

Student Technology Fee Grant Funding Request Form
Northwestern State University of Louisiana

Component #3 ~~submitted~~

Committee # 3
Rev. # 3

2006.008

Proposal Number



Prepared by: Dr. J. Mark Thompson Department CAPA—Music

College or Unit: Liberal Arts Campus: Natchitoches

Information Systems review by _____ Date _____

1. Describe target audience. (0 points)

All students attending Northwestern State University who are enrolled in FA 1040 (approx. 1,800/yr.). It is also intended for students who are pursuing undergraduate and graduate degrees in Music Education and Music Performance. Specifically, those who are enrolled in any music history course. In addition, students who are enrolled in Sound Recording, Music Technology, and Recitals and Concerts will benefit from this grant.

2. Describe project/initiative for which you are requesting funds. (10 points)

This project is comprised of three major components: 1) to facilitate the accurate and consistent reporting of attendance for FA 1040, 2) to provide an innovative means of delivering the voluminous amount of required listening examples for the music history offerings (undergraduate and graduate), and 3) to significantly enhance the audio and video editing capabilities available in CAPA in order to support MUS 4400 (Sound Recording), MUS 4200 (Music Technology), and MUS 1500 (Recitals and Concerts) as well as the numerous concerts presented at NSU. Component 1 will enable the instructor to get to the course content in a timely manner, relieving him from manually taking roll for some 85+ students per class and consuming valuable course time. Component 2 will employ new technology (iPods) to deliver the required listening content to the students to allow them a greater degree of opportunity to review it. The final component will permit NSU to improve the quality of student projects, copies of student recitals and concerts, and archival recordings in the CAPA Multimedia/ Music Lab and for regional broadcast.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project. (10 points)

- Objective 1. To ensure completely accurate and consistent reporting of attendance in FA 1040.
- Objective 2. To improve delivery of course content in the music history sequence of courses.
- Objective 3. To improve instruction by providing state-of-the-art audio equipment for use in related music courses. Used in MUS 4400 (Sound Recording), 4200 (Music Tech), 1500 (Recitals & Concerts).
- Objective 4. To improve the quality of archived recordings in the CAPA Multimedia/Music Lab.

4. Indicate how each project objective will be evaluated. (10 points)

- Objective 1. Reduction of attendance reporting errors will be reflected in the Attendance Reporting System, which in turn will result in more accurate reporting to state funding agencies. Quality instruction time will also be significantly increased.
- Objective 2. Grades students receive on the listening portions of music history tests should improve.
- Objective 3. This technology is integral in these courses. Through several Student Technology Fee Grants, CAPA has been able to improve its digital recording capabilities. The workstations and related software will be able to use the recordings being made and help produce the final edited product.
- Objective 4. These editing workstations and related software are the final tools in a long sequence of equipment upgrades that will allow CAPA to produce studio-grade recordings for students, archival, and broadcast.

5. Provide a justification for funding of 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. (10 points)

The School of Creative and Performing Arts has been designated as an "Area of Excellence" by the Board of Supervisors. It directly serves over 1,800 NSU students each year, of which 185 are music majors. The ability to access such a resource is paramount in the pursuit of a degree in music: to not have access to the greatest available performances or to not be able to compare musical styles from one time period to another would extremely curtail the students' ability to receive a high-quality education.

CAPA records approximately 150 performances in Magale Recital Hall each year. These recordings are archived in the CAPA Multimedia/Music Lab and are available to all NSU students interested in listening to them. The recordings are used by music majors to apply to graduate schools and for auditions to music festivals and solo competitions. They are also used by ensemble directors to evaluate their performances, and they may be used in conjunction with applications to participate or be featured at regional or national conferences, which would provide for the students in the ensemble the opportunity to travel and be introduced to the music world in a wider spectrum.

