

# Student Computing Fee Report FY2000

This report was prepared by Information Technology Services to provide information to the Provost's Office on how the Student Computing Fee Funds were allocated and spent in FY2000. The process for allocating funds that was initiated last year had a reporting component as an integral part of it. Please see the Appendix for a copy of the process.

Any questions concerning this report or the process by which funds were allocated should be directed to David Dobbins by telephone at 384-0750 or e-mail at [david-dobbins@uiowa.edu](mailto:david-dobbins@uiowa.edu).

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## SCF Allocation Spreadsheet

**University of Iowa**  
**Student Computer Fee Allocations**  
**Fiscal year 1999-2000**

**Student Fee-Allocation**

Liberal Arts	\$450,000
Business	\$515,000
Dentistry	\$35,000
Education	\$19,000
Engineering	\$533,540
Law	\$136,600
Nursing	\$12,000
Pharmacy	\$16,000
Classrooms	\$200,000
ITCs	\$1,034,177
Innovative Proposals	\$252,825
<b>Total</b>	<b>\$3,204,142</b>

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## College of Liberal Arts Report

### Committee Report

## Liberal Arts Student Computer Fee Allocation

### The Basic

A committee was formed in November to formulate a process to solicit and review proposals for student computer fee allocations. The committee included 9 voting members (6 faculty, 2 undergraduate students, and 1 graduate student) and 2 non-voting members from the staff of the College of Liberal Arts. A call for proposals was distributed through the College's DEO mailing in December. The program was announced at DEO meetings and in the Liberal Arts Faculty Assembly. In addition, departments were asked to distribute copies of the call to all members of their faculty.

- **Allocation: \$450,000**
- **Number of Proposals: 32**
- **Total amount requested: \$803,000**

### Review Process

Each proposal was reviewed by three faculty members and one student. One of the faculty reviewers was designated as the primary reviewer. This reviewer was responsible for collecting individual reviews, taking notes of the discussion in the review session, and writing a summary report to be distributed to the authors. Reviewers were assigned through an overly complicated combinatorial scheme that spread everyone's assignments over the range of budgets, maximally mixed combinations of reviewers, and avoided conflicts of interests (no one reviewed a proposal from their home department)

Prior to the review session, the Committee solicited assistance from ITS. ITS received copies of all proposals and provided valuable comments regarding feasibility, hidden costs, alternative technologies that could provide superior performance or cost savings, and by noting possible connections to other activities or facilities.

The Committee met on Wednesday, March 22<sup>nd</sup>, to discuss the proposals.

Based on these discussions, the Committee made funding recommendations to the Dean.

The Dean supplemented the student fee allocation with \$70,000 in collegiate funds. Thus, the total amount awarded was \$520,000.

## **Observation**

1. Departmental labs play a central role in academic computing. These labs provide access to specialized hardware and software that is unavailable in the ITCs. In many cases, they provide students with 24 hour access to facilities. Some departments have teaching assistants hold office hours in their labs to provide on-hand consultation on the use of software and on questions about assignments. In many departments, the labs are a core component of the academic culture.
  
2. Roughly 60% of this year's awards can be classified as renewal of basic computing infrastructure. Most of these requests covered only a portion of the department's facilities. We expect that many of these labs will require approximately the amount of the award every year in order to maintain current facilities.
  
3. The number of departmental labs is likely to increase as a broader spectrum of the faculty integrates specialized software and hardware as core components of their teaching. The remaining 40% of the awards can be categorized as new facilities that will have to be renewed in the future. Because the limited amount of funding, many of these facilities were partially funded with the expectation that future allocations would be used to grow the facilities in stages. By staggering purchases over several years, labs can take advantage of cost savings and expected gains in computing power and software capabilities.
  
4. For the most part, proposals with large budgets fell in one of two categories:
  - modest cost, general purpose workstations with specialized operating systems or specialized software to be used by large numbers of students.

