

**DIVISION OF INSTRUCTIONAL INNOVATION AND ASSESSMENT
VISION PLAN • 2007–2008**

SUMMARY OF REQUESTS

DIIA is requesting \$1,564,000 in the 2007–2008 ITAC Vision Plan. Of the total 17 requested items, 3 are student programs (\$224,000), 3 are faculty support (\$308,000), 8 support students and faculty (\$712,000), and 3 support the network, servers, hardware, and lab (\$320,000).

TOTAL REQUEST FOR 2007–2008 **\$1,564,000**

Ongoing Operations ***\$1,053,000***

~FAST Tex program	\$150,000
Multimedia e-space learning and teaching lab operation	\$130,000
Lecture recording and video podcasting support	\$75,000
Digital Media Services	\$139,000
Ongoing Course Assessment system (OCA)	\$10,000
eGradebook support and development	\$48,000
Course-Instructor Survey development and support	\$76,000
Lifecycle funding of staff equipment	\$100,000
Assessment of effectiveness of teaching with technology	\$100,000
TA/graduate student instructor Teaching with Technology certification	\$75,000
Blackboard support and development	\$150,000

Proposed New Ongoing Operations ***\$421,000***

DIIA Technology Horizon Project	\$48,000
Gaming and simulation technology evaluation and development	\$160,000
Centralized Courseware Grouping Software	\$103,000
Course development for technology-integrated classes	\$95,000
Mobile computing evaluation, assessment, and training	\$15,000

One-Time Capital Expense Projects ***\$90,000***

E-space learning and teaching lab	\$90,000
-----------------------------------	----------

OVERVIEW OF CURRENT IT PROGRAMS AND INFRASTRUCTURE

DIIA's mission is to integrate pedagogy, instructional technology, and assessment to promote effective and innovative instructional and evaluation practices in support of the University's core purpose and values. All ongoing, new proposed ongoing, and one-time capital expense projects align with DIIA's mission. DIIA is the only core unit that supports all colleges and schools with the services, programs, and projects that are implemented. Each one moves the University forward in the areas of teaching and learning, assessment, and the effective use of instructional technology.

DIIA INFRASTRUCTURE AND SERVICES SUPPORTED BY ITAC FUNDS

DIIA relies largely on the ITF allocation to fund our instructional activities, support the multimedia lab, and fund a large portion of our additional recurring expenses. For 2004–2005, DIIA and its Center for Instructional Technologies received ITAC funding of \$715,621, which represents \$405,671 for ongoing operations and \$309,950 for one-time projects. For 2005–2006, DIIA and its Center for Instructional Technologies received ITAC funding of \$650,429, which represents \$360,426 for ongoing operations and \$290,000 for one-time projects. For 2006–2007, DIIA received ITAC funding of \$597,436, which represents \$369,947 for ongoing operations and \$227,489 for one-time projects. ITAC helps to fund the following programs and services:

~FAST Tex—Administer and monitor faculty IT projects and employ 40-50 students annually. 28 projects currently in progress impacting more than 6,000 students.

IITAP—Conduct the 10th annual instructional technology incentive program for UT faculty involving call for entries, administration, management of review and judging panels, and an event at which entrants are showcased and winners announced.

Multimedia lab—Provide the only high-end production facility open to all UT faculty and students for class projects; the lab is open 64 hours per week, staffed by a manager, technicians, and part-time proctors.

Digital Media Services—Prepare students to be 21st Century professionals by assisting faculty in incorporating digital media in their courses and by providing students with training, consulting and access to high-quality digital media equipment, software and facilities.

Courseware—Provide training, second-tier expert consulting, and administration for Blackboard and other Web courseware tools.

Technical evaluation—Conduct exploration and development on new and emerging technologies.

Database production and maintenance—Build and maintain systems such as, World Lecture Hall, EUREKA!, e-Portfolio, and other in-house databases and systems to support students.

Resource development—Create Web site resources, tutorials, lab guides, journal submissions, and conference presentations.

