

# Academic Resources and Computing Committee

## *Proposal for Funding*

Due Thursday, April 1st, 2004 (4:30 p.m.)

**Project Title:** Classroom Multimedia Enhancement Project (SS Bldg. Room 226)

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**Project Director:** Michelle Heward and Scott Senjo

**Department(s):** Criminal Justice

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

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Heward, x-6151; Senjo, x-7851

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**Other Members of the Project Team:** \_\_\_\_\_

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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. (An addendum may be attached describing details of specific hardware and/or software that are requested with this proposal.)
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. Your dean's signature is also required, indicating that she/he has read and supports the project. Your dean's signature also indicates her/his commitment to help support the project financially if so indicated on the budget page.
5. Your college's computer committee must rank the proposal, and the committee chair's signature is required.
6. For certain projects an IT expert's signature is required. You must contact the appropriate individual if you are implementing a wireless network, multimedia classroom, software/hardware purchase that will require use of a campus server or work with online course software like

WebCT Vista or ChiTester. You must give time before the deadline - the recommendation is 3 weeks - for that person to do an evaluation.

7. Submit one copy of the proposal, together with all relevant signatures, by 4:30 p.m., Thursday, April 1, 2004. NOTE: the ARCC no longer requires seventeen copies.
8. You must both email a soft copy and mail a hard copy of the proposal to the chair, David Ferro, MC 2401.

**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:

**College Computer Committee Chair:**

This proposed project has been reviewed and discussed by our college's computer committee. It is the consensus of the committee that this proposed project is consistent with information technology goals within the college. Furthermore, after ranking all of the proposals submitted by our college, we rank this proposal in priority as

\_\_\_\_\_ out of a total of \_\_\_\_\_ proposals submitted this year.\*

\*Note: Each proposal must be given a separate ranking; no two proposals may receive the same rank.

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College Computer Committee Chair

Comments:

**IT Representative:**

For certain projects an IT expert's signature is required. You must contact the appropriate individual if you are implementing a

**WIRELESS NETWORK** (contact Brook Chase at [bhchase@weber.edu](mailto:bhchase@weber.edu) or x7192),

**MULTIMEDIA CLASSROOM** (contact Bob King at [rking@weber.edu](mailto:rking@weber.edu) or x6865),

**CERTAIN SOFTWARE/HARDWARE** purchases that will require use of a campus server or work with online course software like WebCT Vista or ChiTester (contact Ted McGrath at [tmcgrath@weber.edu](mailto:tmcgrath@weber.edu) or x7196).

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

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IT Representative (printed and signed)

Comments (including status):

# 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):**

The Criminal Justice (CJ) Department maintains a relatively high number of majors, minors, and the graduate program continues to increase in size and popularity. Hence, CJ-designated classrooms are well used. Social Science Building Room 226 is one such room. Room 226 is used by Criminal Justice faculty more than any other classroom. The use includes the instruction of undergraduate and graduate classes, and also the holding of numerous special event lectures and meetings such as the annual Domestic Violence Academy, Moot Court, Research Project Staff trainings, etc. Due to the number of CJ students, and the wide variety of instructional mediums that take place in this room, and the integral role of instructional technology for the delivery of higher education, this proposal seeks to add multimedia equipment to Room 226.

Multimedia equipment in 226 will create the potential for dozens of pedagogical developments that are currently unavailable. This includes student presentations on flashsticks, instructor demonstrations on tracking criminal suspects with global tracing software, realtime legal research, and the use of biometric software to identify missing persons. This and other software provide an enhanced graphic medium to present course material, and the way in which the material is presented is more engaging to students compared to traditional mediums. A multimedia environment in 226 will also offer the opportunity to demonstrate web-based learning techniques in the classroom, including literature searches in upper division and graduate courses and SPSS analysis (for statistics and research methods classes). Because of the unlimited uses for computer, DVD, SACD, and DVD-RW technology in the classroom, the CJ faculty would better serve the large number of majors, minors, graduate students, and special event attendees in that classroom. As the technology intelligence quotient of the expanding department faculty in CJ increases, the demand for computers in the classroom will continue to increase as well. For these reasons, the Department of Criminal Justice would like to request that a computer with a CD-RW drive, LCD projector, Desktop Camera (“ELMO”), DVD player with RW capacity, and a 21-inch, flat panel computer monitor be provided by ARCC for Room 226 to enhance the overall presentation and learning environment. The Department of Criminal Justice, and the College of Social and Behavioral Sciences will contribute a percentage of the costs for equipment, wiring, configuration, and installation.

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

This equipment will be used to enhance the teaching and learning environment of Room 226 in the Social Sciences Building. This would impact an unusually large number of classes and special events in the Social Science Building. This would allow a class with larger enrolment to use multimedia facilities and would open up the availability of the multimedia carts for the smaller classrooms, including transporting the cart to basement level classes via the building elevator. The equipment being purchased reflects those items purchased for the standard classroom at the Davis Campus.

**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.)

CJ 3130 *Investigation of Computer Crime*: Searching files and folders on disc drives, FAT tables, routers, and peripherals. Running utility tools such as TEXTSEARCH Plus or CHECKLASTLOG.

Masters Course MCJ 6140 *Technology and Innovation in Criminal Justice*. Demonstrations of retina identification software, fingerprint analysis machinery and software, parolee satellite tracking, voice analysis, thermal imaging software, crime mapping, email header forgery, AVL (automated vehicle locator), keystroke logger programs, virus creation techniques, and spyware.

