FY05 Technology Fee Proposal

Submitting Organization: College of Health and Human Services
Major Unit: College of Health and Human Services
Department: Institute of Public Health
Contact Person: Carolyn C. Kee, Associate Dean
E-Mail: ckee@gsu.edu
Telephone: (404) 651-1582

1. Project Short Title

Support for Qualitative Research Training and Field Work

2. Total Requested

Fiscal Year 2005
$ 40,315

3. Executive Summary

This project provides for the purchase of software and computer hardware to train public health and other health sciences graduate students in qualitative research methods and techniques. The software and hardware will be used for classroom education. It will also be organized in a library by the Institute of Public Health and loaned to students based on class assignments and to allow graduate researchers, students and post-doctoral fellows to conduct qualitative field and survey research.

4. Project Description

The project allows for establishment of a qualitative methods training and research program, within the Institute of Public Health and available for use by the other graduate programs in the College of Health and Human Sciences.

Increasingly, qualitative research is becoming a recognized standard and accepted methodology in the social sciences. It is a particularly valuable tool for public health and community-based participatory research, because it allows for richness and depth in data collection and robust information exchange between the researcher and the study participant(s). Many NIH funded research efforts now rely on qualitative research, alone or in partnership with quantitative research. Most interdisciplinary research (which is the emerging focus for NIH) requires a qualitative component.

This project seeks funding to purchase the software and hardware necessary for training public health and other health sciences graduate students in qualitative research methods and techniques, and to provide the necessary tools and support to allow students, graduate researchers and post-doctoral fellows to conduct qualitative survey and field research.

Twelve laptop computers with wireless network access will be loaded with Nvivo software (the health services industry standard for qualitative research) and the GSU standard software packages and statistical research packages (e.g., SPSS, EpiInfo). These computers will be used in the classroom, and will also be organized in a library by the Institute and loaned to students based on class
assignments and research activities. The wireless network access will allow interface with GSU and other research-based systems, and will allow for secure data upload/download capabilities. Five portable printers would be available for checkout with the laptops to support fieldwork.

One desktop and printer, and a six-user Nvivo site license (for use with the new desktop, and existing GRA/faculty workstations) will be purchased for student use on campus, faculty curriculum design and student research development.

5. Record the review numbers assigned by UCCS and Facilities. Their assessments must be included in Sections 16 and 17.

| UCCS: 05-080  |
| Facilities: 13445-04 |

6. Relevance to Regents Guidelines

[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.
   In funding this project, technology fees will be used for the direct benefit of students in meeting educational objectives of the Master of Public Health (MPH) degree program and in supporting research training for other health and social science graduate education.
[2] Technology fee revenues should be used to assure that there are sufficient campus licenses for primary productivity tools such as those found in the Microsoft Office product suites for discipline specific software.
   For this project, technology fees will be used to purchase software licenses for qualitative research productivity tools and software.
[3] Technology fee revenues should be used for hardware and Network related expenditures that include support of general purpose or special purpose laboratories used by students for body productivity and more discipline related activities.
   This project seeks funding for hardware to support classroom education and laboratory learning in the community (the primary venue in which qualitative research occurs).
[4] Technology fee revenues may be used for training of students and, to a lesser extent, staff and faculty.
   For this project, technology fees are used to train (in the classroom and in the field) students. Faculty training is provided only to the extent it is necessary in order to ensure quality instruction and student research oversight.

7. Relevance to Strategic Plan(s)

This project is relevant to the CHHS strategic plan in several areas, including:
   a. Teaching. Goal 1. To foster the innovative use of technology in teaching.
   b. Scholarship. Goal 2. To encourage development of interdisciplinary/intra-departmental/intra-college research groups.
   c. Students. Goal 1. To provide students in the college with courses that assure competence and leadership in core areas.
   d. Research Space. Goal 1. To obtain adequate research space and facilities to support teacher-scholar activities (to include equipment and software).
   e. Community. Goal 1. To expand current academic community-focused partnerships.

8. Impact on Students Served

The project will support the graduate education experience of all students enrolled in the new MPH degree program (ultimately, approximately 50 students annually) and the existing Graduate Certificate of Public Health program (approximately 60 students). In addition, students in other College of Health and Human Sciences graduate programs (specifically, nursing, physical therapy, criminal justice,
Two current faculty members (Hepburn and Jernigan) will provide training and supervision for students. They will be available during faculty office hours and class time to assist students. Other faculty and researchers will be engaged based on subject matter expertise.

9. Justification of Funding Requirements for Fiscal Year 2005

The proposed budget provides for 12 individual users and 6 GSU-based concurrent users.

