Agriculture & Biosystems Engineering

2005/2006 Use of student computer fees.

The use of student computer fees for last year accomplished the following for the department:

1. Partial funding of the department’s computer support specialist (Alan Kuutila), and his work in the departmental student computer labs. Amount = $1519.
2. Partial funding of a Grad / TA position. Covers that work that is done in the ABE student labs and other teaching related support. Amount = $8073.
3. Lab Monitors for I Ed II. The lab monitors cover evening lab hours (Sunday – Thursday). Amount = $5,212.
5. Monthly charge for data service to the labs (only showed up June – it was a correction). Amount = $7.

Planned expenditures (2006/2007)

The following projects are planned:

1. Upgrade computers in 10A I Ed II – used both as an open lab and for classes.
2. Upgrade GIS lab for Dr U Sunday Tim, at a cost of approximately $16k.
3. Replace cables in 201 IED II to solve network delay issues, at a cost of approximately $2.5k.
4. Upgrade computers in 10 IED II – specialized computers used for engineering and technology instrumentation-related classes. (May have to roll into following fiscal year.)

Ag Education & Studies

Accomplishments completed 2005/06

1. Undergrad Lab – general maintenance and software updates as needed
2. Graduate Lab – general maintenance and software updates as needed
3. 450Farm Lab – general maintenance and software updates as needed
4. Teaching Classroom – technology upgrade started May 06 and finished September 06. Upgrade included new computer, symposium console screen, Elmo document camera, Sony PTZ remote controlled capture cameras, VHS/DVD capture deck, VHS/DVD playback deck, large screen LCD displays, audio & video controls, Turning Point Keypads
5. Worked with Faculty to consider using eDoc and AgEdS ePortfolio Media Server. Progress will be made this fiscal year starting with the AGEDS 110 class for AgEd students.

Future Plans – 2006/07 and Beyond

1. Expendable Supplies (Yearly – Est. $2,500)
2. Repairs, Maintenance, & Security (Yearly – Est. $3,000)
3. Software Purchase/License Renewal (Yearly – Est. $2,500 - $3,000)
4. Student Server Hardware & software upgrades (Sum 07 or Sum 08 – Est. $15,000)
5. Grad Student Lab Network Printer (Sum 07 or Sum 08 – Est. $3,000)
6. Grad Students – Additional Workstations / Replacement of PIII’s (Sum 07 - $5,000)
7. Undergrad Student Lab – Replacement (Sum 09 - $25-30,000)
8. 450Lab – Replacement / Updating (Sum 10 - $15,000)
9. Maintain Suitable Cash Reserve (Yearly – Est. - $6-8,000)

Agronomy

2005/06
1. Funded the personnel working in computer lab G528.
2. Renewal for SAS software used by ISU students
3. Purchase of new computer & monitors in computer lab G528 and teaching lab 1102.
4. Purchase of new printers for computer lab G528 and teaching lab 1102.

2006/07 Plan
1. Continue funding personnel working in computer lab G528
2. Renewal of SAS software
4. Possible purchase a projector for room 1581 that is used for some classes.
5. Purchase a new flatbed scanner for room 2216 that is used by ISU students.
6. Computer fees will continue to be used to support and maintain the operation of the computer lab and support the upkeep of the computer equipment in the Agronomy classrooms.

Animal Science

FY06 Summary
The largest hardware expenditure ($14,721.42) for this fiscal year included a replacement of the computers in the student lab in 124 Kildee. The next largest expenditure ($12,486.62) was the installation of four Hitachi computer projectors in our computer lab (1 Kildee) and two other classrooms (25 Kildee and 2310 Kildee). One of these classrooms (2310 Kildee) is a large wide room that required two projectors. Finally, we added a color printer ($3,450) to the student computer laboratory (1 Kildee).

Software expenditures were mostly updates of existing software. Our Adobe suite of software ($7,888) was updated to the latest version and expanded to 20 copies shared over both computer labs. Two machines are dedicated to multimedia software and have Macromedia Studio MX and Camtasia Studio ($643). A few other software titles that support the labs were updated ($557). All major hardware and software expenditures were discussed with our departmental advisory committee before they were purchased. The departmental advisory committee has half of the committee membership consisting of Animal Science students.
The only other significant expenditure ($2,084.12) was for work-study students that serve as lab monitors during evening hours and provide minimal maintenance for the computer labs.

**FY07 Plans**

Our departmental advisory committee will be formulated again in the spring semester to recommend expenditures for the current fiscal year. It is always difficult to predict the priorities this committee will establish but the committee has been very effective in identifying priorities in previous years. Probably this year will be a year of saving for a replacement of computers in other computer lab located in room 1 Kildee (30 computers) in the next fiscal year.