Forensic Science Courses: CJ 4110 and 4120: Software forensic analysis of hair, blood, semen, and urine samples.

CJ 1350 *Scientific Investigation Principles*: Demonstrations of basic investigatory techniques.

CJ 4980 *Research Methods*: PowerPoint Lectures, Online Searches, Explaining Chi Tester, Demonstrating Scatterplots, Demonstrating Library Resources, and SPSS Analysis.

CJ 3600 *Statistics*: PowerPoint Lectures, Explaining Chi Tester, CD-ROM based Interactive Exercises, SPSS Analysis.

CJ 3300 *Victimology*: PowerPoint Lectures, Online Searches, Demonstrating Library Resources, and CD-ROM based Interactive Exercises.

CJ 3020 *Criminal Justice Management*: PowerPoint Lectures, Online Searches, Explaining Chi Tester, Demonstrating Library Resources, Online Experiments, and Web Site information and navigation.

CJ 2350 *Laws of Evidence*: PowerPoint Lectures, Online Searches, Explaining Chi Tester, Demonstrating Library Resources, and CD-ROM based Interactive Exercises.

CJ 3110 *Issues in Security Loss and Prevention*: PowerPoint Lectures, Online Searches, CD-ROM based Interactive Exercises, and Web Site information and navigation.

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

(Please note that ARCC does not support faculty desktop or laptop computers.)

By making information technology more available to professors, it will encourage the use of this equipment for teaching, as well as demonstrations and student presentations. Current textbook supplements include DVDs and interactive demonstrations for teachers to use, so this equipment will also allow professors to make better use of their learning tools.

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

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

This project has a strong likelihood of success. Students will be exposed to more innovative teaching and learning environments and faculty will have more pedagogical tools at their disposal. Student evaluations will be used to assess the effectiveness of this technology for learning and a faculty focus group will be used to assess faculty satisfaction with this project.

**Timeline:**

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

Hardware will be purchased early Summer 2004 and the equipment will be available for faculty teaching in the Fall 2004.

# Budget

Note: Please be as specific as possible regarding requested hardware, software, or other resources (you may include an addendum to describe the hardware). If funds are being committed from other resources, please so indicate.

<b>Hardware:</b>	<b>ARCC</b>	<b>Department</b>	<b>College</b>	<b>Other</b>
	(Requested)	(Committed)	(Committed)	(Committed)
Electrical (power to components)	150.00			
Electrical Systems (cables, etc.)	400.00			
Console (custom FM)	100.00		1500.00	
Projector Mounting Plate (Panasonic)	150.00			
Cable Lock (Kensington)	30.00			
Ceiling Mount Flange (Chief)	110.00			
Projection Screen (100-inch) (Da-Lite)	200.00			
External PC Cable (Electrical Systems, 12-ft.)	20.00			
Pair speakers (NHT, Super 0 XU)	160.00			
Control System (Extron, MLS 406MA)	1,100.00			
Button Panel (Extron, MLC 206AAP)	900.00			
Machine Control (Extron, IRCM-DV+)	250.00			
Dell Dimension Computer with CD-RW and DVD-RW drives	1,100.00			
DVD Player (Panasonic, DVD-R32K)	100.00			
SVHS VCR by JVC (HR-S3902U)	124.00			

ELMO Desktop Camera	2,000.00			
Panasonic PT-L72OU XGA LCD Projector	1,571.00			
Panasonic SA-HE70K Stereo Amplifier	160.00			
<b>Hardware Subtotals:</b>	8,625.00		1,500.00	

	<b>ARCC</b>	<b>Department</b>	<b>College</b>	<b>Other</b>
<b>Software:</b>	(Requested)	(Committed)	(Committed)	(Committed)
<b>Software Subtotals:</b>				

	<b>ARCC</b>	<b>Department</b>	<b>College</b>	<b>Other</b>
<b>Other:</b>	(Requested)	(Committed)	(Committed)	(Committed)
Additional Resources (see below)	750.00	1,000.00	500.00	
<b>Other Subtotals:</b>	750.00	1,000.00	500.00	
<b>Grand Totals:</b>	9,375.00	1,000.00	2,000.00	

**TOTAL FOR PROJECT: 12,375.00** (Sum of all columns)

## **Additional Resources**

### **Please describe what other resources will be required to implement this project:**

(Additional resources may include needs such as Academic Computing technical support or hardware installation through Electronic Services.)

Room 226 is currently a mock trial room and contains a judges bench, witness stand, and jury box. The mock trial configuration was installed when the Social Science Building was constructed in 1971 and has long outlived its usefulness. In addition, the physical presence of the judges bench, witness stand, and jury box are a cumbersome presence which requires the person instructing the class to maneuver their body around the spaces. This complication can cause the instructor to accidentally trip and fall and is a risk management issue for the university. The judges bench, witness stand, and jury box will have to be removed to allow the instructor/presenters freedom of movement and to accommodate the needed extra space and the new multimedia. In sum, the room will be modified to meet the standards of contemporary higher education. The judges bench, witness stand, and jury box have to be removed, carpet installed, and two whiteboards purchased and placed on the wall. The College has agreed to contribute \$500 to this part of the project (over and above the contributions for the hardware listed above), and the Department of Criminal Justice has also agreed to make a \$1,000 contribution. The Department of Criminal Justice requests \$750.00 from ARCC to facilitate the modification of the room to accommodate the new technology.