6. How will funding of the project advance the University and College / unit technology plan? Which NSTEP objective/s will this funding benefit? (15 points)

Northwestern State Technology Plan (NSTEP) Objectives:

- Objective 1. To improve access to technology by students, faculty, and staff at Northwestern State University. By upgrading the recording equipment, recordings will become state-of-the-art, and students will have access to the improved archived recordings. These better recordings will enhance opportunities for students to apply for graduate schools, festivals and competitions, and provide ensemble directors with more competitive recordings to take their students to regional and national venues.
- Objective 2. To provide classrooms with updated technology and multimedia. This equipment is used to take attendance in FA 1040, deliver course content in the music history courses, and record all student recitals in MUS 1500, required of all music majors. In addition, it is used in the Sound Recording (MUS 4400) and Music Technology (MUS 4200) classes.
- Objective 3. To upgrade student technology laboratories with modern technology. The iPods and the editing workstations will be housed in the CAPA Multimedia/Music Lab. The improved recordings that are produced will be archived & catalogued in the Lab for use by all NSU students.
- Objective 8. To encourage innovation and research. The iPods solve an age-old problem encountered in music history courses: providing a quality music listening experience to students for study/testing purposes. Also, by maintaining a state-of-the-art Multimedia Lab for use by NSU students, faculty, and staff, innovation and research will be stimulated by the increased access to current music technologies.

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. (0 points)

Dr. J. Mark Thompson, Professor, serves as Project Director and Principal Investigator. Dr. Thompson has over twenty-three years of experience with sound and computer technologies, and currently serves as Chair of the CAPA Technology Committee.

Mr. Tony Smith (Co-PI/Co-PD), Associate Professor, is Music Coordinator and serves as the Fine Arts Course Administrator. He also teaches several of the music history courses mentioned in this grant.

Mr. Masahito Kuroda (Co-PI/Co-PD), Lecturer, is supervisor of recording and computer labs in CAPA. He is experienced in analog and digital recording technologies as well as both Macintosh and PC platforms.

8. Describe any personnel (technical or otherwise) required to support the project/initiative. (5 points)
Information Systems will be needed to install and wire the card reader for internet access.

The iPods and workstations/software should need no additional support. All experience necessary to install and operate this equipment is contained in the Music Division of CAPA.

9. Provide a schedule for implementation and evaluation. (5 points)
November 2005

Proposal funded.
PD prepares and submits POs.
NSU begins purchase of hardware and software.

December 2005—January 2006

Materials received.
Faculty who teach FA 1040 are trained to use card reader to record attendance to their respective sections of the course.
All other items are used immediately upon arrival.
Student workers and graduate assistants trained on proper use and storage of equipment.
Music history students learn how to operate and care for the iPods and sign a user agreement.

February 2006

Full implementation of the proposal.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years. (0 points)

All this equipment should last for at least five years, with proper care and maintenance. Software upgrades can be anticipated about every two years.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received. Equipment will not be purchased until an acceptable policy is in place to ensure equipment security. (15 points)

The card reader will be permanently mounted inside 025/228, which is secured with a limited-access electronic lock. Only faculty who teach in courses in this room are given a fob to access it.
The iPods will be stored in 025/319A, which has fob-only access. Each student will be issued an iPod and an agreement will be signed delineating student responsibilities for care and maintenance. Return of the iPod is required before a final grade will be issued.
Workstations/software will be located in 025/319 (CAPA Multimedia Music Lab), which has fob-only access. Fobs are issued to administrators and lab workers only.

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| 12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment). (20 points) |
| 13. Attach a letter of support for the project signed by the requesting unit's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests). (0 points) |



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College of Liberal Arts
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October 24, 2005

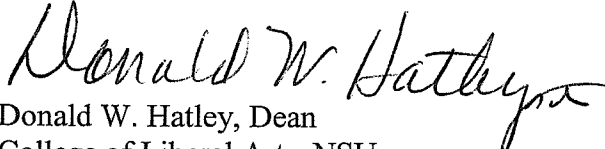
To Whom It May Concern:

It is my pleasure to write this Letter of Support for Dr. J. Mark Thompson's Student Technology Fee Grant. This grant is targeted primarily at the School of Creative and Performing Arts, a division of the College of Liberal Arts. CAPA, designated an Area of Excellence by the University of Louisiana Board of Supervisors, is responsible for offering and administering the Fine Arts 1040 course (required of all undergraduate majors) as well as all of the music courses.