(e.g. Chemistry, Physics, Mathematical Sciences, Geography, Geosciences)

- medium cost workstations dedicated to small groups of students for intensive project work.

(e.g. Art and Art History, Journalism and Mass Communication, Cinema and Comparative Literature, Communications)

5. Department labs are struggling to find ways to fund technical support staff to install and upgrade software, repair broken hardware and software, tune the network, monitor physical and electronic security, plan for renewal, and maintain the health and stability of the labs. In addition to this technical support, many labs need consultants in the lab to assist students using sophisticated software and peripherals. The demand for support staff is likely to grow with the increasing need for specialized computing across the College

## **Recommendations**

1. The amount of the allocation was too small to cover many worthy proposals. Based on this year's requests, it's clear that all disciplines are finding computers essential to their teaching. As demand for localized, dedicated facilities increases, this shortfall will certainly grow. **To meet the critical computing needs of the College, the Committee recommends that the level of student computer fees be substantially increased.**

2. Effective management of computing laboratories requires long-range planning and continual renewal. Without assurances of regular funding, it is impossible to schedule replacement and take advantage of important savings that are enabled by long-range planning. Moreover, the time spent in annual proposal writing and review is wasted for these core facilities. **To establish regular funding streams, the Committee recommends that in future years, well-established labs be encouraged to write proposals for three to five year periods.**

3. Support staff is needed to maintain departmental labs and to aid students using the labs. The current student computer fee allocation is insufficient to support the cost of support staff salaries. **To make effective use of laboratories, the Committee recommends that additional sources of revenue be allocated to fund salaries of locally-based support staff dedicated to departmental computing laboratories.**

# Individual Proposals for Liberal Arts

Department	Summary	Request	Comp. Fee	Dean	Contact
Art & Art History	Revitalize video editing facilities at Intermedia and Video Art Studios	\$ 51,133	\$ 31,000		Hans Breder Steven Strait
Military Science	Create computer lab to enhance WebCT for department courses	\$ 13,744	\$ -		Kyle Kolthoff Marc Wilson
Sociology	Purchase laptop for use by graduate students	\$ 4,016	\$ -	\$ 4,000	Jennifer Glass
Religion	Multimedia equipment for class presentations	\$ 9,842	\$ -		Diana Fritz Cates
Sociology	Implement a Computerized Advising and Information System for undergraduate students	\$ 26,491	\$ -		Jennifer Glass
Journalism & Mass Communication	Create a high-end digital imaging lab	\$ 50,000	\$ 45,000		John Soloski
Sociology	Hire ITC data analysis consultants to assist students with advanced statistical packages	\$ 6,020	\$ -		Michael Lovaglia
Physics & Astronomy	Upgrade departmental computers in teaching labs	\$ 117,354	\$ 72,354	\$ 20,000	Wayne Polyzou
Linguistics	Create linguistics computer laboratory for instruction and student research	\$ 37,207	\$ -		William Davies

Music	Accompaniment software (SmartMusic) for vocalists	\$ 1,132	\$ 1,132		Susan Sondrol Jones
Chemistry	Upgrade Undergraduate Computer Facility	\$ 65,438	\$ 65,438		Mark Young
Mathematics	Requesting recurring budget line to support instructional computing facilities in Computer Science, Mathematics, and Statistics	\$ 83,500	\$ 50,000	\$ 30,000	Jim Broffitt Steven Bruell Bor-Luh Lin
Geography	Establish small computer laboratory for Geography majors	\$ 16,234	\$ 16,234		George Malanson
American Indian & Native Studies Program	Digital technology use in field work	\$ 8,409	\$ 8,409		Larry Zimmerman
Language Media Center	Multimedia applications in language training	\$ 49,851	\$ 37,351		Sue Otto James Pusack
English	Establish a viable English undergraduate multimedia lab	\$ 27,608	\$ 27,608		Miriam Gilbert Jeff Porter
Cinema & Comparative Lit	Support production program within new CCL unit with advanced digital production and greater availability of resources	\$ 9,626	\$ 9,626		Franklin Miller Leighton Pierce
Communications	Upgrade core media to include nonlinear editing equipment and digital video cameras	\$ 25,167	\$ 14,576		Eric Rothenbuhler

