

Student Technology Fee Request for Funding-Page 1

Program Title: Digital Media in Education

Campus Affiliation: Education Program

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Brief Project Overview

The computers, software and equipment requested in this proposal would enable UWB teacher interns, Education Minor students, and M.Ed. graduate students to learn --and then to teach-- digital audio and video production techniques to K-12 students in area schools. The tools requested in this proposal will also enable the program to teach digital skills that many teachers are using for required documentation of their own professional growth.

Building on initial program development in multi-media production supported by the Student Technology Fee in 2007, this project will provide access to equipment and software for members of the three K-8 teacher education cohorts (90+ students annually) enrolled at UWB and for the 20 members of the new Secondary Education certification cohort, and for 100+ additional Graduate Students and additional Education Minor students.

Full description of the project that includes the following sections:

A. The goal of the program or project

The purchase of Macintosh laptop computers, audio and video editing software, and digital audio and video equipment for the Education Program Curriculum lab (LB1-203) will strengthen the UWB Teacher Education and M.Ed. Programs to educate teacher leaders in the educational uses of digital audio/video projects.

B. A description of the program and how it will benefit the student body

This project will support the purchase of additional computers, audio and video editing software, and digital audio equipment to support the production of digital projects in our curriculum lab classroom, and eventually, in the K-12 classrooms in which our students intern and work as teachers.

We are gradually building a Macintosh teaching lab. With many of the school districts in our area, we recognize Macintosh computers as particularly well suited for teaching the skills and educational uses of digital audio and video production. There are other Mac labs on campus.

The Education Program currently has 24 current Macintosh laptops (and 6 older G4 machines that are increasingly difficult to update and whose warranties expire this year), so we cannot yet teach all of the 30-34 student cohorts in a lab settings, and there are not enough laptops for students to complete projects in the evenings and on weekends.

It is essential that UWB students learn skills of digital audio and video; a growing number of school districts (and subsequently, a growing number of teacher education programs) are requiring digital literacy and multi-media production as part of their curriculum.

Funding of this project will enable the Education Program to teach courses specifically in multi-media production and to more readily integrate digital projects throughout the curriculum in Teacher Education. We've begun these endeavors this year: Thanks to funding from the STF in 2007, the Education Program offered its first Digital Storytelling course in Summer of 2007. Teacher Education students have begun producing wikis, podcasts, Digital Stories, websites, and media-rich blogs.

Yet these new courses and projects have stretched the limits of our equipment. With the three K-8 cohorts running simultaneously and the addition of a new Secondary Education cohort this year, we need new equipment to sustain our current efforts and to develop new projects for our courses.

For example, with highly-portable video recording equipment and with Ipods equipped for digital recording, we'll develop more projects to demonstrate how digital technologies are providing new ways to teach and to assess English Language Learners, students with learning disabilities, and other special needs students. In our Families courses, students will create projects to facilitate communication with immigrant families; in our literacy courses, students will use video and audio to assess and support the literacy development of the diverse learners in their internships. The scanner will be used to create digital versions of images, student work, classroom artifacts, and historical documents for multi-media projects and formal professional evaluation via Pro Cert and National Boards portfolios.

As the scope of student multi-media work expands and as UWB acquires more Macintosh computers, we request funding of two additional part-time hourly Media/IS employees to provide technical support, to conduct minor repairs and maintenance, to troubleshoot equipment, and to provide limited "help desk" services to students (in this pilot year of expanded technology work in the Education Program, "help desk" support is now being provided, without funding, by course instructors utilizing the equipment and software in their courses, and the volume of emails and phone calls cannot be sustained).

UWB has excellent facilities for the production of individual multi-media projects. Yet K-12 teachers also need to be educated in the management of lab settings for whole-class projects and in the integration of these projects into the content-area curriculum. Further, student teachers working in under-resourced schools must often check out equipment from UWB to demonstrate such innovative projects during their internships. Because they spend several days a week in internships for two quarters and do full-time internships for their final quarter (often at considerable distance from campus) they cannot readily access equipment otherwise available from the Media Center for their required work.

C. Specific information about the equipment and/or services being requested

We request funding to purchase 6 new Macintosh laptop computers, along with software and equipment needed for digital media production for these new computers.

Additionally, we are requesting 6 video ipods (with microphones) for student use for demonstrating the potential of digital audio and video for individualized teaching and assessment of diverse learners, and to support communication with diverse families.

We request one additional iPod and microphone for Media support staff, for training, troubleshooting, and exploration of new features.

Finally, we are requesting 6 Flip video recorders for student use to enable interns to demonstrate simple video production techniques with K-8 students and to enable quick and easy recording of students' projects and performance for assessment purposes.

