



Student Technology
Fiscal Year 2006-07
Grant Proposals

Delivered to IS: 11/1/06
Date

[Signature]
Signature

Dr. Jim McCrory: Approved Denied
Comment: Whowell, install the PCs? Why are Mac's being purchased. XP must be on the domain
Signature: _____ Date: _____

Tim Chadbourne: Approved Denied
Comment: _____
Signature: [Signature] Date: 11/2/06

Gary Gatch: Approved Denied
Comment: _____
Signature: [Signature] Date: 11/7/06

Dale Martin: Approved Denied
Comment: Why?
Signature: [Signature] Date: _____

Tyron/Diana: Approved Denied
Comment: _____
Signature: [Signature] Date: 11/9/06

Jennifer Long

From: Zafer Hatahet
Sent: Thursday, November 30, 2006 5:04 PM
To: Jennifer Long
Subject: Re: Please call me about your grant proposal

Ms. Long,

Following our phone conversation regarding the appropriateness of Macintosh computers in the Biology Departments, here are my thoughts

- First and foremost, the primary objective of both grants is to modernize our lecture and lab facilities by introducing computers into them. As such, if only Windows PCs are allowed by the University, then I would gladly substitute them for the requested Macintoshes. In other words, if the choice is between Windows PCs or no computers at all, I think our students would benefit from having the PCs.
- Having said that, I still think there are many compelling reasons to purchase Macintoshes rather than other models, including,
 1. A large array of Biological Sciences software is available for the Macintosh, and some are exclusively available for Macs. Many of these programs are available to educational institutions for free.
 2. A large proportion of Science departments throughout the country uses Macintosh computers, including my two previous employers, the University of Vermont and the University of Texas
 3. These computers are highly competitive in price, especially the MacBook notebooks requested for intro biology laboratory. Buying a similar number of computers from Dell for instance would be significantly more expensive, especially when you factor in the included cart and laser printer.
 4. It is well known that the Mac operating system is less vulnerable to hacks and virus attacks than the Windows operating system.
 5. The University already allows the use of Macs in other departments, so I fail to see the inherent disadvantage of using them in the Biology Department.

I thank you for your time and for bringing this issue to my attention.

Zafer Hatahet, Ph.D.
Associate Professor
Department of Biological Sciences
224B Bienvenu Hall
Northwestern State University
Natchitoches, LA 71497
Voice/Fax: (318) 357-6514

"The greatest obstacle to discovery is not ignorance, but the illusion of knowledge"

FF

Student Technology Fee
Funding Proposal Request From
Fiscal Year 2006-07
Northwestern State University of Louisiana

2007.010

Prepared by: Zafer Hatahet For: Department of Biological Sciences

Department/Unit: Biological Sciences College: Science and Technology Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? 1, 2, 3, 5, and 7

Requested equipment will be located/installed/housed? Building 090, Bienvenu Hall Room 101, 105, 109, 211, 215, 232

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment? Dept. Chair

Signature:  Date: 10/25/2006

Grant Proposal Requested Amount: \$ 8,386.70 Budget Attached (circle one): YES/ NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date: 10/31/2006

10/31/06
1:47pm

This grant proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. Proposal will be returned if information is not included in full.

1. Describe target audience

All students who attend lecture and laboratory classes in Bienvenu Hall, rooms 101, 105, 109, 211, 215 and 232. These include students attending a large number of courses offered by the biology and psychology departments. Rooms 101, 211, 215 and 232 seat 36, 36, 58 and 64 students respectively and each is used for as many as 7 courses daily. Collectively, these room serve between 1,100 and 1,200 student per semester. Rooms 105 and 109 are used for introductory biology laboratories, serving 350-400 students per semester.

2. Describe project/initiative for which you are requesting funds.

Almost every lecture hall in the Biology building, including laboratory rooms, is currently equipped with a ceiling-mounted LCD projector. Yet, with the exception of rooms 114 and 215, none have computers to drive the LCD projectors. Given that most instructors do not have laptop computers to use while lecturing in these rooms, the LCD projectors have seen little use since their installation. Room 215 does have a computer that is used extensively, however it is very old (a Pentium II system running Windows NT, no accessible USB ports, no CDRW or DVD-ROM drives) and is in dire need of replacement. This project aims to equip six rooms with basic Macintosh iMac computers, which are compact, cost effective, and very versatile since they can operate under MacOS and Windows XP simultaneously.

Needs to be removed if connected to the network.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.
- a. Increase utilization of existing LCD projectors to present lecture outlines in the form of computer presentations, e.g., PowerPoint slide shows.
 - b. Provide student with better access to lecture outlines by encouraging the instructors to post their presentation on Blackboard.
 - c. Increased utilization of interactive audio-visual resources during lecture and lab classes. These include movies (can be played directly from the computer DVD drive), computer models, educational websites, etc.
 - d. Enable the use of video conferencing, when needed, e.g., with guest lecturers and students in other universities. The iMac is equipped with built-in hardware and software for seamless video conferencing (the only requirement is a network connection which is currently available in all of the rooms involved).