History	Establish interactive computing stations in department's Teaching and Writing Center	\$ 3,781	\$ 2,281		Jacki Rand Heather Martin Michelle Rhoades
Geoscience	Maintain and upgrade 4 out of 6 instructional computing facilities	\$ 53,088	\$ 38,000	\$ 15,000	Ann Budd
Political Science	Provide current computers for entering graduate students	\$ 9,600	\$ -		John Nelson
Music	Enhance current and future WebCT courses for clinical music therapy	\$ 2,000	\$ -		Mary Adamek
Center for the Book	Install data line and furniture for student computer	\$ 1,300	\$ -		Suzanne Micheau
Center for the Book	Purchase desktop computer system for Type Kitchen student letterpress facility	\$ 5,220	\$ 4,500		Suzanne Micheau
Rhetoric	Refurbish computers in Writing Center and add mobile computing capability	\$ 19,534	\$ 9,433		Carol Severino
Social Work	Computer equipment to train Ph.D. students in latest teaching technologies	\$ 3,000	\$ -		Salome Raheim
Social Work	Digital camera to document activities in practice-based courses	\$ 900	\$ -		Salome Raheim
Theatre Arts	Integrate digital technology into design curriculum	\$ 9,952	\$ 9,952		Alison Ford

Library & Information Science	Upgrade and complete electronic classroom to allow digital video technology and other sophisticated applications	\$ 64,648	\$ -		Padmini Srinivasan
Music	Utilizing new technologies (video, digital recording, sound manipulations, digital metronomes and tuners) in flute studio.	\$ 9,983	\$ -		Tadeu Coelho
Music	Computer-based digital multi-track recording and editing equipment for percussion studio.	\$ 7,770	\$ 7,770		Dan Moore
Anthropology	Upgrade three 486 computers in laboratories used by undergraduate students	\$ 9,786	\$ -		Russell Ciochon

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## College of Business Report

### Report on the allocation of Student Computing Fees for FY2000

#### College/Department/Committee:

College of Business

The Leadership Council is a committee of approximately 20 students and includes the undergraduate Associate Dean and the Director of Computing for the College. This committee made recommendations on changes and upgrades that are proposed in our computing environment. In addition, there is a faculty and staff committee that is given the opportunity to suggest changes and upgrades. Faculty can also request software and hardware that will be used in our classrooms.

#### Description of allocation process:

The Director of CSO solicits recommendations from students, faculty, and staff for changes to be made in our computing environment. The Faculty-Staff committee and the Leadership Council both make a recommendation on which proposals should be funded. These recommendations are forwarded on to the dean who makes the final decision. There is also a part of the budget that covers operating expenditures from year to year. The various committees recommend a total of \$246,000.

#### Description of funded projects or expenditures

Major projects that were funded this year include:

1. Students started portfolio project to allow portfolios on our web server.  
\$10,000
2. Upgrade the computers in our Advanced Real-Time Information Center, ARTIC, that contain the computers used for both our financial access education program for finance students and our library training facility.  
\$27,000
3. Added 12 workstations to the ITC to provide additional service. This brings us to 110 computers in our ITC. \$27,000
4. The lab infrastructure was upgraded with the addition of switched network

hubs. This also included adding 100 MHz fast Ethernet capabilities to our infrastructure so as to connect our servers to the hubs. \$75,000

5. We added computing facilities to 6 conference rooms so students would be able to practice presentations and work on group projects. \$16,650

6. We supported the offering of computers in Daum pre-business floors to enhance the lab available to pre-business students. \$5,337

