

# FY 2008 Technology Fee Proposal

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Submitting Organization:

Major Unit: College of Education

Department: Instructional Technology Center

Contact Person: Sue Husted

E-Mail: shusted@gsu.edu

Telephone: 404-651-2458

## 1. Project Short Title

5-8 Word Project Title
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Upgrade ITC Multimedia Computers and Augment Peripherals
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## 2. Total Requested

Fiscal Year 2008
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\$162,765.99
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## 3. Executive Summary

Project Description (three or four sentences)
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To accommodate the College of Education's growing demand for digital audio/video training and production, this project seeks to replace out of warranty computers with high-end, multimedia capable desktops and laptops. This project also plans to augment peripherals for capturing and recording productions and seeks software for project development.
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## 4. Project Description

*To accommodate the College of Education's growing demand for digital audio/video training and production, this project seeks to replace the following student-use computers and laptops:*

- 43 out of warranty, personal computers, (36 purchased from 2004 Tech Fee)
- 32 out of warranty PC laptops, (24 purchased from 2004 Tech Fee)
- 7 out of warranty Macintosh Computers
- 4 out of warranty Macintosh laptops.

*Additionally, this project seeks to purchase multimedia software and peripherals to assist with audio/video capture and production.*

*The operation of open computer access facilities, technology-enhanced classrooms, and mobile computer labs is one of the primary services provided by the College of Education's Instructional Technology Center. An increasing number of instructors are requiring students to use computers in their class work and to produce multimedia-based products like Podcasts, QuickTime Movies, and DVDs for portfolios and final projects. The replacement computer's specifications sought in this request will reflect the ever-increasing system requirements needed for multimedia production and in anticipation of upgrading the PC operating system to the new, more resource-intense Microsoft Vista.*

*The ability to keep computers in warranty and directly obtaining warranty replacement parts has allowed the ITC to efficiently and cost-effectively maintain the computers in our facility. By September 1, 2007 all 86 proposed replacement computers will be out of warranty.*

- 5. Record the review numbers assigned by IS&T and Facilities. Their assessments must be included in Sections 16 and 17.

IS&T: IST08-041
Facilities: 14535-07

### 6. Relevance to Regents Guidelines

*This project would provide added value to the educational experiences of the students. This project is instructionally oriented and important to the student's overall collegiate experiences.*

*[1] Technology fee revenues should be used primarily for the direct benefit of students to assist them in meeting the educational objectives of their academic programs.*

*Replacement computers will be used in teaching, for student use, and to operate the student printing services.*

### 7. Relevance to Strategic Plan(s)

*Goal II, of the College of Education's 2002-2007 Strategic Pla, is:*

*To evaluate, enhance, and develop programs for the preparation of education and human development*

*Objective2, of that goal, states:*

*To support the development, piloting, and evaluation of educational delivery models (e.g. technology enhanced courses, distance learning courses, and web-based courses/programs).*

*The proposed computer upgrades, additional software and peripherals will continue to perpetuate an environment that fosters learning and development for all members of the University community in the transfer and application of technology to new learning environments.*

### 8. Impact on Students Served

*The Instructional Technology Center has 4 technology enhanced classrooms, 3 teaching computer labs, 1 open computing area, and 1 video conferencing suite. We are open from 8:00 AM to 9:45 PM Monday – Thursday, 8:00 AM – 5:00 PM on Friday and 9:00 AM to 2:00 PM on Saturdays.*

*During the Fall `06 semester the ITC served an average of 1000 students a day in the open computing area, classrooms and labs.*

*During the Fall `06 semester the ITC staff developed and delivered over 16 workshops for the university community that covered a myriad of multimedia and technology topics. Our Spring*

*schedule is online at <http://itc.gsu.edu/workshops>.*

*This summer the ITC will open our facilities to the NECC conference an INTEL faculty workshop and it continues to support Saturday School for Scholars and other outside groups.*

*Presently, we maintain 250 desktop and laptop computers as well as 6 servers to support students, faculty, staff and outside groups. Computing and web services offered by the ITC, have become mission-critical for the College of Education*

## 9. Justification of Funding Requirements for Fiscal Year 2008

Provide a specific description of the funding requirements for FY 2008 in the Microsoft Excel spreadsheet below. You must use the same terminology as in the Project Description (page 2, #4) to allow each itemized line to be traced back to the items and functionality appearing in the Project Description. Failure to do so will negatively affect consideration of your proposal. Itemize and total the following categories of expense. If necessary, add lines to the table below corresponding to accounting objects of expense.

**Please note that any equipment items less than \$4,999 should be categorized as "supplies."**

Object of Expense	Itemized Descriptions	Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Optiplex 745 Mini Tower	38	\$1,747.03	\$145,642.31
	Optiplex 745 Small Form Factor	5	\$1,350.29	
	Lattitude D620 Notebook	32	\$1,576.96	
	iMac 24-inch Intel Core 2 Duo	7	\$2,359.00	
	MacBook 2.0GHz Intel Core 2 Duo - White	4	\$1,382.00	
<b>Supplies</b>	Toshiba 13A26 13" video Monitor	15	\$79.95	\$11,628.40
	JVC SR-VS30U MiniDV/S-VHS VCR	11	\$849.95	
	Sony DVDirect VRD-MC1 External Multi-function 16x DVD+-RW recorder	6	179.95	
<b>Software</b> (Note: Include Vendor and Product Name.)	Apple iLife Suite	12	\$59.00	\$5,495.28
	Adobe CS3	12	\$180.00	
	Flip4Mac Studio Pro	12	\$99.00	
	QuickTime Pro - Mac	12	\$29.95	
	Roxio Toast 8	12	\$89.99	
<b>Maintenance or Contractual Services</b>	Item 1			\$0.00
	Item 2, etc			
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>				
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Other Expenses</b> (explain)	Item 1			\$0.00
	Item 2, etc			
<b>TOTAL</b>				<b>\$162,765.99</b>

## 10. Consequences of Partial Funding

State what the consequences would be on the effectiveness and viability of the proposal if it were only funded in FY 2008 at the following percentages of the requested total:

**Only 75% funded:** At 75% funding the project would remain viable. We would not purchase new PC laptops.

Object of Expense	Itemized Descriptions	Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Optiplex 745 MiniTower	38	\$1,747.03	\$95,179.59
	Optiplex 745 Small Form Factor	5	\$1,350.29	
	iMac 24-inch Intel Core 2 Duo	7	\$2,359.00	
	MacBook 2.0GHz Intel Core 2 Duo - White	4	\$1,382.00	
<b>Supplies</b>	Toshiba 13A26 13" video Monitor	15	\$79.95	\$11,628.40
	JVC SR-VS30U MiniDV/S-VHS VCR	11	\$849.95	
	Sony DVDirect VRD-MC1 External Multi-function 16x DVD+/-RW recorder	6	179.95	
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	Flip4Mac Studio Pro	12	\$99.00	
	QuickTime Pro - Mac	12	\$29.95	
	Roxio Toast 8	12	\$89.99	
<b>Maintenance or Contractual Services</b>	Item 1			\$0.00
	Item 2, etc			
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>				
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Other Expenses</b> (explain)	Item 1			\$0.00
	Item 2, etc			
<b>TOTAL</b>				<b>\$112,303.27</b>

**Only 50% funded:** The Project still remains viable. Laptops (Mac & PC), Multimedia Peripherals and software is eliminated.

Object of Expense	Itemized Descriptions	Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Optiplex 745 MiniTower	37	\$1,747.03	\$81,153.11
	iMac 24-inch Intel Core 2 Duo	7	\$2,359.00	
<b>Supplies</b>				
<b>Software</b> (Note: Include Vendor and Product Name.)				
<b>Maintenance or Contractual Services</b>	Item 1			\$0.00
	Item 2, etc			
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>				
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Other Expenses</b> (explain)	Item 1			\$0.00
	Item 2, etc			
<b>TOTAL</b>				<b>\$81,153.11</b>

## 11. Standard Dollar Amounts

In constructing the budgetary requests in Sections 9 and 10 above, computer workstations should be budgeted at the following levels:

The following desktop systems are the standard technology for Student Technology Fee purposes. Desktop systems exceeding this capability and price must be specifically justified:

1. Windows/Intel processors workstation, including monitor: \$1,222
2. Apple Macintosh models: \$1,430

The following types of equipment require justification over and above desktop systems. The following prices and configurations are standard for these types of equipment. Any deviation from these standards must be further justified:

1. Windows/Intel processors laptop: \$1,749
2. Apple Macintosh laptop: \$1,427
3. Personal Digital Assistant (PDA): \$ 472
4. Tablet computer: \$1,984

*Provide any justification narrative of programmatic requirements here.*

Our desktop systems do exceed standard dollar amounts, the laptops do not.

