

Student Application
College of Liberal Arts Technology Fund Grant

__ Summer '05 __ Fall '04 __ Winter '04 __ Spring '05

(Please type or print clearly)

Project title: **Under Graduate Research Opportunity Project/ Directed Research (Senior Seminar) on the Glensheen Grounds Estate**

Duration of Project: From: **9/1/04** To: **5/1/05** (completion date)
Month / Day / Year Month / Day / Year

Funds Requested: (max. \$3000): **2428.64**

Description of Project:

(In this space or on one separate sheet, provide a descriptive plan of the work you propose to undertake.)

Page 3

Project Goal:

(Provide an explanation of what the final product/goal is for the project and how/when it will be demonstrated.)

Page 3

The proposal you submit with this application must include an itemized budget:

(In the space provided or on a separate sheet, provide an itemized budget for your proposed project.)

Page 4

Yes ____ No **X**

Have you previously received a CLA Tech. Fund Grant? If yes, give date, project title, amount.

Past award recipients must have completed a final report and evaluation for all previous projects before they will be considered for another award.

Yes **X** No ____

Have you investigated the availability of other funds? If yes, please provide details:

CLA labtop initiative denied

Yes ____ No **X**

Does this project involve the use of human subjects? If yes, you must receive approval from the Committee on the Use of Human Subjects in Research using their *Request for Approval* form. For more information about this topic go to the *Research Subjects' Protection Programs* webpage <http://www.research.umn.edu/subjects/index.cfm>

Date Applied: _____ Date Approved: _____

Please contact Peter Angelos at (218) 726-7350 or pangelos@d.umn.edu if you have any questions.

Project participants must comply with all University policies, including those addressing responsible conduct of research and intellectual property.

Student Application Cover Sheet for CLA Technology Fund Grants

Purpose

CLA invites proposals for students to use CLA technology fee funds on projects which promote technology in class projects and research. The goal of CLA in using student-generated technology dollars is to enhance the students' learning experience, enable student research to incorporate state-of-the-art technology and applications, and introduce students to the most current technology used in their respective fields. All students with a major or minor in a CLA department and who are enrolled full-time are eligible to apply. Students are asked to provide the course number or faculty sponsor associated with their project.

Proposals for all types of technology projects are invited, however, those with the greatest impact upon CLA students and which cannot be funded out of departmental or research funds will be given higher priority. Grants may be awarded to provide for infrastructure that directly benefits students such as a facility, hardware, software or media.[†] Expenditures for an indirect cost associated with a direct benefit may also apply. These expenditures generally fall into the category of training, support (e.g. cost of a programmer) or development. Examples of projects: incorporating websites or multi-media into a class or senior project; creating a CD or website reference for a course or program; equipment and software purchases for a student project, travel to a conference in which the student will demonstrate his/her project incorporating innovative technology, and use of programmers or developers to enhance a project.

Grants are for the reimbursement of costs incurred in your technology project. Typical projects would fall into the range of \$150 – \$3000. Grants will not cover salary, but may include fees for the use of programmers, developers, etc., with specialized expertise in the project area. Students will be asked to provide a product upon completion of their project in the form of a presentation, conference poster, written report, or other product pre-approved by the Technology Grants Committee (please describe on application).

Selection Process

Awards will be prioritized and granted based on the following review criteria: adherence to the above recommendations, quality of the project, need for CLA technology resources, number of students benefiting from the project, uniqueness or innovation of project, and availability of funds.

Proposals should be submitted to the CLA Technology Director, Peter Angelos. Applications will be reviewed quarterly on the following schedule: October 29 '04, December 23 '04, March 18 '05, June 17 '05. Grants will be announced within three weeks of submittal deadline. The applications will be reviewed by member(s) of the CLA Technology Advisory Committee with recommendations provided to the CLA Dean to award funding.

[†] All materials purchased with CLA Technology Fund Grants remain the sole property of the University of Minnesota Duluth.

Description of the work you propose to undertake

I am currently in the process of researching the Grounds of the Glensheen Estate, under a Undergraduate Research Opportunity Project (UROP) throughout the 04,05 year, and also in the spring semester I am doing my directed research (senior seminar) presentation on the this topic as well. In this research I will come away with three completed projects.

Project Goal

1. Digital database of all current photos of the grounds, and all archival photos of the grounds of the Glensheen Estate.
2. Brochure or guide to be developed for tourist at Glensheen describing points of interest on the grounds to compliment tour
3. Virtual Tour of the Grounds of the Glensheen estate throughout the last hundred years for my Directed Research presentation. This will encompass most of my research over the course of the year.