7. We added an electronic gate to our ITC to better determine usage of the ITC. \$7,500

8. Software for ARTIC and Finance student labs. \$51,162

9. Staff to manage labs and classrooms. \$47,466

10. Monitors for ITC. \$143,112

11. Software Upgrades and licenses and printing costs. \$43,934

## ITC Usage during the Spring Semester

### ITC Usage Jan-March

Month	Accesses	TCB Students	Non-Bus Students	Total Students	% Non- Business
Jan-00	14,626	1,941	1,593	3,534	45%
Feb-00	37,091	1,679	1,072	2,751	39%
Mar-00	32,226	1,707	874	2,581	34%
	83,943	5,327	3,539	8,866	40%

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## College of Dentistry Report

### Report on the allocation of Student Computing Fees for FY2000

#### College/Department/Committee:

College of Dentistry

#### Description of allocation process:

College of Dentistry SCF submittal process:

When the call for proposals comes out, the Dental Informatics Committee of the College of Dentistry convenes to review the request and initiates a collegiate request for projects. (The Dental Informatics Committee is chaired by the Exec. Associate Dean, and has as members (approx - varies) 4 students, 5 faculty, and 5 staff, each representing diverse areas in the

College.) These requests are prepared and submitted to the Informatics Committee for review and suggested prioritization. Often the author is present for the review. After appropriate reminders of the purpose of the deliberations, committee members vote to prioritize the requests, and eliminate low priority requests. The prioritized list is given to the Dean for approval or modification, and is then forwarded to the SCF committee.

#### Description of funded projects or expenditures:

The project incorporates those aspects of our long-term strategic plan of drastically increasing all areas of student access to electronic resources, encompassing lecture, simulation clinic, and patient clinic aspects of dental education. This plan benefits all 300 dental students and 100 post doctoral students.

We propose the acquisition of 13 desktop PCs and 5 laptop PCs. The 13 desktop PCs will be incorporated into a total redistribution of virtually all student and video projector PCs, resulting in a mix of equipment which can run all current applications including OHIS. The primary locations (ITL and video projectors) will receive these new PCs, and the higher end displaced PCs will then replace lower end PCs as well as add a couple of new access sites.

We have identified 5 locations in the clinics where a secured laptop computer (small profile needed due to constraints of the environment) would be placed such that it would be accessible for immediate information lookup. The proposal serves not only to meet a current need, but also to expand our Student Laptop evaluation project to determine the usability of laptops in a clinical environment.

13 desktops at \$1,900ea = \$24,700

5 laptops at \$2,740ea = \$13,700

**Grand total requested = \$38,400**

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## College of Education Report

### Report on the allocation of Student Computing Fees for FY2000

The College of Education used its Student Computer Fee Committee to allocate the \$19,000 made available to the College for FY2000.

#### Description of allocation process:

This committee is composed of two students and one faculty member from each of four divisions within the college and is chaired by Associate Dean Richard Shepardson. Faculty and staff in the college were encouraged to submit a short one or two paragraph proposal, explaining what they needed and how it would be used.

The seven proposals received were distributed to the committee prior to a meeting held April 12, 2000.

At the April 12th meeting, the committee established three criteria for allocating funds:

1. Class use (benefit to students)
2. Student use outside of class (equipment for checking out, etc.)
3. Faculty use

#### Description of funded projects or expenditures:

##### The following allocations were made

Items for which allocations were made	Total Initial Request	Amount Awarded
Curriculum Lab. Five replacement computers for students to use to preview CD ROMs, etc.	\$8,000	\$7,000
Video Lab. Digital video camera, Fire Wire 6gb hard drive and Sony DSR-20 deck	\$19,400	\$5,800

Music Education. Equipment to provide a minimum configuration for video generation and editing that is compatible with their existing audio resources.	\$6,900	\$4,200
Science Education. Replacement computer for roving presentation projector (the old equipment was very slow and prone to problems)	\$2,000	\$2,000

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## College of Engineering Report

### Report on the allocation of Student Computing Fees for FY2000

#### College/Department/Committee:

Funds were spent by a budget process from the IT department of the Engineering College.