- Optiplex 745 MiniTower \$1,747.03
- Optiplex 745 Ultra Small Form Factor \$1,350.00
- iMac 24-inch Intel Core 2 Duo \$2,359.00

However, multimedia production requires a significant amount of RAM, Disk space and computing power that exceeds the computing specifications.

The computer specifications for the requested Desktops and Macs are included at the end of this request.

### *Standard Replacement Thresholds*

All equipment being requested due to obsolescence or inadequacy of existing equipment must be itemized on the form provided in Attachment 3: Itemization of Equipment to be Replaced. Each item for which replacement funding is being requested will be in one of the following two categories:

- a) *If the equipment to be replaced exceeds the university minimum of Pentium® 4 1.5GHz, the proposal submitter is required to document specific quantitative performance requirements that warrant the replacement of such equipment. The equipment's inability to perform specific functions must be identified. Also, a statement is required explaining why the performance of such functions is critical to the continued functioning of the facility in which the equipment is located. See Attachment 4: Equipment Exception Replacement Form, which must be completed for all replacement equipment that exceeds the university standard threshold of Pentium® 4 1.5GHz.*

- 1 GHz 32-bit (x86) or 64-bit (x64) processor
- 1 GB of system memory
- 40 GB hard drive with at least 15 GB of available space
- Support for DirectX 9 graphics with:
- WDDM Driver
- 128 MB of graphics memory (minimum)

- Pixel Shader 2.0 in hardware
- 32 bits per pixel
- DVD-ROM drive
- Audio Output
- Internet access (fees may apply)

Dell, at their web site

([https://support.dell.com/support/topics/global.aspx/support/vista\\_support/en/vista\\_readiness?c=us&l=en&s=gen](https://support.dell.com/support/topics/global.aspx/support/vista_support/en/vista_readiness?c=us&l=en&s=gen)) presents the following guidelines to run Windows Vista:

#### Dell Windows Vista Hardware Guidelines

To help further optimize the Windows Vista™ experience, Dell recommends Premium Ready PCs be configured with 2 GB dual-channel (2-DIMMs) system RAM, a Dual-Core processor, a 7200 rpm Hard Drive and at least a 256 MB discrete graphics card.

	Windows Vista Capable <sup>2</sup>	Windows Vista Premium Ready <sup>2</sup>	Dell Recommended
	GOOD	BETTER	BEST
<b>System Memory</b>	512MB RAM	1GB RAM <sup>3</sup>	2GB Dual Channel <sup>3</sup> (2 DIMMS)
<b>Graphics Memory</b>	Integrated or discrete	128 MB Graphics Card (integrated or discrete) <sup>4</sup>	256MB Graphics Card
<b>Processor</b>	modern processor (>800MHz)	1 GHz 32-bit (x86) or 64-bit (x64)	Dual-Core
<b>Hard Drive</b>	>15GB free (recommended)	40GB capacity, >15GB free	7200 rpm
<b>Window Vista Aero Experience</b>	None	Aero enabled as a default, but performance may be compromised as more windows, applications and games are opened.	Can enhance Aero experience and system performance
<b>Great for...</b>	Booting the Operating System, without running applications or games	Multitasking (e-mail, basic photo editing, basic video editing, music, spreadsheets, browsing, and other applications) The experience is only assured in single monitor mode. Dual monitor is supported, but may affect the aero premium experience.	Multi-tasking with power-hungry applications (large spreadsheets, advanced video and photo editing, HD viewing and recording) Dual Monitor Usage

All systems listed for the PC request only have 64 MB integrated Graphics memory and 512 MB dual channel memory. These systems will need to support digital video production, photo editing and Window's Vista. They are not sufficient for our future needs.

## 12. Prerequisite, Non-Technology Fee Funding

N/A

## 13. Matching Funds

N/A

## 14. Staffing and Other Support Availability

*The Instructional Technology Center is sufficiently staffed to support this request.*

## 15. Space Availability and Impact on Facilities

**This project has no impact on facilities.**

## 16. Impact on Computing/Networking/Information Security Infrastructure

### Information Security Review (Tammy Clark):

Impact: Yes

Assessment: Ensure that AV/ISS Proventia desktop software is installed on all computers—contact [security@gsu.edu](mailto:security@gsu.edu) for instructions.

### Wireless and Network Ports Review (Mark Roberson):

Impact: No

Assessment:

### Server Connections (Charles Hollingsworth, Tammy Clark, Keith Campbell):

Impact: (No-CWH) , No impact – KEC

Assessment:

### External Connections (Charles Hollingsworth):

Impact: (No-CWH)

Assessment:

### DVR Installations (Mark Roberson, Tammy Clark, Charles Hollingsworth):

Impact: (No-CWH), (No-MR)

Assessment:

### Lab and Classroom Configurations (Joe Amador):

Impact: Yes/No NO

Assessment: IS&T have negotiated bulk pricing packages for Dell Optiplex 745 which should be used for this project if funded. GX 520's have been discontinued.

## 17. Physical Security Needs

N/A

## 18. Post-Project Assessment Criteria

*Computers will be sufficiently advanced to operate the premium edition of Windows Vista and will handle with ease all audio, video and photo production needs for the life of their warranty.*

## 19. Review and Acknowledgements

Attach electronic notes or documentation showing that the following units or administrators have reviewed or acknowledged this proposal:

- Matching funds commitment from appropriate fiscal officer

Attachment 1
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**GEORGIA STATE UNIVERSITY**  
**Student Technology Fee FY 2008**  
**Itemization of Equipment to be Replaced**  
**Due to Obsolescence or Inadequacy**

**Unit:** \_\_\_\_\_ COE-ITC \_\_\_\_\_

**Proposal Submitter:** \_\_\_\_\_ Sue Husted \_\_\_\_\_

**Proposal/Award Title:** \_\_\_\_\_

If this proposal includes a request to replace old equipment with newer equipment due to obsolescence or inadequate performance, please itemize the specific machines or software to be replaced.

Station Number	Dell Service Tag	Current Room Location	Make	Model	MHZ	Manu. Date	Warranty Expires	
1. ITC 204-01	1. 7V1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
2. ITC 204-02	2. FQ1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
3. ITC 204-03	3. 7X1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
4. ITC 204-04	4. 3V1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
5. ITC 204-05	5. HR1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
6. ITC 204-06	6. BV1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
7. ITC 204-07	7. GV1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
8. ITC 204-08	8. 6S1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
9. ITC 204-09	9. 1X1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
10. ITC 204-10	10. HS1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
11. ITC 204-11	11. 2R1YL51	204	optiplex	GX270	2.8ghz	9/1/2004	9/07	
							9/1/2004	9/07
1. ITC 106-1	1. 1S1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
2. ITC 106-2	2. FZ1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
3. ITC 106-3	3. CY1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
4. ITC 106-4	4. JQ1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
5. ITC 106-5	5. 7Y1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
6. ITC 106-6	6. GY1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
7. ITC 106-7	7. BT1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
8. ITC 106-8	8. 7Z1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	
9. ITC 106-9	9. CW1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07	