4. Indicate how each objective will be evaluated.
- a. Instructors and students will be surveyed to gauge utilization of the presentation equipment.
 - b. Posting of lecture material on Blackboard will be monitored following implementation of the project and compared to the current and previous semesters.
 - c. Instructors and students will be surveyed to gauge increased use of audio-visual resources during lectures and labs.
 - d. Instructors and students will be surveyed to gauge introduction of videoconferencing as an educational tool.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance? How will funding of the project advance the University and College/Unit technology plan?

- a. This project should help advance the following NSTEP objectives
 1. *To improve access to technology by students, faculty, and staff at Northwestern State University.* Specifically, to increase utilization of computer presentation during lecture and lab courses.
 2. *To provide classrooms with updated technology and multimedia.* Self evident for rooms 101, 211, 215 and 232, which are used extensively as lectures halls.
 3. *To upgrade student technology laboratories with modern technology.* Self evident for rooms 105 and 109, which are used extensively as teaching laboratories.
 5. *To upgrade and maintain the campus communication network and infrastructure.* The iMacs are pre-equipped with the hardware and software to carry out video conferencing. With minimum effort, the six classrooms involved will be video-networked. No extra equipment is needed beyond pre-existing ethernet connections.
 7. *To establish processes that encourage technology initiatives by faculty, staff, and students.* This project should enable and encourage the faculty to include/increase interactive audio-visual components into labs and lectures.
- b. The arguments used in support of meeting the NSTEP objectives are equally valid in support of meeting the College technology plan.

6. Provide a justification for funding the project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

As already mentioned, the classrooms designated in this proposal serve a very significant number of students per year (as many as 2,500). Given departmental budget restrains, it would be difficult to upgrade the rooms with computers without funding from sources such as Student Technology Fees. More compelling is the fact that significant money has already been invested in LCD projectors that are underutilized due to lack of computers.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project?

Drs. Zafer Hatahet and Francene Lemoine have been recently designated as the Biology Department Computer Technical Support personnel. Dr. Hatahet has been a Macintosh user for over 19 years and he currently uses an iMac in his office (including the ability to video conference). Given that the hardware infrastructure, i.e., wiring for video, sound and ethernet, is already in place for all six proposed rooms, installation of the computers should be a straightforward process and Drs. Hatahet and Lemoine should be able to carry it out with no foreseeable difficulty.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

None, other than Dr. Hatahet and Lemoine.

9. Provide a schedule for implementation and evaluation.

Considering that the computers are available under State Contract, and that hardware infrastructure is already in place, purchase and installation of the computers should be achievable within 4-6 weeks of funding of this grant.

Evaluation of the project will begin immediately after installation of the computers and continue for the following four semesters.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

The realistic lifespan of the hardware is three to five years, primarily because fast pace at which computer technology develops. It should be noted that the budget includes service contracts for three years of warranty covering both the hardware and software. No significant software updates are anticipated during the first two to three years. Upgrades to operating system software and MS Office may be necessary in three years but projecting their cost is not practical. Considering the relatively small cost of such upgrades (\$200-300 per machine), departmental funds may be available for this purpose.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Tech Fee grant

All lecture halls and laboratories in the Biology building are kept locked when they are not in use. The budget also includes the cost of security cables to prevent theft.

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:

Yes Is all information requested provided (items 1 – 11)?

Yes Is a detailed budget attached?

Yes Are all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?

Yes Are your two (2) letters of support attached?

NA If equipment is to be checked-out/loaned, is your policy attached?

Detailed Budget:

See attached quotes

Item	Vendor	Catalog #	Units	Price Each	Total Price
iMac computer, 17 inch	Apple	MA590LL/A	6	\$1099.99	\$6,594.00 ✓
Extended Warranty	Apple	S2504Z/A	6	\$119.00	\$714.00 ✓
Security Cable	Apple	T4099G/A	6	\$29.95	\$179.00 ✓
MS Office 2004 for Mac	Apple	T9188LL/A	6	\$149.95	\$899.70 ✓
Grand Total					\$8,386.70

Budget justification:

1. The 17 inch iMac is an excellent choice for several reasons,
 - a. It is very compact; the computer and screen are in one piece. Only the keyboard and mouse are detached from the basic package.
 - b. The price is comparable to other brands including Dell and Gateway.
 - c. It can simultaneously operate MacOS and Windows XP operating systems.
 - d. It has a built connectivity by ethernet, wireless, and video links (via built in camera).
 - e. It is less prone virus attacks.
2. The extended warranty is a wise and cost effective choice.
3. Security cables are needed to prevent theft of the computers. This is an added measure on top of locking rooms when not in use by responsible personnel.
4. MS Office is a standard software package that is necessary for most basic computer operations. In particular, PowerPoint is essential for slide presentations.