#### Description of allocation process:

The Engineering College IT department budget process allocates all student computer fee funds based upon the capital hardware and software curricular needs of the College of Engineering. Input is received from faculty through their DEOs and directly from students and staff. The guiding principle in the budget process is to keep the curricular support environment viable by keeping the software and hardware environment current.

#### Description of funded projects or expenditures:

The Engineering College student computer fee funds are used to directly support Engineering College curriculum. This computer environment consists of commercial engineering software and a high performance client server hardware configuration. These funds are exclusively used to pay the capital costs of maintaining this state of the art dual UNIX and Windows computing environment.

To date for FY 99-00, the Engineering College has spent or encumbered approximately \$536,000 in Engineering College student computer fee funds to purchase new software and to replace about a fifth of our computer hardware.

- Software \$45,000
  - Site license for xwindows server software
  - Printer page accounting software
  - College license for MS project
- Student lab computers \$225,000
  - 20 NT workstations
  - 20 Unix workstations
- Server equipment \$120,000

- Backup server and DLT jukebox
- Disk drives
- Network equipment           \$146,000
  - network
  - Network switches
  - Router

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## College of Law Report

### Law Library 4-1-00

Law Student Computing Fees:	1999-
2000	\$136,600

### **Decisionmaking Personnel:**

The specific allocations of Law School Student Computing fees, which all go to the Law Library, are determined each year by a Law Library Committee composed of Arthur Bonfield, Associate Dean for Research, Mary Ann Nelson, Executive Law Librarian, and Reference Librarians Val Russell and Tom Eicher.

### **1999-2000 allocations for Law Student Computing Fees:**

<b>Total Salaries</b>	<b>\$3,090</b>
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Salary for computer teaching Assistant in Law	3,090
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in Law Library who assists law students with computing problems

<b>Total Student Computers</b>	<b>\$47,847</b>
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Supplies	777
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Software	608
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Repairs and upgrade	46
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Purchases under \$500	4,256
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Set aside of funds for replacement of 45 student computers in 42,160\*

Law Library every three or four years

**Total Telecommunications \$331**

**Total Database Subscriptions \$85,332\*\***

Westlaw 35,070

Lexis 33,258

Wilsondisc 1,680

MARCIVE 745

CCH Perform (state tax forms) 381

SilverPlatter 1,150

Treaties (Oceana) 1,045

Iowa Code 175

Legal Journal Index 1,828

Canada Statutes CD 689

Index Master 248

Social Science Electronic Publishing 300

New Databases 8,763

\*Student computers are replaced every 3-4 years. All student computers are due for replacement in the summer of 2000. They are replaced with funds set aside each year and accumulated for the simultaneous

replacement of all student computers in the Law Library.

**\*\*When Law Student Computer fees were first authorized by the University Central Administration and the Board of Regents, the purchase of electronic databases was expressly indicated as the first priority for the use of these funds; remaining funds were to be used for the purchase of computer hardware for students in the Law Library and for assistance for students in computing in the Law Library.**

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## College of Nursing Report

### Report on the allocation of Student Computing Fees for FY2000

#### College/Department/Committee:

**College of Nursing / Department of OICT (Office of information, communication & technology)**

Leadership of the undergraduate (UIANS) and the general membership and leaders of the Graduate Students.

#### Description of allocation process:

The College of Nursing had a desperate need to replace four Windows computers – 2 in the large classrooms and 2 mobile units with no funding available from any other source. The Director of OICT, Jo Eland went to both the Undergraduate and Graduate student groups with the request to spend their resources for these four machines. At the same time discussion was held as to what other needs the group had. Both groups requested CD-ROM burn units be placed in the ITC's. There was unanimous approval to undertake these activities.

Both groups are considering other expenditures. One expenditure might be the support of the eight computers received by the PhD students that were recycled out of the ITCs. This is under consideration by the group.