10. ITC 106-10	10. 4Z1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
11. ITC 106-11	11. FX1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
12. ITC 106-12	12. CS1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
13. ITC 106-13	13. 4W1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
14. ITC 106-14	14. 6Q1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
15. ITC 106-15	15. 7W1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
16. ITC 106-16	16. FT1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
17. ITC 106-17	17. 6Y1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
18. ITC 106-18	18. 1W1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
19. ITC 106-19	19. 6T1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
20. ITC 106-20	20. GW1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
21. ITC 106-21	21. CX1YL51	106	optiplex	GX270	2.8ghz	9/1/2004	9/07
1. ITC CLASS-254	1. BZ1YL51	254	optiplex	GX270	2.8ghz	9/1/2004	9/07
2. ITC CLASS-256	2. 1Y1YL51	256	optiplex	GX270	2.8ghz	9/1/2004	9/07
3. ITC CLASS-252	3. 3XDDP11	252	optiplex	GX240	2.0ghz	7/23/2002	Expired
4. ITC CLASS-246	4. 4X1YL51	246	optiplex	GX270	2.8ghz	9/1/2004	9/07
1. Apollo	1. G0 NLW41	200	optiplex	GX60	2.8ghz	5/13/2004	5/07
2. Atlantis (color)	2. 31NLW41	200	optiplex	GX60	2.8ghz	5/13/2004	5/07
3. Pluto	3. 11NLW41	200	optiplex	GX60	2.8ghz	5/13/2004	5/07
4. Mercury	4. D0NLW41	100	optiplex	GX60	2.8ghz	5/13/2004	5/07
5. Neptune	5. J1NLW41	106	optiplex	GX60	2.8ghz	5/13/2004	5/07
6. Saturn	6. H1NLW41	116	optiplex	GX60	2.8ghz	5/13/2004	5/07
1. ITCROOM-248	1. 95FDP11	248	optiplex	GX240	2.0ghz	7/23/2002	Expired
2. ITCROOM-150	2. JXDDP11	150	optiplex	GX240	2.0ghz	7/23/2002	Expired
ITCWLT 33	Dell Latitude	210	2X1WL51	D600	1.5GHZ	4/07	
ITCWLT 34	Dell Latitude	210	JS1WL51	D600	1.5GHZ	4/07	
ITCWLT 35	Dell Latitude	210	DK1WL51	D600	1.5GHZ	4/07	
ITCWLT 36	Dell Latitude	210	4Q6QQ41	D600	1.5GHZ	4/07	
ITCWLT 37	Dell Latitude	210	GM6QQ41	D600	1.5GHZ	4/07	
ITCWLT 38	Dell Latitude	210	BN6QQ41	D600	1.5GHZ	4/07	
ITCWLT 39	Dell Latitude	210	7P6QQ41	D600	1.5GHZ	4/07	
ITCWLT 40	Dell Latitude	210	2Q6QQ41	D600	1.5GHZ	4/07	
ITCWLT 41	Dell Latitude	210	BK6QQ41	D600	1.5GHZ	4/07	
ITCWLT 42	Dell Latitude	210	HL6QQ41	D600	1.5GHZ	4/07	
ITCWLT 43	Dell Latitude	210	1L6QQ41	D600	1.5GHZ	4/07	
ITCWLT 44	Dell Latitude	210	3K1WL51	D600	1.5GHZ	4/07	
ITCWLT 45	Dell Latitude	210	3L1WL51	D600	1.5GHZ	4/07	

ITCWLT 46	Dell Latitude	210	HX1WL51	D600	1.5GHZ	4/07
ITCWLT 47	Dell Latitude	210	CV1WL51	D600	1.5GHZ	4/07
ITCWLT 48	Dell Latitude	210	6J1WL51	D600	1.5GHZ	4/07
ITCWLT 49	Dell Latitude	210	GR1WL51	D600	1.5GHZ	4/07
ITCWLT 50	Dell Latitude	210	BQ1WL51	D600	1.5GHZ	4/07
ITCWLT 51	Dell Latitude	210	8G1WL51	D600	1.5GHZ	4/07
ITCWLT 52	Dell Latitude	210	3C1WL51	D600	1.5GHZ	4/07
ITCWLT 53	Dell Latitude	210	BM1WL51	D600	1.5GHZ	4/07
ITCWLT 54	Dell Latitude	210	DL1WL51	D600	1.5GHZ	4/07
ITCWLT 55	Dell Latitude	210	6H1WL51	D600	1.5GHZ	4/07
ITCWLT 56	Dell Latitude	210	GH1WL51	D600	1.5GHZ	4/07
ITCWLT 57	Dell Latitude	210	8P1WL51	D600	1.5GHZ	4/07
ITCWLT 58	Dell Latitude	210	DJ1WL51	D600	1.5GHZ	4/07
ITCWLT 59	Dell Latitude	210	9X1WL51	D600	1.5GHZ	4/07
ITCWLT 60	Dell Latitude	210	FT1WL51	D600	1.5GHZ	4/07
ITCWLT 61	Dell Latitude	210	8Y1WL51	D600	1.5GHZ	4/07
ITCWLT 62	Dell Latitude	210	6W1WL51	D600	1.5GHZ	4/07
ITCWLT 63	Dell Latitude	210	5M1WL51	D600	1.5GHZ	4/07
ITCWLT 64	Dell Latitude	210	2D1WL51	D600	1.5GHZ	4/07

