

# 2009 Student Technology Fee Proposal Form

## Title of Project: Fairhaven Recording Studio Update

Department/Organization: **Fairhaven**

Name(s) of Project Applicant(s)

Name **Dean Roger Gilman MS 9118**

Phone **4900**

Name **Chris Vita Faculty MS 9118**

Phone **4915**

Name **Mark Miller IT Manager MS 9118**

Phone **7407**

Name MS

Phone

Principal Contact person:

Name **Mark Miller**

Phone **7407**

Amount Requested for project:

**\$43,594.00**

Contribution by Requesting Organization:

*Important note:* Before completing this form, please read the Proposal Form Instructions located on the STF website:

<http://www.wvu.edu/stf/>

## I. Project Abstract

Give an overview of existing environment, and summarize the items being requested. Include a brief explanation as to how the requested technology will improve student access to technological resources and/or enhance the *quality* of the student academic experiences through the use of technology and/or increase the *integration* of technology into the curriculum.

**The Fairhaven Recording Studio serves students as Western's primary audio recording facility. Various formally instructed courses and numerous independent study projects utilize the studio for an approximate average of 12 hours per day, 9 out of 10 weeks of every quarter. Unfortunately, the studio's current limited availability of professional equipment does not accurately portray the technology found in a modern recording studio. If Western students are to be prepared for the technical challenges they will face as professionals, a significant upgrade of equipment must be integrated.**

**In a dedicated effort to increase student access to professional grade technology, Fairhaven has spent over \$8,475 of the recording studio budget to purchase a professional mixing console and software upgrades. While this marks an improvement of recording capabilities and quality, it is a relatively small step in the necessary upgrades for the studio.**

**The studio lacks technological resources on three essential fronts: an adequate selection of the most commonly found studio microphones and outboard signal/effects processors, and a computer upgrade to increase the functional capabilities of the studio's existing Pro Tools HD system (the industry standard computer based recording platform).**

## II. Relationship to STF Objectives and Impact upon existing Academic Programs

Describe your proposed project in detail. Tell us how it will provide positive benefits to specific courses or instructional programs.

1. From a **student perspective**:

- a. How would this project provide additional student access to technological resources?

**The Fairhaven Recording studio is a university facility which all Western students are eligible to use. According to the 2006/2007 academic year's enrollment lists, the vast majority of students utilizing the studio were from WWU departments other than Fairhaven College. Upgrading the Fairhaven studio will increase access to audio recording technology for all interested Western students.**

- b. How would this project broaden or enhance the quality of the student's academic experience through the proposed technology?

**It should be noted that many recording students have stated that the Fairhaven Audio Recording courses provided their primary interest in attending WWU. To maintain the attractiveness of the courses, the quality and caliber of gear must increase. By equipping the studio with technologies like those found in professional studios, students will be able to develop a deeper understanding of the modern recording facility.**

- c. How would this project integrate technology into coursework?

**The coursework within the Fairhaven recording classes relates primarily to technology. Although audio recording is both science and art, none of it would be possible without technology. Students will utilize new microphones, signal processors, and Pro Tools upgrades on a daily basis. Nearly every component of student work within the Fairhaven recording classes relies on the integration of technology into coursework.**

2. From a **faculty perspective**, explain how this project will enhance your ability to help students meet their educational goals.

**Many students enroll in the Fairhaven recording courses to learn the technical skills essential in becoming a successful audio recording engineer. Currently, the studio is not properly equipped to meet this desire. An adequate selection of the most common professional studio microphones, dynamics signal processors, and an up to date Pro Tools system would vastly increase the breadth and relevance of course topics. As an instructor I look forward to working in a facility that does not limit student development.**

3. Will other departments be involved with this project? If so, please describe.

**No**

4. Has any part of this project previously been funded by STF?

No

Yes

(Please describe): **The studio was outfitted with**

a Pro Tools HD system in 2003, however over the last 6 years significant and vital improvements to Pro Tools systems have become available.

### III. Utilization

1. Please list the anticipated number of times and duration per each use, per quarter, that the proposed technology will be used by students.

**The Signal Processors and Microphones will be used by students in all four recording classes. Every piece of studio equipment will be available to students during classtimes, and recording sessions. This is an approximate average of 12 hours per day, 9 out of 10 weeks of ever quarter during the academic year.**

**The Pro Tools HD system upgrades will be used by the Pro Tools HD class (Fair375Q) and numerous independent study project students. As primarily upper level recording students utilize this equipment, it is used approximetly 24 hours per week, 9 out of 10 weeks of every quarter during the academic year.**

### IV. Project Budget

This section of the proposal details the estimated cost of the project. Please include costs that will be covered by your department or another source, for ongoing costs such as personnel or operating expenses.

To assist you in preparing your budget, please consult with relevant campus support departments (ATUS, Purchasing, Space Administration, etc.) For more information, see this page on our website: <http://www.wvu.edu/stf/instructions.shtml>

ATUS has developed standard configurations for desktop and laptop PCs and Macs. Your project is not limited by these standards, but these figures may be helpful. Standard configurations can be found on the Student Technology Fee website: <http://www.wvu.edu/stf/instructions.shtml>

Please complete all of the following sections (attach Excel spreadsheet for any additional details).