#### Description of funded projects or expenditures: As of 4/21/00

-Four Dell computers were purchased and placed (2 in classrooms and 2 on the mobile carts) Cost \$6816.00

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## College of Pharmacy Report

### Report on the allocation of Student Computing Fees for FY 2000

#### College/Department Committee:

College of Pharmacy – Information Technology Committee

#### Description of allocation process:

The statement of administrative structure for the Information Technology Committee states that the committee's charge is to achieve a coherent and comprehensive information technology environment that contributes to the educational, Research and service success of the College of Pharmacy faculty, staff and students by identifying current and future issues, determining strategies and plans, initiating mechanisms and structures and evaluating outcomes. The committee will advise the Dean and recommend policy. The committee consists of faculty and staff from each Division and students of the COP and one individual from Information Technology Service (ITS) recommended to the Dean by the ITS Director. The committee members and the chair will be appointed by the Dean for a term of three years. This committee reports to the Associate Dean for Professional Programs.

The Information Technology Committee prioritized the instructional technology needs of the College and submitted the prioritized list to the Dean for his approval.

#### Description of the funded project:

The recommendation of the committee with the approval of the Dean is to utilize the \$16,000 allocated to the College of Pharmacy toward the purchase of electronic projection equipment and an instructional personal computer for room S538 in the Pharmacy Building. This room is in the process of being converted into an ICN classroom but the main use of the room will be for computer projected presentations.

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# General Assignment Classroom Report

## Report on the allocation of Student Computing Fees for FY2000

### College/Department/Committee:

Space Planning and Utilization, Classroom Management Group

### Description of allocation process:

ITS, working with Space Planning & Utilization, Provost's office and the Classroom Advisory Committee, initiated a carveout from the student computing fees of \$200,000 in the continuing effort to support, maintain and provide technology to the approximately 200 general assignment classrooms in which the majority of the University's undergraduate curriculum is taught.

### Description of funded projects or expenditures:

The funds of this carveout are being used for the purposes set forth above. More specifically, the following equipment is being purchased:

A MAC G4 computer with virtual PC and zip drive; Wolfvision document camera, audio cassette, ceiling video/data projector, VHS VCR, teaching station and cables, extron switchers are being provided in three classrooms at the cost of \$24,868;

A replacement of outdated video ceiling projectors is being provided in three lecture rooms and two classrooms at a cost of \$64,527;

Nine classrooms will be provided with a Gateway Destination Computer (32" monitor), VHS VCR and Wolfevision document camera on a cart at a cost of \$66,140;

Two COWs (computer on wheels) with a MAC G4 computer with virtual PC and video/data projector will be placed in the equipment closets of BCSB and MLH at a cost of \$24,380;

Wolfevision document cameras will be placed in the two large lecture rooms in PBB at a cost of \$5,560;

Software for the above computers will be purchased at an estimate of \$1,000 or more;

Multi-standard VCRs were purchased for two classrooms in Phillips Hall where the use of this type VCR is required for foreign languages curriculum; The cost of these are \$1600;

A purchase of one spare projector and computer for immediate replacement when problems occur at a cost of \$12,179;

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# Instructional Technology Center Report

## Report on the allocation of Student Computing Fees for FY2000

### College/Department/Committee:

Information Technology Services—Instructional Technology Centers (ITCs)

### Description of allocation process:

The Coordinators of the ITCs were asked to submit their requests for needs in their ITC. They were requested to solicit input from the faculty that use the ITC. The computers in the ITCs are on a three-year recycle program so those ITCs with computers three years or older had those computers scheduled for replacement. ITS proposed the replacement computers. Several groups within ITS looked at the computer systems and worked with the vendors for the best pricing. The ITC Coordinators are consulted relating to the mix of computers (Macintosh and Windows) and any special computer needs of the ITC. ITS has consulted with several groups of students on what they would like to see in the ITCs and have administered a short survey to students in the ITCs and in the food lines at some residence halls. All this information is incorporated into the decision process.