I hope to have the Glensheen Grounds Digital Database burned onto Compact Discs so that I can easily hand them out to whoever may want or need them. For example UMD Facilities management already wants a copy of the Disc once its made. It will also be a bonus feature of my final presentation.

The Brochure will be presented in basic black and white 8 x 11 paper so that the Glensheen can easily afford to copy them and give out to tourists. Though a color design would be preferable.

The virtual tour will be burned onto a disc and will have many bonus features such as the Glensheen Digital Database and the "you'll like my mother" behind the scenes photos from Elizabeth Congdon herself. I will present it across a projector and will explain the history of the grounds as I go through the photos in a compare and contrast format. Time pending I hope to have text and voiced bubbles explaining information as well. That way I could hand the disc out and people could just listen or read the information to each picture, without me presenting it.

Why do I need this?

In my research I will be building a digital database of the archival photos at Glensheen and I have found and archived over a thousand photos so far but my current computer has issues with how many photos I am moving around and tends to lock up often. Also I do not have a burner on my computer to move the files easily to another location or to other people considering its size. With a powerful and reliable laptop I can more easily access the files and distribute them for their appropriate means. The portability of the laptop would be exceptional because I can carry this around to different locations for research around the grounds and can study documents at my house, UMD, or in the mansion of Glensheen. It is almost a necessity for this project to have it portable as you can imagine.

The reason I need an Apple Powerbook G4 is because of the last two projects. I am going to be working with graphic designers to build a brochure to be given out to every tourist that pays to go on tour at Glensheen and also my presentation will be done by a Graphic Artist as well. The powerbook's strengths work very well with graphic designers and would help me execute my final project successfully with little drawbacks. The software that my graphic designer uses easily transfers to apple software and not easily to a PC. I myself am very used to the Apple software as well, and would prefer it to the windows setup.

I also need the Office 2004 software for basic documenting and presentation functions. The more expensive scanner is one of the most needed because of what I will be scanning. I need a scanner that can scan slides as well as basic photos. I also need a scanner powerful enough for quality scanning of archival photos. This scanner will do that.

Glensheen has few Internet ports and are located in areas not near research material. If the University would install a wireless network like on campus at least in the Carriage House, I with the recommended laptop would be able to access information online in a quick useful format. Also this could be useful for the future director and maybe curator of Glensheen and save them cost on installing Ethernet lines through hundred-year-old concrete walls. Internet research is vital to my project and if I can check sources immediately after finding material would be helpful and efficient.

Future use of the technology after I am done.

Also it should be kept in mind that both items will be of great use to Glensheen after I am done as well. For example the laptop could be used for future research of say the mansion itself. I know there is mountains of research that is needed to be done down there, and my project will cover a tenth of what's needed if that. Either way this laptop will be of great use to future research and information distribution, for whatever its purpose. The scanner is also very needed later as well. I know they consistently are using digital photos for advertising and could use a way to get the images from slides to a digital file without outsourcing their limited funds. Plus a scanner of high quality such as this is needed when dealing with hundred-year-old photos.

Itemized Budget

Apple Powerbook G4

12.1-inch TFT Display
1024x768 resolution
1.33GHz PowerPC G4
512K L2 cache
256MB DDR333 SDRAM
60GB Ultra ATA/100
NVIDIA GeForce FX
Go5200 (64MB DDR)
Full size keyboard
10/100BASE-T Ethernet
FireWire 400
AirPort Extreme built-in
Mini-DVI out
1399.00

Office 2004 Student Edition

149.99

Canon Canoscan 9900F Firewire Scanner

The CanoScan 9900F Color Image Scanner has nearly all the features you could ever wish for to handle any scanning needs, fast and easily. Resolution as high as **3200 x 6400 dpi** immediately identifies the 9900F scanner as a powerful tool. **Scan previews in approximately 3 seconds** and up to **48-bit depth for over 281 trillion possible colors** - confirm that this is the definitive scanner for **professional-looking results**. Connections for either **FireWire** or USB 2.0 Hi-Speed provide customers with rapid transfer rates of up to **400/480 Mbps - perfect for large files**. The 9900F scanner is built to deliver spectacular scans all day long for your choice of photos, transparencies or negatives in a wide range of sizes: 35mm, medium-format or 4" x 5" - and photos or documents up to 8.5" x 11". To quickly and conveniently add negatives or slides to any project, a built-in 35mm film adapter scans up to **24 negative frames or 8 mounted slides at a time**.

399.00

ITSS wireless installation at Glensheen

Labor 120.00
Monthly fee for year 192.00
312.00

Tax and shipping

168.69

Total request

2428.64