Item	Quantity	Item Cost	Total
<b>Signal Processors</b>	<b>25</b>	<b>*</b>	<b>\$12,177</b>
<b>Microphones</b>	<b>39</b>	<b>*</b>	<b>\$17,570</b>
<b>Pro Tools HD Upgrade</b>	<b>17</b>	<b>*</b>	<b>\$13,847</b>
<b>*Please see attached Excel spreadsheet for details.</b>			
<b>Subtotal</b>			<b>\$43,594</b>
<b>Shipping (taxable)</b>			

<b>Tax (8.4%)</b>			
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We recognize your proposed budget as an estimate. Final funding for successful projects will be established after through technical review; some costs may need adjusting due to price changes. The STF Committee may impose special conditions may upon a project. See Sections B.7 & B.9 of the STF Mission Statement <http://www.wvu.edu/cms/WWU.STF/mission.html>

1. What funding is available from your department or other sources?  
Course fees. Please see response to question 3.
2. Could this project be divided into discrete elements that could be funded separately?  
  
No  Yes  Please summarize and prioritize project segments with cost estimate for each segment.

**All technological resources included are regarded as essential in upgrading the Fairhaven Recording studio to more professional standards however the Dynamics Signal Processors and Microphones will be utilized more evenly among all students. Pro Tools system upgrades will be utilized primarily by upper level recording students. See attached Excel spreadsheet for cost details.**

3. Are lab fees charged for any of the courses that will use this equipment?  
  
No  Yes  If yes, please note: the total funding requested from the STF must reflect the amount collected from course fees for equipment replacement and/or equipment acquisition. All proposals asking for course fees will be reviewed by the Academic Budget Office.

**The course fees have already been reviewed by the Academic Budget Office and these fees are the only budget source that the recording studio has to draw from. Approximatley 60% of the recording studios budget goes to purchase or maintain equipment. In an effort to increase student access to professional grade technology, Fairhaven has spent over \$8,475 of the Recording studio budget to purchase a professional mixing console and software upgrades. While this marks an improvement of recording capabilities and quality, it is a relatively small step in the necessary upgrades for the studio.**

## V. Impact on Existing Resources

The proposal should address your project's potential impact on existing resources. Special attention should be given to impact on data transmission networks (e.g. sources accessed, networking equipment, etc.), and personnel (e.g. staffing, administrative support, faculty support, etc.).

Any proposal that includes the replacement of computers should specifically address the feasibility and cost effectiveness of upgrading the computers rather than replacing the computers.

1. Describe how existing equipment is used. Contrast this to projected use if your project was funded.  
**Nearly every piece of equipment in the Fairhaven Recording studio is heavily used on a daily basis. With the addition of new equipment, students will have access to a wider selection of professional gear. Use of equipment will be more evenly dispersed between peices; enabling**

**substantially longer equipment-life.**

2. Is similar equipment or technology available elsewhere on campus—such as the Student Technology Center, Classroom Services, Video Services, Western Libraries, a college lab? If so, please describe why the existing equipment doesn't meet the needs outlined in this proposal.

**No.**

3. If this project involves the replacement of equipment:

- a. Describe the 'before and after' configuration changes. A spreadsheet reflecting these changes can be attached.

**This project regards the addition of equipment only. No old equipment will be replaced.**

- b. Describe the costs and benefits of replacing vs. upgrading (if applicable).

**n/a**

4. Will this equipment be available to students outside your department?

**No**  **Yes**

5. If the proposed technology will be used by students outside your department, please describe how they would gain access, how the availability of the equipment will be publicized, the hours/week when the equipment will be available, and any costs that would apply.

**Access to the Fairhaven Recording studio requires that a student be enrolled in one of the four formally instructed audio recording courses or a Studio Coordinator-approved independent study project. All WWU students are eligible to take these courses. Registration is advertised via the Western and Fairhaven College course catalogs and Classfinder. As stated above, according to the 2006/2007 academic year's enrollment lists, the vast majority of students utilizing the studio were from WWU departments other than Fairhaven College.**

**Students may schedule recording sessions in the studio outside of normal class times with the Studio Coordinator (this is usually Mon-Thurs 8pm-9am; Fri-Sun 24hrs).**

**Individual course fees are clearly posted in all registration advertisements listed above.**

6. Does this project involve the check-out of equipment to students?

**No**  **Yes**  If yes, please discuss whether or not the Student Technology Center could be assigned this task.

6. Does the department have adequate operating funds to provide on-going maintenance and support?

**No**  **Yes**  Please describe.

**Course fees provide adequate funds for maintenance and support only. Significant technological additions are not possible without aid.**

7. Does the department have adequate personnel funds to provide on-going staff support for this project?

No  Yes  Please describe,  
**Continued classes and ISP's are taught 3-4 quarters a year by Studio Coordinator.**

## VI. Space and Site Information

This section addresses any space alteration or site preparation necessary for the proposed project. Site alterations include painting, holes in walls, security systems, carpeting, construction, lighting changes, or conversion of a lab or office

Special Note: If this project requires any site preparation, or if this project uses any space not currently under control of the department, a draft proposal must be submitted to Space Administration by **Friday, November 14, 2008**. Space Administration and Facilities Management will conduct a site survey and respond back to you with information concerning project feasibility, cost, and schedule. This information must be included in the final project proposal.