### Description of funded projects or expenditures:

#### SCF Budget FY00

Description	Quantity	Cost	Total
<b>Computers</b>			
Gateway E4200 600 MHZ	254	\$1,260.00	\$320,040.00
Dell PII GX1 500 MHZ	15	\$1,695.14	\$25,427.10

Apple iMacs 350 MHZ 128 MB	19	\$1,036.00	\$19,684.00
Apple iMacs DV 400 MHZ 64 MB	170	\$1,063.00	\$180,710.00
Apple G4s for Education ITC	15	\$2,014.00	\$30,210.00
Mac OS X Server	1	\$8,683.00	\$8,683.00
Iomega Internal & External Zip drives	165		\$17,515.00
128 MB memory for iMacs	151		\$14,345.00
Memory upgrade for E3000	172		
<b>Security</b>			
All Secure security systems	1	\$1,552.00	\$1,552.00
<b>General Software</b>			
SPSS (Wind 95)	11		\$1,936.00
Quick Time Pro for Windows	41		\$1,229.00
Assimilator 2.0.2			\$1,395.00
Microsoft Office 2000	35		\$1,428.15
SAS	53		\$1,590.00
Finale 98 Lab packs and one copy	6		\$1,899.05
Quick Time Pro for Macs	650	\$19.99	\$12,933.50

Quick Time Pro for Windows	650	\$19.99	\$12,933.50
Microsoft Office 2000	300	\$41.00	\$12,300.00
Mirosoft Windows 2000	300	\$45.00	\$13,500.00
<b>ITC Specific Software</b>			
Education ITC Software			\$17,250.00
Language Media Center ITC Software			\$14,650.00
Music ITC Software			\$3,000.00
North Hall ITC Software			\$500.00
Nursing ITC Software			\$500.00
Pharmacy ITC Software			\$38,715.00
Political Science ITC Software			\$500.00
Schaeffer Hall ITC Software			\$1,000.00
Seashore Hall ITC Software			\$8,400.00
<b>Other Hardware for specific ITCs</b>			
Music ITC sound system			\$900.00
Language Media Center ITC Taga board			\$1,900.00
Disabilities Equipment for ITCs			\$3,500.00

**ITC Staffing**

Library ITC staffing				\$80,000.00
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**Workstations for Library**

101 computers for Library	101	1260	127260	
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**Student ID Project**

Compac Server				\$12,526.00
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AuditLogin Ver 3 Site License				\$1,000.00
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GPAS Printer Accounting Software				\$9,095.00
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1300 Client Enterprise Key				\$18,821.00
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**Wiring in Seashore Hall**

Data and electrical for W10, W408, & W13				\$15,000.00
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<b>ITC Grand Total</b>				\$1,033,827.30
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<b>AmountAllocated</b>				\$1,034,177.00
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## Innovative Proposals

### Report on the allocation of Student Computing Fees for FY2000

#### College/Department/Committee:

Student Computing Fee Advisory Committee—Innovative Proposal Process

#### Description of allocation process:

The Student Computing Fee Advisory Committee is comprised of six faculty/staff and six student members. The Committee solicits proposals from the University community that are innovative in applying technology to support student learning and/or electronic information access. The Committee reviews the proposals and makes recommendations on those that should be supported. The Committee recommended a total of \$252,825.

#### Description of funded projects or expenditures:

1. Lynn Johnson, College of Dentistry—This project is a collaboration between the College of Dentistry and the Hardin Library. The project proposes to investigate the impact of portable computers used during a problem-based learning session and to uncover issues that need to be resolved prior to implementing portable computing with students. The project requested 13 laptop computers and a wireless network. \$44,320

2. Tom Rocklin and John Archazoglou, College of Education—This project would create a Computer Lab on a Kart (CLOAK), containing 12 laptop computers, a wireless network, and an electrical system capable of charging all of the computers simultaneously. CLOAK will support collaboration among students and student use of technology both as digital resources users and digital resource producers. \$26,329