Training—Conduct workshops, on-site and lab-based training sessions for faculty, graduate student instructors, undergraduates, and for classes based on requests from instructors.

Ongoing Course Assessment system—Allow faculty to solicit anonymous, secure student feedback online throughout the semester.

eGradebook—Allow faculty to maintain course assignments, related grades, and calculate final grades for their students in a secure online environment.

CIS/eCIS—Allow students to give feedback to faculty about their courses and teaching at the end of each semester.

Infrastructure—Provide network, servers, hardware, software, computers and lab equipment that support these programs and services.

These services support best practices by streamlining existing processes, allowing better communication and collaboration between faculty and students, training faculty in the effective use of technology, allowing faculty and students to use more technology in their classrooms, and

enabling DIIA to more effectively evaluate, assess, and implement emerging technologies on campus.

INFRASTRUCTURE AND SERVICES SUPPORTED BY LOCAL/SPECIAL FUNDS

DIIA receives student fee money and state-appropriated funds for developing policy for technology-enhanced learning and its other operations: credit-by-exam testing, petitioning, management of student credit-by-exam tests, test administration, computer testing labs, classroom scanning, administration of the course instructor survey, and online services that integrate student information.

DIIA does not receive other local money or special funding for operations that:

- Provide students and faculty reliable instructional technology services
- Make possible direct access to online and multimedia learning and teaching technologies
- Support and complement departments and colleges in their endeavors to promote innovation in instruction
- Partner with colleges in the research and development of instructional technologies
- Collaborate with other campus entities in implementing technology grants

Collaborative proposals not included in the DIIA ITAC Vision plan include:

DIIA/LAITS/LIBRARIES DASE INTGRATION PROJECT

NEEDS AND PROPOSED USE OF FUNDS

Ongoing Operations

\$1,053,000

~FAST Tex program

\$150,000

Continuing funds are needed for 40-50 students to support 30-40 new projects. Includes lifecycle replacement of equipment and hardware and software upgrades, content and digitization service purchases, and large-scale projects on a two-three year phased development process.

Multimedia e-space learning and teaching lab operation

\$130,000

Continuing funds are needed for equipment and software upgrades, lifecycle replacement, and salaries for a systems analyst and part-time proctors to manage and operate the lab.

Lecture recording, podcasting, and presentation support

\$75,000

A mobile lecture webcasting system has been successfully used to record all class lectures in the pilot Signature course with an enrollment of more than 200 students in Fall 2006. To continue research and expand the support of online instruction development with rich-media including webcasting, screencasting and podcasting, one mobile encoding system will be purchased and student assistants will be hired to facilitate production and training. Licenses for tools must be renewed, equipment and server support must be maintained. Our mobile encoding system as well as recording facilities and equipment will be made available to UT faculty and students for developing online lectures and presentations. Continual server administration will insure that archival lectures and presentations continue to be available for students, faculty, the UT community and beyond.

Digital Media Services

\$139,000

To continue to expand services to increase digital media fluency in students and faculty, highly skilled graduate student assistants must be hired to assist in developing new workshops, tutorials, and online resources. Student assistants will provide training, peer-to-peer consulting and guidance to students who are learning to use digital media development tools to complete class assignments. Additional audio and video equipment must be purchased to increase our lending inventory. DIIA will also organize and host events and opportunities for students to practice emerging technologies and techniques.

Ongoing Course Assessment system (OCA)

\$10,000

Continuing funds are needed to coordinate, enhance, and support UT Austin's Web-based Ongoing Course Assessment system to provide both qualitative and quantitative statistical data to assess teaching effectiveness by both faculty and students.

eGradebook support and development

\$48,000

Continuing funds are needed to coordinate, enhance, and support UT Austin's Web-based eGradebook system with which faculty can manage course assignments and each student's related grades throughout the semester. The system can automatically calculate final grades and integrates directly with the University's Online Grade Submission system.