Store

iPod + iTunes

.Mac

QuickTime

Support

Mac OS X

Your Account

View Current Proposal

Worldwide

Customer Service

Review your Proposal.

- ▶ Please confirm your Proposal.
- ▶ Click on the Create Proposal button to send this Proposal to your Apple Authorized Purchasing Agent.

Items you have selected	Part No.	Est Ship	Qty	Unit Price	Ext. Price
iMac, 17-inch, Intel Core 2 Duo	MA590LL/A	1-3 business days	<input type="text" value="6"/> Remove	\$1,099.00	\$6,594.00
Keyboard & Mighty Mouse + Mac OS X - U.S. English Accessory kit SuperDrive 8X (DVD+R DL/DVD±RW/CD-RW) 1GB 667 DDR2 SDRAM - 2x512 160GB Serial ATA drive 2.0GHz Intel Core 2 Duo					
AppleCare Protection Plan for iMac/eMac - Auto Enroll	S2504Z/A	Within 24 hours	<input type="text" value="6"/> Remove	\$119.00	\$714.00
Kensington ComboSaver Security Cable	T4099G/A	3-5 business days	<input type="text" value="6"/> Remove	\$29.95	\$179.70

Subtotal Please note that your subtotal does not include sales tax or rebates. **\$7,487.70**

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Verify your order

Shipping Address:

Zafer Hatahet
 Northwestern State University
 Biology Department, Room 224B
 Natchitoches, LA 71497
 (318)3576514

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A signature is required for delivery of your package(s). We suggest you select a shipping address, such as your workplace, where you know there will be someone to sign for your package(s). We also offer an easy way to pre-sign for your shipment. See our [shipping policy](#) for more information.

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 505 Elvira Dr
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Order Summary:

Items Details	Quantity	Item Price	Item Total
Office 2004 for Mac – Student and Teacher Edition Part Number: T9188LL/A	6	\$149.95	\$899.70
Estimated Ship: Within 24 hours Delivered within 5 business days after shipping			



DEPARTMENT OF BIOLOGICAL SCIENCES
COLLEGE OF SCIENCE & TECHNOLOGY



October 27, 2006

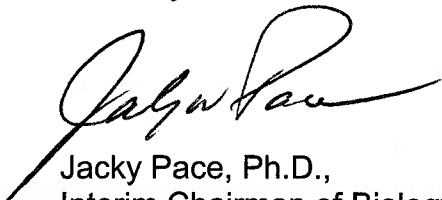
STUDENT TECHNOLOGY SUPPORT LETTER

This letter is in support of two funding proposals submitted by Dr. Zafer Hatahet, and the Department of Biological Sciences.

The approval of these proposals will greatly enhance the productivity of our faculty. Our labs are currently outdated requiring faculty to spend undue time for class preparation. In addition many of our labs are only partially completed due to inadequate equipment and facilities.

The funding of these proposals will increase the competency of our students and encourage them to attend classes/labs with enthusiasm and motivation.

Cordially,



Jacky Pace, Ph.D.,
Interim Chairman of Biology



COLLEGE OF SCIENCE & TECHNOLOGY
OFFICE OF THE DEAN



October 30, 2006

To Members of the Technology Selection Committee:

I am pleased to send this letter as proof of my support for the technology grant proposal submitted by Dr. Zafer Hatahet. Dr. Hatahet's proposal is a reasonable request for technical resources to enhance the laboratory experiences for students enrolled in Biology 1011. The acquisition of the laboratory equipment creates opportunities for the Biology Department to upgrade and modernize experiments. The new experiments should lead students to a better understanding of the biological principals that are covered in Biology 1010.

Thank you for serving on this committee and for your careful consideration of this proposal.

Very truly yours,

Austin L. Temple Jr., Ph.D.
Professor of Mathematics
Dean, College of Science and Technology



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497

Student Technology
Watson Library, Room 113

Telephone (318) 357-6482
FAX (318) 357-6480

January 10, 2007

Dr. Zafer Hatahet
Northwestern State University
Biological Sciences
Natchitoches, LA 71497

Dear Dr. Hatahet,

It is with pleasure that the STAT (Student Technology Advisory Team) has fully funded your grant proposal for Fiscal Year 2006-07 in the amount of \$8,386.70.

Ordering of equipment listed in the grant proposal will take place during the month of January.

Please be reminded that your grant was funded through Northwestern Student Technology Fees, all equipment purchased, therefore, must be used exclusively and directly for/by Northwestern students.

You are commended for, and encouraged to continue your efforts to enrich the learning environment for students at Northwestern State University. Your time, effort, and vision in service of the students are greatly appreciated. If you have questions or need additional information please contact me by phone or via email at: long@nsula.edu.

Sincerely,

Jennifer Long Martin
Student Technology

cc: Dr. Jack Pace