FY04 Technology Fee Proposal

Submitting Organization:
Major Unit: College of Health and Human Sciences
Department: Nutrition

Contact Person: Carolyn Kee
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Telephone: (404) 651-1582

1. Project Short Title:

Personal Data Assistants (PDAs) in Dietetic Practice

2. Total Requested:

| Fiscal Year 2004 | $ 20,312.39 |

3. a) Executive Summary:

<table>
<thead>
<tr>
<th>Project Description (three or four sentences)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Data Assistants are portable, hand-held devices that can provide dietetic students with rapid access to technical nutrition information and specialized calculators to make appropriate decisions regarding nutrition care of clients. Funds are being requested to purchase Personal Data Assistants and compatible software for dietetic students to use while training in a variety of settings. Dietetic professionals need rapid access to technical information and specialized calculators to make appropriate decisions regarding effective client care.</td>
</tr>
</tbody>
</table>

3. b) Project Description:

This proposal is for the purchase of Personal Data Assistants and relevant software for the purpose of training nutrition and dietetic students. The goal is to provide students a wide variety of experiences in using technology to quickly access pertinent clinical information that impacts clients’ nutrition care and medical nutrition therapy. This proposal includes the purchase of software in the areas of nutritional assessment, laboratory and diagnostic tests, and drug and nutrient interactions. In addition, other specific software applications are available free of charge that allow students to access nutrient data for more than 6,000 food items and calculate Body Mass Index and other indicators of nutrition and health status. The technology will be used in classroom projects for nutrition undergraduate and graduate students and in a variety of patient care settings for dietetic internship students, including hospitals, dialysis clinics, research facilities, and outpatient settings. PDAs offer an inexpensive and effective way to provide information and tools to dietetic practitioners because they are portable and easy to use.

4. Record the review numbers assigned by UCCS and Facilities. Their assessments must be included in Sections 15 and 16.
5. 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.
[2] Technology fee revenues should be used for discipline specific software.
[4] Technology fee revenues may be used for training of students and, to a lesser extent, staff and faculty.

6. Relevance to Strategic Plan(s)

The University’s strategic plan states that part of its vision is to create a culture that provides a learning-centered academic environment and an emphasis on lifelong learning for students. The proposed project is closely aligned with the University’s strategic plan because it addresses the need for students to develop information management skills that are necessary for lifelong learning, it enables students to have ready access to computing resources in a variety of different settings, it allows students to use technology tools to engage in inquiry-based learning, and it improves the quality of their educational experiences and learning environment.

The College of Health and Human Sciences’ strategic plan has a major goal “To foster the innovative use of technologies in teaching.”

Both the University and College strategic plans provide justification for this proposal.

7. Impact on Students Served

Fifty students in the Department of Nutrition, including undergraduate, certificate students in the dietetic internship program, and graduate students will be provided opportunities to work with PDAs and their applications as part of their educational experiences. Assignments and projects for undergraduate and graduate courses will be developed for courses such as medical nutrition therapy, food science, foodservice, lifestyle nutrition, and nutrition issues. Learning experiences for dietetic interns to use the PDAs will be incorporated into a variety of patient care settings, such as hospitals, nursing homes, renal dialysis clinics, and outpatient settings. Patients with specialized nutrition needs will be well served by dietetic interns’ use of PDAs, including older adults in long-term care settings, acutely ill patients who require special feeding formulas, and patients on renal dialysis.
8. Justification of Funding Requirements for Fiscal Year 2004

Object of Expense | Itemized Descriptions                                      | Quantity | Per unit price | Extended Total |
---               | ---                                                        | ---      | ---            | ---            |
Equipment        | Palm Tungsten T                                            | 50       | $359.10        | $17,955.00     |
|                 | Aluminum Cases for Palm Tungsten T                         | 50       | $39.95         | $1,997.50      |
Software         | Nutritional Assessment Software (Dietary Software, Inc)     |          | $99.00         | $99.00         |
|                 | Drug Guide for Physicians (Skyscape)                       |          | $107.00        | $107.00        |
|                 | Drug Interaction Facts (Skyscape)                          |          | $69.95         | $69.95         |
|                 | RNLabs: Nurse's Manual of Laboratory and Diagnostic Tests, v.5.0.112 (Skyscape) | | $43.95 | $43.95 |
TOTAL            |                                                            |          |                | $20,312.39     |

* Software estimates include Site License to cover 50 Palms for Students and 10 PCs for Faculty

9. 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 2004 at the following percentages of the requested total:

**Only 75% funded:** State specifically whether or not the proposed project would remain viable. If the project would remain viable, itemize and total the following categories of expense at 75% funding in the Microsoft Excel spreadsheet below.

With only 75% funding, the project would remain viable but would eliminate the purchase of 13 Palm units and cases, and, therefore, benefit fewer students.
<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>Equipment (Note: Use standard dollar amounts and replacement thresholds from sections 10/11, or provide explanation in sections 10/11.)</td>
<td>Palm Tungsten T</td>
<td>37</td>
<td>$359.10</td>
<td>$13,286.70</td>
</tr>
<tr>
<td></td>
<td>Aluminum Cases for Palms</td>
<td>37</td>
<td>$39.95</td>
<td>$1,478.15</td>
</tr>
<tr>
<td>Software</td>
<td>Nutritional Assessment Software (Dietary Software, Inc.)</td>
<td></td>
<td>$99.00</td>
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</tr>
<tr>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$15,124.74</strong></td>
</tr>
</tbody>
</table>

*Only 50% funded*: State specifically whether or not the proposed project would remain viable. If the project would remain viable, itemize and total the following categories of expense at 50% funding in the Microsoft Excel spreadsheet below.

*With only 50% funding, the project would not remain viable.*

10. Standard Dollar Amounts
    NA

11. Standard Replacement Thresholds
    NA

12. Prerequisite, Non-Technology Fee Funding
    NA

13. Matching Funds
    NA

14. Staffing and Other Support Availability
    NA

15. Space Availability and Impact on Facilities
    The assessment response from the CBSAC and the Planning and Facilities review (#13135-03) follows: “This project has no impact on facilities.”

The assessment response from the UCCS (#03-013) follows:  
While no connection to the University network is indicated, these devices do have the capability to access the network over wireless. If the requestor in future determines that wireless access is necessary, they will be responsible for purchasing both wireless LAN cards and VPN clients compatible with the Georgia State University Student Wireless System.

17. Post-Project Assessment Criteria

Faculty will develop PDA related assignments for classroom courses and dietetic internship clinical experiences offered during the 2003-2004 academic year. Students will be asked to assess the usefulness of these assignments for learning and application to clinical situations at the end of each course and experience.

Faculty will apply to present a “Best Practices” session related to the use of PDAs in dietetic education at the Dietetic Educators Meeting held in the Spring of 2004.

18. Review and Acknowledgements

This project has been reviewed and approved by:

   Dr. Susan Kelley, Dean, CHHS
   Dr. Carolyn C. Kee, Associate Dean for Research, CHHS
   Mr. Anthony Roberts, College Administrative Officer
   Dr. Jana Kicklighter, Chair, Department of Nutrition

This is priority 2 of 5 proposals submitted by the College.