Course-Instructor Survey development and support (CIS/eCIS)

\$76,000

Continuing funds are needed to support the CIS process from distribution of paper forms to data-gathering and generating results. This system will continue to enable automatic creation of results on the Web for deans, chairs, and faculty. Fast reporting would allow faculty to make meaningful and expeditious adjustments to their courses, before the beginning of the next semester, based on student feedback.

Lifecycle funding of staff equipment

\$100,000

DIIA staff hardware, software, and peripherals require timely upgrades and replacement in order to properly serve our clients. We are implementing a four-year replacement cycle.

Assessment of effectiveness of teaching with technology

\$100,000

Continuing funds are needed for an evaluation specialist to provide assessment-specific support for faculty who integrate technology in their teaching, two graduate students who have expertise in qualitative and quantitative data collection and analysis, and equipment to record and transcribe qualitative interviews. Duties include evaluating the effectiveness of online courses and lectures, new and existing online resources, new multimedia instructional materials, and ~FAST Tex projects, as well as providing IITAP entry consulting. This request also supports research studies to inform the effective use of technological resources for teaching and learning.

TA/graduate student instructor Teaching with Technology certification

\$75,000

DIIA, in collaboration with the Office of the Provost, Office of the Graduate Studies, and the International Office, has developed a series of workshops focused on teaching with instructional technologies. The series will lead to a certificate in technology-enhanced teaching methods and create a pool of qualified graduate student instructors for large classes, as well as train future faculty skilled in using technological innovations in teaching and student learning. Two graduate student instructional designers will be hired to provide development and training.

Blackboard support, development, and training

\$150,000

Continuing funds are needed for two training specialists hired to provide support for faculty using Blackboard. In addition, Blackboard is built on a core system that can be expanded and customized. For custom modules that require in-house development, DIIA requests continuing support for one Java/JSP-skilled programmers.

Proposed New Ongoing Operations **\$421,000**

DIIA Technology Horizon Project **\$48,000**

Funds are needed to research, evaluate, and assess horizon technologies for instructional uses. DIIA will hire one highly-skilled and experienced Graduate Research Assistant to facilitate a DIIA research task force. The task force will be charged with investigating several emerging technologies, documenting each technology and its educational applications, and disseminating monthly and annual reports to UT faculty and staff. In addition to salary requirements, equipment and associated licenses must be purchased.

Gaming and simulation technology evaluation and development **\$160,000**

Funds are needed for three GRAs and a senior systems analyst to research, evaluate, and assess gaming technologies for instructional uses. DIIA will first focus on Second Life as a gaming engine to be used in the classroom to enhance student learning. DIIA will hire one GRA to provide the assessment analysis and two GRAs to support the graphic design element needed for the gaming environment. Equipment and software will also be needed to support research and instruction regarding the use of videogames to enhance student learning and instruction at UT Austin.

Centralized Courseware Grouping Software **\$103,000**

Funding is needed to enhance all centrally supported courseware systems at UT that allow faculty to group their classes together in more efficient and effective ways. This software will provide a central location that faculty can go to group their classes in meaningful ways to support the classroom. Services such as Blackboard, Ongoing Course Assessment, eGradebook, CLIPS, eCIS, and other systems will be able to utilize this software solution.

Course development for technology-integrated classes **\$95,000**

DIIA will hire an instructional designer and media specialist to work directly with faculty and graduate student instructors to develop learning objects that incorporate multimedia and interactive elements to enhance the effectiveness of the instructional process and improve learning environments.

Mobile computing evaluation, assessment, and training **\$15,000**

Faculty and students may use mobile computing (e.g. tablet PCs) to enable presentation annotations, demonstrate explanations, draw graphs, make handwritten notes for later text conversion, and write math equations. New equipment and software licensing (DYKNOW) is needed to effectively research and evaluate various mobile technologies for their usefulness for teaching and learning and to create related workshops for faculty and students.

One-Time Capital Expense Projects **\$90,000**

E-space learning and teaching lab **\$90,000**

To install new flooring and to purchase mobile and modular lab furniture for a flexible physical settings so the lab can be adapted to facilitate group work, peer-to-peer collaboration, presentations, training, or traditional lectures.