**Biochemistry, Biophysics and Molecular Biology**

**Expenditures of FY 06**

We upgraded all fixed-install computer workstations in the Molecular Biology Building Computer Lab in room MB 1340 during the summer of 2005. For this upgrade, a total of 21 dual 2.3 GHz G5 Apple PowerMac computers were purchased using money from the College of Liberal Arts and Sciences student computer fees, an NSF IGERT training grant, and from the College of Agriculture student computer fees. These purchases spanned both FY2005 and FY2006.

We upgraded the networking switch in this lab and purchased LCD monitors for use in the lab. We equipped the lab with a new LCD projector (the previous projector was around 10 years old, and had fallen out of use several years ago). We upgraded the memory of the 7 laptops in our mobile lab.

We purchased a Dell laptop for use by the BBMB instructor for whom teaching comprises 100% of their duties. In FY2006 this was Kristi Holms, for FY2007 this is Justin Hines.

**Planned in FY 07**

BBMB’s System Support Specialist is resigning from the department. At this point, we wish to defer response until January 2007 as we expect to have the position filled by then. It is likely that our new System Support Specialist will seek to improve our computer resources for the following courses: BBMB 311 and 411 and Bio 314L.

**Ecology, Evolution & Organismal Biology**

Last year we did not spend any of the computer funds, for which I apologize as I understand that your office prefers that we spend at least part of these funds annually. We are, however, presently engaged in a departmental analysis of all of our computing resources and needs as they pertain to curriculum. I expect that this will lead to the identification of a strategy for optimal allocation.
Economics

2005/06
Our funds were used to purchase supplies and provide maintenance for the computers in the Economics Computer Lab and to provide telecommunications access for the lab. They also covered part of the lab monitors’ wages when the funding from LAS ran out.

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<tr>
<th>Item</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Printer maintenance kits</td>
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<td>Toners</td>
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<td>Battery</td>
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<td>Patch cables</td>
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<td>Recurring data service</td>
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<tr>
<td>Hourly lab monitors</td>
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</tbody>
</table>

Total Expenditures 14421.70

2006/07 Plan
The funds we receive in FY06 will be used for virtually the same purposes.

Entomology

Use of computer fees during FY 06:
We used student computer fees to maintain and upgrade our student computing laboratory and teaching laboratory. Purchases included a new laptop, monitor, paper and toner for the Entomology Student Computing Laboratory. Licenses for SAS, Adobe Creative Suite, Endnote and other software were maintained to keep them current.

We received a grant of student computer fees through the College of Agriculture’s Technology Advancement Committee. Funds from this grant were used to replace a computer in our teaching laboratory and to purchase a “clicker” electronic student feedback system and software for insect behavior observation.

Projected use of computer fees during FY 07:
We plan to use funds from student computer fees to maintain and expand the software and hardware in our student computing laboratory. The Macintosh computer is two generations old and will need to be replaced in the upcoming year with a more capable model, and the older PC may need replacing too.
**Food Science & Human Nutrition**

**2005/2006**
CAC funds were used to purchase 2 multimedia projectors for classroom instruction. These are housed in 220 MacKay and 2312 FSB and are available for checkout. A computer was purchased to assist with the e-doc project. Staff used the computer for student support, instructions, video editing for classroom projects and electronic portfolio development. There was also a digital video camera and accessories purchased for the same project. Software maintenance licenses were purchased for 2 different nutrition software packages. This software is installed on computers in computer labs in 2311 FSB and 108 MacKay. In addition a color laser printer was purchased for a foods lab classroom to assist the students in printing class project assignments.

**2006/2007**
Currently the plan for the coming year is to continue to update and replace laptops and projectors for classroom instruction. Several computers are also scheduled to be replaced in foods classrooms in MacKay as well as continuing our nutrition software licenses in the computer labs.

**Genetics, Development & Cell Biology**

**2005/06**
1. Digital projector (NEC VT-676E Projector) for 1102 MBB: $2876

This room is used extensively for graduate student exams, student meetings and student seminar courses.

**2006/07 Plan**
We don’t have a specific plan for the coming year. We have recently replaced most of the computers in our major, high enrollment courses and are tentatively planning to accumulate some funds in anticipation of new courses under development for our proposed new undergraduate BCB (Bioinformatics & Computational Biology) major. If all goes well (the proposal just passed the LAS curriculum committee), we expect the major to begin accepting students in fall 2007. This means the new courses should be available for the 2007/2008 academic year. We are not certain what the hardware/software needs will be for these new courses.

**Horticulture**

**FY06 Expenditures**
We purchased software licenses and other upgrades for student computers. We replaced one obsolete server that is used by students with a new server that runs software capable of interfacing with ITS core enterprise service offerings.