We request one additional Flip video recorder for Media support staff, for training, troubleshooting, and exploration of new features.

Hardware

MacBook 13 in 2.0 GHz Laptop Computers (6)
From The Apple Store

Audio-video editing software

(all from The Apple Store)

Final Cut Express HD 4.0 (6)

Adobe Photoshop Elements (6)

Quick Time 7 Pro (6)

Additional Software

From Faronics.com

Deep Freeze (for restoring desktops on multi-user computers)
DFM000MPEN Media Package
DFM021PLD2 Mac Deep Freeze Site License

Equipment

Wireless Mice (6)
(to enable more precise work than is possible with the laptop "mice")
From The Apple Store

Sony MDR-V150 Studio Monitor Series Headphones #MDR-V150 (6)
(to enable audio editing within the classroom)
From Amazon.com

Logitech USB Desktop Microphones #: 980186-0403 (6)
For voice recording for digital video and for podcasting projects
From Amazon.com

80 Gb iPod Classics (7: Six for student use, one for use of support staff in the media center for training and troubleshooting)
(to demonstrate production and dissemination of student digital audio and video projects, particularly for English Language Learners.)
From the Apple Store

XtremeMac IPV-MIC-00 MicroMemo Digital Voice Recorder for iPod Video (7: Six for student use, one for use of support staff in the media center for training and troubleshooting)
 (for digital audio production using Ipod Classics
From Amazon.com

Ultra Flip Video Recorders (60 minute recording) (7: Six for student use, one for use of support staff in the media center for training and troubleshooting)
From Flip.com: <http://www.theflip.com>

Flip Tripods (3)
From Flip.com: <http://www.theflip.com>

Hourly IS/Media workers. Two @2 19.5 hours/week.

D. How the project will be implemented and by whom

Jane Van Galen, Professor in Education, will be the lead on this project.

Teacher Education Interns will be engaged in ongoing work on components of digital project production with this software and equipment throughout their teacher education program as part of their regular coursework and particularly in courses in educational technology. In courses in literacy methods, for example, the Ipods will be used to demonstrate how children can produce and access podcasts of original writing that they and their classmates have produced, while in science, students will learn how even young children can use Flip video recorders to document the stages of their science inquiry projects.

Students will then take these teaching strategies to their internships, where their knowledge and skills in educational technology will contribute to their competitiveness in job searches.

E. What departments will be involved in the installation and support of this project

IS staff will install software on the laptops and regularly re-image them. All equipment will be stored in the LB1-203 Curriculum lab and in the Education Program office and circulation will be managed by Education Program Staff.

To ensure compatibility with UWB computers and to evaluate support requirements, Media Center staff will first evaluate the Ipod and Flip video recorders purchased for Media Center staff training and troubleshooting. Following this evaluation period, we will either complete the purchase of the rest of the Ipods and Flip recorders or will explore equivalent technologies.

All instruction in the uses of the equipment will be by Education Program faculty.

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ITEM (complete description of item, type of product, quantity) *	Unit Cost	Full Cost
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Macbook 13 in 2.0 GHz Laptop Computers (6)	949.00	5694.00
Apple Care for MacBooks (6)	149.00	894.00
Final Cut Express 4 (6)	59.00	236.00
Final Cut Express Media Package	15.00	15.00
Adobe Photoshop Elements (6)	69.95	419.70
QuickTime Pro (6)	27.99	27.99
DFM000MPEN Media Package	24.95	24.95
DFM021PLD2 Mac Deep Freeze Multi-User License Package	233.90	233.90
Apple Wireless Mighty Mouse (6)	69.00	414.00
Sony MDR-V150 Headphones (6)	19.99	119.94
80 Gb Ipod Classics (7)	249.00	1,743.00
XtremeMac IPV MIC 00 MicroMemo Digital Voice Recorder for iPod Video (7)	40.99	286.93
Logitech USB Desktop Microphones (6)	21.99	131.94
Ultra Flip Video Recorders (60 minute recorders) (7)	179.99	1258.99
Flip Tripods (3)	14.99	44.97
Shipping, Handling,, and Taxes on equipment and software		1,589.00
Hourly Employees (2 at 19.5 hours/week)	8700	17,400.00
Benefits for Hourly Employees (11.3%)		1966.20
TOTAL		\$32,499.51

* This page is a crucial portion of your funding request. Items have to be described in detail, the number of people who this event will serve, quantity and cost of each item, etc. Pricing must be supported by additional documentation from the organization providing the items. Please be specific when listing costs, otherwise your request might not be granted.

The following signatures are required before your application can be considered complete:

Anthony Guerrero, (or designee)
Director, Facility Services

Date

Comments:

Cynthia Fugate (or designee)
Director, Academic Services

Date

Comments:
