

## **Dee Family Technology Grants Funding Criteria**

The Dee Family Technology Awards provide support for faculty projects using technology in research or applying technology to pedagogy. Funds are distributed based on a competitive proposal process and proposals are reviewed by the Academic Resources and Computing Committee.

In order to qualify for funding, a successful proposal must fit into one of the following general categories:

1. Projects specifically related to faculty research or scholarly activities.
2. Discipline-specific software to enable a faculty member to enhance an existing course, or to develop a new course.
3. One-time technical support for the development of special software related to a specific course.
4. Costs associated with one-time faculty training in an area of information technology directly applicable to the academic mission of the institution.
5. Requests for specific pieces of hardware are acceptable. However the hardware should be essential for completion of a project in one of the four categories above.

Funds available for award during Spring 2004 total \$15,000. Given the limited availability of funds, restrictions exist related to the funding of information technology by the Dee Family Technology Awards:

1. During this initial phase, project requests are limited to a maximum of \$5,000.
2. Faculty and staff office computers are not funded. Under certain circumstances, an individual may require a machine that exceeds the campus standard. In such a case, this may qualify for funding.
3. Equipment or technical support for student or departmental laboratories are not supported.
4. Only projects directly related to information technology are funded.

The form below must be emailed (without signatures) and mailed to the ARCC chair, David Ferro, [dferro@weber.edu](mailto:dferro@weber.edu) and MC 2401 by April 1, 2004.

**Dee Family Technology Awards  
Proposal for Funding**

Due Thursday, April 1, 2004

**Project Title:**           **Laptop for Circadian Rhythms Research Project**          

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**Project Director:**           **Lauren Fowler**          

**Department(s):**           **Psychology**          

**College(s):**           **Social and Behavioral Sciences**          

**E-Mail:**           **lfowler@weber.edu**          

**Extension:**           **x7620**          

**Other Members of the Project Team:**           **Other USERS would include**            
**students involved in data collection and analysis (these would change every year)**

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**Instructions:**

1. Please complete each section in the space provided. The justification section should not exceed two single-spaced typed pages.
2. You are required to obtain the signature of an ARCC representative for your college, indicating that she/he is familiar with the proposal, and can speak to it during funding deliberations.
3. Your department chair's signature is also required, indicating that she/he supports the proposal, and that the proposal is in keeping with departmental goals related to information technology and its applications to the academic mission of the institution. Your Chair's signature also indicates her/his commitment to help support the project financially if so indicated on the budget page.
4. The form below must be emailed (without signatures) and mailed to the ARCC chair, David Ferro, [dferro@weber.edu](mailto:dferro@weber.edu) and MC 2401 by April 1, 2004.

**ARCC Representative:**

I have read the proposal and discussed it with the Project Director.

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ARCC Representative

Comments:

**Department Chair:**

The Department has reviewed this project within the context of overall information technology planning within the Department. If the budget page indicates financial support from the Department, I agree to commit those funds to this project.

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Department Chair

Comments:

**College Dean:**

I have reviewed this project. If the budget page indicates financial support from the College, I agree to commit those funds to this project.

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College Dean

Comments:

## **Justification**

Your proposed project should be described as clearly and succinctly as possible in the spaces provided below. Be sure to review the “Criteria for Funding” document. *The entire justification section should not exceed two single-spaced pages.*

### **Abstract (project summary):**

This proposal is for the purchase of a laptop/Tablet PC which would be used for data collection and analysis for faculty and student research projects related to circadian rhythms. Currently testing is done on the faculty member’s computer in her office, or on an older, non-networked computer in a data collection room. The physical constraints of using desktop computers rather than a laptop computer restrict movement and subject groups that can be used. This laptop/Tablet PC would allow data collection to take place at any location, including but not limited to anywhere on campus, Hill Air Force Base, Brooks Air Force Base (San Antonio, TX), and various other community locations. Because several cognitive assessments are used, including the military’s Automated Neuropsychological Assessment Metric (ANAM), computers are necessary to gather, store, and analyze data. These computerized metrics can only be used in the faculty office at this time, limiting subjects and threatening the validity of the research. A notebook/Tablet PC would allow increased accessibility to participants, and it would allow the faculty member and the students to all be involved in data collection and analysis together. The Tablet PC portion is important because it would allow the screen to be rotated so that multiple participants and researchers can be involved simultaneously.

### **Objectives and goals of this project:**

The goal of this project is to increase the places, participants, and accessibility of this research project. Several students are conducting research on this topic at Ogden Regional Medical Center, and they are forced to ask the participants to come to WSU to participate. This would allow students to collect their data on site, and it would allow the faculty member to conduct research on campus, with the Air Force, and in community settings without the physical constraints of a desktop computer. The goal is to be able to increase research sites, increase research participation, and increase student involvement in research.

**Identify specific courses and/or programs that will directly benefit from this project:**

(You may also want to describe how specific courses may be enhanced by this project.)

This project will definitely impact the students' directed readings, projects and research, and senior thesis research courses. I teach all of these courses, and I typically have approximately 10 students working with me on research every semester. In addition, this would augment my own research abilities, which would contribute to the collaboration with community partners, increase chances of grants and external funding, and enhance WSU's interaction with the community.

**If applicable, describe how this project will help to increase faculty productivity or enhance competency in some area of information technology.**

This project will allow my research project to continue and to expand, since it would allow data collection to take place at numerous sites at different times of day. Currently we are hampered by the physical limitations of an office desktop computer, which limits number of participants, time of testing, location of testing, and number of researchers who can use the equipment. This project will allow the research to go in many more directions, which will hopefully contribute to presentations and publications for both faculty and students.

**Describe how the success of this project will be evaluated.**

(If reports or publications are anticipated from this project, please indicate such.)

The success of this project will be evaluated through the usage of the laptop and the collection of data with this laptop. Increased locations and participants (compared to the last 3 years of data collection) will contribute to the evidence of success.

**Timeline:**

(If funded, when will this project be implemented?)

Purchase this equipment ASAP (although July, 2004 is most likely) and begin using the equipment during the summer data collection period at Brooks Air Force Base. This will also be used extensively by students starting Fall 2004.

### **Budget**

Note: Please be as specific as possible regarding requested hardware, software, or other resources. If funds are being committed from other resources, please so indicate.

A wireless notebook/Tablet PC is requested. *Please see attached sheet for specifics of the computer.* The memory was upgraded to insure that the computer will be able to store the neuropsychological assessments.

Cost: \$2000.00

All software, maintenance, and peripherals will be funded by the individual and the department of psychology.