## 2003 Tech Fee Macs to be Replaced

Name	Serial Number	Location	Model No.	GSU PO No.	Date of mfr.	Apple Sales Order No.
ITC G4iBook1	UV3480VUPGW	210	A1054	GSUFS 00000254	Dec-03	7006899551
ITC G4iBook2	UV3480VTPGW	210	A1054	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-1	XB3480JKNVB	241	M9032	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-2	XB3480JCNVB	211	M9032	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-3	XB3480JJNVB	211	M9032	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-4	XB3480JMNVB	211	M9032	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-5	XB3480UNVB	211	M9032	GSUFS 00000254	Dec-03	7006899551
ITC LabG5-6	XB3480JDNVB	211	M9032	GSUFS 00000254	Dec-03	7006899551

Attachment 2
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## GEORGIA STATE UNIVERSITY Student Technology Fee FY 2008 Equipment Replacement Exception Form

**Unit:** \_\_\_\_\_

**Proposal Submitter:** \_\_\_\_\_

**Proposal/Award Title:** \_\_\_\_\_

*NOTE: If the equipment you are replacing is less than a Pentium® 4 1.5GHz processor speed, you do not have to complete this form. This has been adopted as a university-wide standard of minimum performance for operating the current Windows operating systems and office suite. Just state that you are using the university minimum performance criteria.*

Otherwise, please complete the following:

Specify the performance criteria used to determine need to replace equipment. Be sure to indicate the software that must run effectively on the specific machines and the associated performance level (responsiveness, etc.) required for the software to be effective.

Dell, at their web site

([https://support.dell.com/support/topics/global.aspx/support/vista\\_support/en/vista\\_readiness?c=us&l=en&s=gen](https://support.dell.com/support/topics/global.aspx/support/vista_support/en/vista_readiness?c=us&l=en&s=gen)) presents the following guidelines to run Windows Vista:

Dell Windows Vista Hardware Guidelines

To help further optimize the Windows Vista™ experience, Dell recommends Premium Ready PCs be configured with 2 GB dual-channel (2-DIMMs) system RAM, a Dual-Core processor, a 7200 rpm Hard Drive and at least a 256 MB discrete graphics card.

	Windows Vista Capable <sup>7</sup>	Windows Vista Premium Ready <sup>7</sup>	Dell Recommended
	GOOD	BETTER	BEST
<b>System Memory</b>	512MB RAM	1GB RAM <sup>1</sup>	2GB Dual Channel <sup>1</sup> (2 DIMMS)
<b>Graphics Memory</b>	Integrated or discrete	128 MB Graphics Card (integrated or discrete) <sup>4</sup>	256MB Graphics Card
<b>Processor</b>	modern processor (>800MHz)	1 GHz 32-bit (x86) or 64-bit (x64)	Dual-Core
<b>Hard Drive</b>	>15GB free (recommended)	40GB capacity, >15GB free	7200 rpm
<b>Window Vista Aero Experience</b>	None	Aero enabled as a	Can enhance Aero

		default, but performance may be compromised as more windows, applications and games are opened.	experience and system performance
<b>Great for...</b>	Booting the Operating System, without running applications or games	Multitasking (e-mail, basic photo editing, basic video editing, music, spreadsheets, browsing, and other applications) The experience is only assured in single monitor mode. Dual monitor is supported, but may affect the aero premium experience.	Multi-tasking with power-hungry applications (large spreadsheets, advanced video and photo editing, HD viewing and recording) Dual Monitor Usage

All systems listed for the PC request only have 64 MB integrated Graphics memory and maximum 512 MB dual channel memory. As these systems will need to support advanced video, and photo editing they are not sufficient for our future needs.

Explain how the performance criteria listed above relate to your unit's organizational mission and its ability to deliver the intended service effectively.

The College of Education plans to migrate to the Microsoft Vista Platform. Increasing multimedia demands will make it essential to have the maximum amount of Processor, RAM, and hard drive ability to accommodate the operating system and the complex multimedia authoring software and associated system processes..

Identify the specific minimum hardware or software required to have the equipment or systems perform to the level identified in the criteria above.

*See Above*