This grant enhances CAPA's ability to track attendance in the FA 1040 course-impacting roughly 1,800 students per academic year. This is important, because of the increased demands upon accuracy and completeness of course attendance, which is necessary to obtain state funding. In addition, the grant offers an innovative approach to the delivery of required listening for the Music Division's courses in music history. Finally, this grant enhances the support provided in previous grants to building a state-of-the-art video and audio editing studio through the addition of two high-end workstations. There is no doubt that CAPA needs these tools to enhance its ability to remain an Area of Excellence.

Thank you for your time and consideration of this proposal. I give this request my fullest praise and support. Please let me know if I can be of further assistance.

Sincerely,


Donald W. Hatley, Dean
College of Liberal Arts, NSU

Student Technology Fee Grant Funding Request Form
Attachment 1: Budget

BUDGET SUMMARY

COMPONENT 1: CARD READER FOR 025/228	\$2,011
COMPONENT 2: IPODS FOR MUSIC HISTORY COURSES	\$9,386
COMPONENT 3: AUDIO- & VIDEO-EDITING WORKSTATIONS AND SOFTWARE	<u>\$14,070</u>
PROPOSAL TOTAL:	\$25,467

COMPONENT 1: CARD READER FOR 025/228

Item	Description	Qty	Unit	Total
Card Reader	Turbo, 650K RAM, cable included (Part # GR-673-1439-000), The CBORD Group Card Systems Division	1	\$1,154	\$1,154
Printer	TRP-420S Printer Kit for Turbo (Part # GR-679-1162-000), The CBORD Group Card Systems Division	1	\$607	\$607
Labor	Information Systems, estimated installation costs	1	\$250	\$250
TOTAL				\$2,011

This enhancement is focused on the purchase and installation of a card reader to be installed in 025/228 to facilitate the accurate and thorough recording of attendance for FA 1040. Each section holds about 85 students, and this course serves approximately 1,800 students per academic year. It is essential to have accurate attendance records, and this device would assist in the daily entering of attendance into the university's Attendance Reporting System. This undoubtedly would relieve the teachers' workloads from this cumbersome chore and permit them more time to prepare their lectures, grade quizzes and tests, and otherwise be more available to the students. Likewise, more accurate records-keeping is essential to university agencies and provides more accurate records to state-level funding agencies.

COMPONENT 2: IPODS FOR MUSIC HISTORY COURSES

Item	Description	Qty	Unit	Total
iPods	iPod nano 4GB - Black, www.apple.com	35	\$229	\$8,015
Case	Agent 18 Shield for iPod nano, www.apple.com	35	\$20	\$700
Dock	Apple iPod Universal Dock, www.apple.com	11	\$35	\$385
Power Adapters	iPod USB Power Adapter, www.apple.com	11	\$26	\$286
TOTAL				\$9,386

The integration of iPods into the music history curriculum is an innovative approach to solving a perennial problem—delivering the great multitude of required listening examples to the students in an easy-to-access manner. Never before has technology been able to easily provide this degree of simplicity and portability to such an endeavor. Students will be better able to manage their busy schedules (not being tied down to the hours the Lab is open) and take advantage of precious little spare time to listen to their required selections for each class and to prepare for examinations.

COMPONENT 3: AUDIO- & VIDEO-EDITING WORKSTATIONS AND SOFTWARE

Item	Description	Qty	Unit	Total
CPU	Power Mac G5 Quad-core 2.5GHz Incl. 16x SuperDrive DL, 500GB Serial ATA HD, 2GB 533 DDR2 SDRAM (2 x 1GB), Mac OS X, NVIDIA GeForce 6600 256MB SDRAM video card, Apple Keyboard and Mighty Mouse, Accessory Kit, www.apple.com	2	\$3,539	\$7,078
HD Display	Apple Cinema HD Display (23" flat panel), www.apple.com	2	\$1,099	\$2,198
Display	Apple Cinema Display (20" flat panel), www.apple.com	2	\$699	\$1,398
Video Editing Software	Final Cut Studio - Academic, www.apple.com	2	\$499	\$998
Audio Editing Software	Logic Pro 7 Academic, www.apple.com	2	\$299	\$598
CD & DVD Burning Software	Roxio Toast with Jam 6, www.sonic.com	2	\$210	\$420
WAV Editing & Mastering Software	Magix Samplitude V8 Master, www.musiciansfriend.com	3	\$300	\$900
MIDI Sequencing Software	Cakewalk SONAR Home Studio 4 XL, www.musiciansfriend.com	3	\$160	\$480
TOTAL				\$14,070