**Proposals for projects that involve any site preparation will be considered only after the required site survey by Space Administration and Facilities Management has been completed.**

1. Location for installation of equipment or technology.  
The Fairhaven Recording Studio Room FC108.

2. Is site modification required?

No  Yes  Please describe. (Electrical, air, painting, lighting, security, network access, etc.)

3. Will this project use space not currently assigned to your department or area?

No  Yes  Please describe.

## VII. Project Schedule

This section describes your overall implementation schedule. Project awards will be announced by the end of spring quarter. It is anticipated that projects would be substantially completed by the end of the calendar year. If there is any site preparation involved, please align your project schedule with the schedule provided by Space Administration and Facilities Management.

**Any new equipment must be received by September 2009 to allow adequate time for Studio Coordinator to perform installation and configuration.**

## VIII. Constraints

This section should list any external or internal factors that could affect your project schedule, project objectives, or the project budget (e.g. if external approval is required for curricular changes, or if funding must be received by a certain date).

1. Please describe any constraints to this project.  
None

## IX. External Funding

This section must be completed for any **projects over \$100,000**. For project budgets of this scale, the applicant should investigate opportunities for obtaining external funding for all or part of the proposed project.

1. Describe the external organization(s) able to provide funding in support of this project.

**n/a**

2. Describe the funding cycle for these requests (submission dates, projected award dates).

**n/a**

3. Indicate the amount of external funding that would be requested.

**n/a**

4. In cases where joint funding is requested, what will happen if the STF award is made and the external grant is not awarded?

**n/a**

5. Has a grant proposal already been submitted for all or part of the proposed STF project?

**No**

◇	A	B	C	D	E
1	<b>Project Component</b>	<b>Item</b>	<b>Quantity</b>	<b>Item Cost</b>	<b>Total</b>
2	<b>Signal Processors</b>	Empirical Labs Distressor EL-8SX	1	\$2,999	\$2,999
3		Chandler Limited Geranium Compressor	1	\$1,525	\$1,525
4		Universal Audio 1176LN	1	\$1,999	\$1,999
5		DBX 160A	1	\$399	\$399
6		DBX 1074	2	\$499	\$998
7		Switchcraft Studio Patch 9625	2	\$899	\$1,798
8		Soundcraft Meterbridge for Ghost LE32	1	\$1,099	\$1,099
9		DB25 to TRS Cable	16	\$85	\$1,360
10			<b>25</b>		<b>\$12,177</b>
11					
12					
13	<b>Microphones</b>	Beyerdynamic M160	2	\$649	\$1,298
14		Royer R-121	1	\$1,295	\$1,295
15		Neumann U87 Ai	2	\$2,999	\$5,998
16		AKG C414 B-XLS	1	\$949	\$949
17		Audio Technica 4050	1	\$599	\$599
18		Crown PZM-30D	2	\$329	\$658
19		Audio Technica PRO37	2	\$139	\$278
20		Mojave Audio MA-100 Stereo Pair	1	\$1,590	\$1,590
21		Blue Mouse (cardioid)	1	\$1,299	\$1,299
22		Sennheiser e609	2	\$109	\$218
23		Audix D6	1	\$199	\$199
24		Heil PR40	1	\$325	\$325
25		Heil PR20	2	\$150	\$300
26		Shure sm58	4	\$89	\$356
27		Shure 520DX Green Bullet	1	\$100	\$100
28		Countryman Type 85 DI	2	\$179	\$358
29		Latch Lake micKing 2200	3	\$450	\$1,350
30		AKG KM211/1	10	\$40	\$400
31			<b>39</b>		
32					<b>\$17,570</b>
33					
34	<b>Pro Tools HD upgrade</b>	Apple Mac Pro 2.8GHz Intel	1	\$5,198	\$5,198
35		w/ 8GB of RAM			
36		Apple 30" Flat Panel Display	1	\$1,799	\$1,799
37		Apogee X-HD Card	1	\$540	\$540
38		Apogee Rosetta 800 192K	2	\$2,695	\$5,390
39		DB25 to DB25 cable	8	\$70	\$560
40		DB25 to XLR cable	4	\$90	\$360
41			<b>17</b>		<b>\$13,847</b>
42					
43					
44					
45					
46		<b>Signal Processors Total</b>			<b>\$12,177</b>
47		<b>Microphones</b>			<b>\$17,570</b>
48		<b>Pro Tools HD upgrade</b>			<b>\$13,847</b>
49					<b>\$43,594</b>