<table>
<thead>
<tr>
<th>Object of Expense</th>
<th>Itemized Descriptions</th>
<th>Quantity</th>
<th>Per unit price</th>
<th>Extended Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>Item 1. 6-user Nvivo site license for network</td>
<td>1</td>
<td>$3,315.00</td>
<td>$3,315.00</td>
</tr>
<tr>
<td></td>
<td>Item 2. Individual Nvivo software licenses for laptops and field work</td>
<td>12</td>
<td>$735.00</td>
<td>$8,820.00</td>
</tr>
<tr>
<td>Maintenance or</td>
<td>Item 1. Nvivo site license training and maintenance</td>
<td>1</td>
<td>$740.00</td>
<td>$740.00</td>
</tr>
<tr>
<td>Contractual Services</td>
<td>Item 2. Individual Nvivo license maintenance and support</td>
<td>12</td>
<td>$140.00</td>
<td>$1,680.00</td>
</tr>
<tr>
<td>Supplies</td>
<td>Item 1. Dell Pentium Laptops with Wireless Network Access (Latitude D505)</td>
<td>12</td>
<td>$1,805.00</td>
<td>$21,660.00</td>
</tr>
<tr>
<td></td>
<td>Item 2. HP DeskJet 450cbi Mobile Printer</td>
<td>5</td>
<td>$300.00</td>
<td>$1,500.00</td>
</tr>
<tr>
<td></td>
<td>Item 3. Desktop Workstation for GRA Room, Dell Precision 650 (Data Host and Processor)</td>
<td>1</td>
<td>$1,800.00</td>
<td>$1,800.00</td>
</tr>
<tr>
<td></td>
<td>Item 4. Graphics Quality Laser Printer for GRA Room</td>
<td>1</td>
<td>$800.00</td>
<td>$800.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$40,315.00</strong></td>
</tr>
</tbody>
</table>
10. Consequences of Partial Funding

**Only 75% funded:** The project would be viable – but very difficult to operationalize due to limited resources and the number of students to be served. (The reduction would allow for only 9 individual users and 5 GSU-based concurrent users.)

<table>
<thead>
<tr>
<th>Object of Expense</th>
<th>Itemized Descriptions</th>
<th>Quantity</th>
<th>Per unit price</th>
<th>Extended Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>Item 1. 5-user Nvivo site license for network</td>
<td>1</td>
<td>$2,580.00</td>
<td>$2,580.00</td>
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<td></td>
<td>Item 2. Nvivo individual software license for laptops and field work</td>
<td>9</td>
<td>$735.00</td>
<td>$6,615.00</td>
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<td>Maintenance or Contractual Services</td>
<td>Item 1. Nvivo multi-user site license training and maintenance</td>
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<td>$600.00</td>
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<tr>
<td></td>
<td>Item 2. Nvivo individual license maintenance and support.</td>
<td>9</td>
<td>$140.00</td>
<td>$1,260.00</td>
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<tr>
<td>Supplies</td>
<td>Item 1. Dell Pentium Laptops with Wireless Network Access (Latitude D505)</td>
<td>9</td>
<td>$1,805.00</td>
<td>$16,245.00</td>
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<tr>
<td></td>
<td>Item 2. HP DeskJet 450cbi Mobile Printer</td>
<td>3</td>
<td>$300.00</td>
<td>$900.00</td>
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<tr>
<td></td>
<td>Item 3. Desktop Workstation for GRA Room, not Precision 650 (smaller storage capacity)</td>
<td>1</td>
<td>$1,600.00</td>
<td>$1,600.00</td>
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<tr>
<td></td>
<td>Item 4. Printer for GRA Room</td>
<td>1</td>
<td>$436.00</td>
<td>$436.00</td>
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</tbody>
</table>

**TOTAL** $30,236.00

**Only 50% funded:** The project would not be viable if only 50% funded.

11. Standard Dollar Amounts

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

- Windows/Intel processors workstation, including monitor: $1,600
- Apple Macintosh models: $2,800

Requests departing from the above standard amounts require documentation of the specific programmatic need that requires departure from this standard. (See Attachment 2: Standard Windows/Intel instructional workstation.) Please explain any requested departures below:

*The GRA desktop workstation will require sizeable data storage and processing capacity, therefore CHHS Technology Manager Al Rosser advises that a Dell Precision 650 be purchased. The laptops require wireless connection and processing capacity, therefore Mr. Rosser advises that Dell Latitude D505 is the appropriate platform.*

12. Standard Replacement Thresholds

*Not Applicable*

13. Prerequisite, Non-Technology Fee Funding
14. Matching Funds

Not Applicable

15. Staffing and Other Support Availability

Project will be supported by existing faculty and technology support personnel in the College.

16. Space Availability and Impact on Facilities/CBSAC:

“This project does not impact facilities.”

17. Impact on Computing/Networking/Security Infrastructure UCCS:

“This proposal will not require changes to the University network infrastructure. Proposer must understand that wireless connectivity is provided as a common user system and security of the data should not be assumed.”

18. Post-Project Assessment Criteria

a. number of students trained in qualitative research methods and meeting course objectives
b. number of students participating in qualitative research activities and community-based participatory research

19. Review and Acknowledgements

Dr. Susan Kelley, Dean, College of health and Human Sciences
Mr. Anthony Roberts, Business Manager, College of Health and Human Sciences
Dr. Carolyn Kee, Associate Dean of Research, College of Health and Human Sciences
Dr. Michael Eriksen, Director, Institute of Public Health