We employed a student hourly employee to give assistance to students using computers in Horticulture Hall.
We received a Central Pool grant which funded the replacement of thirty obsolete computer systems and one networked laser printer in 156 Horticulture Hall. We provided free printing services to all student using computers in Horticulture Hall.

**FY07 Plan**
The Department of Horticulture remains committed to providing free printing services to all students using computers in 156 Horticulture Hall.

We plan to purchase new software licenses and other upgrades for student computers. We plan on paying for license renewals for the essential software, such as Symantec Ghost, Dantz Retrospect, Acronis True Image, and Centurian Driveshield. Additionally, we are planning to expand our existing ePortfolio training and support for students with additional computer and multimedia resources. Finally, we plan to purchase extended warranties for three existing servers that are used by students, so that we can extend the useful life and functionality of these servers.

**Microbiology**

**FY 2006 Expenditures**
During the period of July 2005- June 2006, computer fees were spent on a new computer and printer for use by graduate students sharing common graduate student offices. There are 3 graduate student offices and we are on a rotation to purchase a new computer for each office once every 4 years. This year the graduate office in room 272 Science 1 received the new computer. Room 272 has desks for 11 students. In addition, we upgraded to a new computer for our laboratory coordinator and instructor who has full-time direct commitment to instructing 7-8 lab sections each semester (approximately 400 students each year). The lab coordinators old (3 years) computer was passed on to the person who provides laboratory support for all teaching labs (her old computer was ~10 years old). In addition, we purchased a new black and white printer which was networked for graduate student use in room 380, but is also accessible from room 378.

**FY 2007 Plan**
We plan to purchase a network license for SAS and SigmaPlot. These are two computer software programs used regularly by graduate students in their statistics class (SAS) to prepare for required seminar classes (SAS and SigmaPlot). We plan on upgrading the computer and projection equipment in our teaching lab in room 107 Science 1.

**Natural Resource Ecology and Management**

**FY 2006 Expenditures**
Natural Resource Ecology and Management Student Computer Fees were used primarily for the purchase and maintenance of student computer equipment during FY 2006. Of the approximately $43,950 spend in this area, $10,681 went for purchase of student
computers, $4,364 went for purchase of printers, $18,932 went for purchase of Global Positioning Units, and $5007 was used for purchase of a server to support the nature mapping effort. Approximately $2,050 was used for miscellaneous software and software licenses. The remaining funds were used to pay administrative fees associated with purchase of computers and printers.

**Expected FY 2007 Expenditures**
During FY 2007, approximately the same amount of funds will be used to support computer software purchase and licensing fees. A portion of the funds will be used for routine maintenance of existing student computers and printers, and we anticipate that the remainder of the funds will be used to replace aging laptop computers used in numerous classes in NREM.

**Plant Pathology**

2005/2006
1. Funding of maintenance of graduate student computer lab including printing services and SAS licensing.
2. Funding of student graphics workstation. Purchase of hardware to allow students to produce high quality computer graphics to be used in presentations and print media in the area of class work and research.
3. Funding of distance education project. Purchase of hardware and software to setup a system capable of facilitating real-time distance education over existing computer networks to combine resources from multiple institutions and to provide the ability to teach courses which otherwise would not be economically viable.

2006/2007
Continued funding of graduate student lab and SAS software for graduate students will be needed. The student computer advisory committee has not met yet to discuss other needs for upcoming year.

**Sociology**

**FY 2006 Expenditures:**
The Sociology department used its FY 2006 AGCAC funds to accomplish long standing goals. Funding was used primarily to support our 409 East Hall Graduate Lab. The largest expenditures were for replacement equipment. For $11,651 we were able to purchase six new Dell Optiplex computers. For another $1,836 a replacement high capacity printer was also purchased.

The remaining expenditures were used for printing and maintenance costs in the 409 East Hall Lab. These include installation, maintenance and technical support ($437). And continued support for “free” printing in this lab; printing supplies for this lab were purchased using AGCAC funds in the form of toner cartridges and paper ($2,765).

**Future Plans:**
Future funds will serve three main purposes in the next fiscal year. One, we will maintain the policy of providing “free” printing in our 409 Graduate Lab. Secondly we’ll continue using a small portion of our funds to provide technical support and maintenance. Finally, we will purchase maintenance for software licenses in 409 East Hall, and the 64/68 Heady Hall lab that we share with Economics.

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<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<td>Paper and 5 Toner Cartridges</td>
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<td>5/5/06</td>
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<tr>
<td>5/31/06</td>
<td>6 Dell Optiplex GX620 Computers</td>
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