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These Mac G5 workstations are the top-of-the-line CPUs that Apple Computer makes. They are designed to handle studio-grade video- and audio-editing. The dual-monitors for each computer are necessary to simultaneously view the editing frames on one monitor while working the software on the other. The software packages Final Cut Studio, Logic Pro, and Roxio Toast with Jam all provide a suite of tools necessary to complete the tasks on the Macs. Samplitude Master and Cakewalk SONAR are PC programs that will work with existing PCs in the CAPA Multimedia/Music Lab. There are no Mac equivalents for this software.

All of this equipment and software is intended to improve the experiences that students who are involved with the Sound Recording and Music Technology courses will receive. It also supports one of CAPA's missions by creating studio-grade archival recordings for inclusion in the Lab. Any student or faculty member who makes a request can access these recordings. CAPA records over 150 events in Magale Recital Hall each year including student recitals, faculty recitals and concerts, student ensembles, guest artists, etc. It is important that CAPA has the necessary means to produce professional quality archival recordings for posterity.

CAPA has made a substantial investment in the past few years to bring our recording equipment up to industry standard. This includes hardware such as CD, digital audio, DAT and MiniDisc recorders, as well as computer software and hardware that can convert analog audio sources into digital audio and save them on CDs. This was recently supplemented with microphones and cables of the quality sufficient to take full advantage of these technologies. It is now important to complete the task and provide the necessary editing hardware and software that is essential to ensure a quality end-product.

Student Technology Fee Grant Funding Request Form
Attachment 2: Additional Considerations

1. Cost-Effectiveness of Project.

A. General Use/General Access Hardware/Software (Card Reader)

\$2,011 provided for use by 1,800 students enrolled in Fine Arts courses each year

= \$1.12/student/academic year
= \$0.22/student/5 years

Includes: card reader, printer, and connection to internet

B. Music Division-Specific Hardware/Software (iPods, Workstations, and Software)

\$23,456 provided for use by 185 music majors each semester

= \$63.39/student/academic year
= \$12.68/student/5 years

Includes: Mac G5s, monitors, and related software packages

2. Realistic to Meet Project Objectives.

All facets of this project are within realistic goal margins, provided the plan is fully funded and implemented. Each item listed above was carefully researched and scrutinized by the CAPA Technology Committee to determine whether or not it was appropriate and necessary to achieve the project's objectives. The combined experience in working with sound and computer equipment of the five committee members exceeds 90 years. Approval of this project not only will help to achieve the stated objectives, but it will also assist CAPA in pursuing its continued status as an "Area of Excellence" in Louisiana.

3. Estimated Lifespan of Hardware/Software and Anticipated Upgrades.

All hardware contained in this project is anticipated to have a lifespan in excess of five years. Consideration was given to future hardware upgrades during the grant-writing process, so that those upgrades would be minimized. Software will tend to have a shorter lifespan, because of new or enhanced features, simplification of use, and so forth. A reasonable budget will be put forward as software updates and newer programs become available. Some of these upgrades will be handled from the CAPA operating budget; others will require outside assistance. CAPA is also anticipated to purchase additional supplies (blank media, labels, etc.) as needed. It is anticipated that more audio- and video-editing workstations will need to be developed during the next five years.

4. Reallocation of Existing Hardware.

Two outdated computers will be surplussed. Extant synthesizers will be retained and connected to the new Mac G5s via existing USB hardware. The remaining Mac G3s currently used by CAPA will be retained.



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January 10, 2006

Dr. Mark Thompson
CAPA
Natchitoches, LA 71458

Dear Dr. Thompson,

It is with pleasure that the STAT (Student Technology Advisory Team) has partially funded your grant proposal for Fiscal Year 2005-06 in the amount of \$14,070.00.

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
Student Technology Fee

cc: Mr. Bill Brent