - automates student peer review

<http://cit.duke.edu/ideas/tools/cpr.do>

Confluence – wiki tool for building collaborative web sites

del.icio.us - online bookmark manager

<http://cit.duke.edu/ideas/tools/delicious.do>

Flickr - online photo management and sharing application

(<http://cit.duke.edu/ideas/tools/flickr.do>)

Furl – personal online archive of web pages which produces RSS feeds

(<http://cit.duke.edu/ideas/tools/furl.do>)

Client Software

Captivate - creates interactive simulations and demonstrations

<http://cit.duke.edu/ideas/tools/captivate.do>

Picasa - personal digital image management software

<http://cit.duke.edu/ideas/tools/picasa.do>

Text-to-speech software including Text-Aloud and iSpeak it (Mac only)

<http://cit.duke.edu/ideas/tools/textaloud.do>

Podcasting tools such as iPodder, Vizacast

Audio file management tools including Senuiti (Mac) and iPod Agent (Windows)

TeamSpot - enables students working together in a room to collaborate easily using a shared display

Virage - organize and search video, audio, and other rich media content

Experience Sampling Program (ESP) - Palm-based questionnaire that can prompt user for input at defined intervals

Softchalk Lesson Builder - create interactive web pages including self assessment quizzes and interactive learning games