3. Tarrell Awe Agahe Portman, College of Education—This project requests technology to provide non-intrusive supervision of counselors-in-training. The technology would provide the ability for counseling students to receive live supervision and immediate feedback while in a counseling situation. The equipment includes 4 laptop computers and Web cameras. \$12,750

4. Heather MacDonald, Urban and Regional Planning, Graduate College—This project would acquire a Gateway Destination system to be used for instruction and

student presentations in the Graduate Program in Urban and Regional Planning. Changes in the curriculum demands increasingly intensive use of information technology, data sources, and computer software, such as GIS. \$3,427

5. Fred Dick, Pathology, College of Medicine—The proposed resources in this project will be used to digitize approximately 200 high-resolution virtual microscopic slides of normal or diseased human organs and tissue for use in five courses in the Medical and Dental curricula. The slides will be delivered over an Intranet using Virtual Slide Box. \$40,656

6. Samuel Huskey, Classics, College of Liberal Arts—This request proposes to upgrade the student computing facilities by adding two computers, a combination slide/flatbed scanner, a digital camera, and a read-write CD drive. This will permit the creation and access to a library of images. \$7,012.95

7. Leighton Pierce, Comparative Literature, College of Liberal Arts—This request is to enhance the current video-editing lab that supports the Introduction to Media Production course. Each of the ten student workstations would have 24 Gigabyte hard drives and Sony Media Converters added. \$7,000

8. Dale Stille, Physics and Astronomy, College of Liberal Arts—This proposal is for a dedicated computer server to provide movie clips of Physics and Astronomy lecture demonstrations and experiments for class presentations. In the laboratory, students would be able to view them and to download them to perform analysis. \$9,434

9. G. Robert Boynton, political science, College of Liberal Arts—This project will purchase equipment to multi-cast the transmission of audio and video materials for the course OnLine at Iowa which enrolls almost 2,000 student. A grant from the National Science Foundation will purchase part of the equipment. \$35,000

10. Robert Kirby and Lois Friday, Psychology, College of Liberal Arts—This request is to initiate a Web-based signup and logging system for students participation in Psychology research experiments that are required as partial credit for two general Psychology courses. A license for the software will be purchased. \$1,565

11. Lawrence Fritz, Music, College of Liberal Arts—This projects request three computers for the Electronic Music Studios which will enable students produce compositions using the latest technology. The new technology will continue the tradition of creative excellence and leadership in the electronic and computer medium. \$11,079

12. Lynn Cannon and Tim Smith, Chemistry, College of Liberal Arts—This project will support recent changes in the way chemistry is being taught by providing undergraduates access to molecular modeling software. Using molecular modeling techniques, students can predict how reactions will proceed, explore why unexpected products may result, and learn in depth about molecule shapes and reaction

mechanisms. \$10,713.75

13. James Snitzer, Art and Art History, College of Liberal Arts—This proposal requests a tabloid format laser printer to complete a computer workstation to support photographic and photo-printmaking applications. Several of the photographic and printmaking courses have digital components. \$2,000

14. Ebon Fisher, Art and Art History, College of Liberal Arts—This project would set up a “blue screen” area within the Digital Worlds classroom, which would allow extremely fine outlining of figures against a “chroma-key” colored background. These figures could then be digitally dropped in any imagery from worlds and environments that the students create. The School is offering a new program in computer arts. \$10,233

15. Julie Hochstrasser, Art and Art History, College of Liberal Arts—This project requested funding for computer-based digital projection capabilities for the auditorium in Art Building. Such capability permits the delivery of materials developed by the Art faculty, such as: Professor Roy’s CD ROM of Art and Life in Africa; Professor Dewey’s extensive database of art of Africa, Oceania, and the Americas; the Digital Image Library; and four WebCT courses. Acquiring this equipment is critical to the course offerings in Art and Art History. \$31,305

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