

UNC TLT Collaborative, FY 2000–2001 Report on Spring 2001 Campus Funding Allocation (\$8500)

1. **Campus:** North Carolina A & T State University

2. **Project category or categories:**

Wireless/Handheld Computing

3. **Project overview:**

As we rapidly enter the new millennium, technology usages in higher education has become a necessary classroom tool to foster the teaching and learning process. With the new and diverse student enrolling in higher education classes such as the adult learner, the handicapped student and those in mid-career changes, there is an enormous need to accommodate the different learning styles and cultural background.

To address this need, The Academic for Teaching and Learning (ATL) is exploring usage of hand-help computers by faculty and students as a potential tool to strengthen the delivery mode of instruction and enhance classroom performance. It is anticipated that the hand-held computers will ultimately impact student's ability to readily access data ubiquitously.

Students in an upper level classes will use the hand-held devices as an organizer in collecting and manipulating data in meeting classroom expectations; data entry of notes, scheduling assignments, researching web resources, and exploring special collaborative initiatives. The university facilitator (teacher) will provide training sessions for the students and monitor their weekly progress as they complete classroom assignments. A survey and checklist will be developed by the principle investigator in assessing the effective use of the handheld devices related to student performance and the delivery mode. A scholarly report will be submitted in a collaborative format to TLT Collaborative Office links.

4. **Budget summary:**

IPAQ's for 10 students with wireless cards & keyboards @\$800 each	\$8000
1 access point for the classroom	\$500
TOTAL	\$8500

5. **Participants:**

Eight (8) Food Science students in the Department of Human Environment & Family Sciences from the School of Agriculture and Environmental & Allied Sciences will use the handheld devices in the project. Dr. Thurman Guy, (principal investigator), Interim Department Chairperson, HEFS/ Interim

Associate Director, Academy for Teaching and Learning and Dr. Mohammed Ahmedna, Assistant Professor in Food Science will collaborate on this project. The course selected for this project is **HEFS 736 Research Methods in Food & Nutrition** during the fall 2001 academic year.

6. Results of collaborative work:

The dissemination of results will take place through ATL website, presentation at the annual TLT Collaborative conference, and in local think-share discussion groups on campus. In addition, collaborative endeavors will take place with partners in the TLT Collaborative.

7. Conclusions and recommendations:

Currently there are no conclusions and recommendations for the project at this time.

8. Resources:

A summary report of the project including names of participants, lessons learned, conclusions and recommendations, budget summary, results of collaborative work, and links to all shareable online resources will be submitted to the TLT Collaborative office links

9. Project contact:

Thurman Guy, Interim Director
Center for Distance Learning
(336) 282-8901
thurmang@ncat.edu