UNC TLT Collaborative
Spring 2001 Campus Funding Allocations

1. Campus: East Carolina University

2. Campus office that is to receive the funding allocation: ECU School of Art

3. Accounting information: ECU School of Art account #211000.

4. Project Category or Categories:

TLT Wireless/handheld computing

Other Campuses receiving allocations in this category:
ECU, NCAT, NCCU, NCSU, UNC-C, UNC-W, WCU, WSSU

5. Project Description:

Building upon the Handsprings to Learning program already underway, the School of Art is proposing using the handheld computer coupled with wireless Ethernet connectivity to offer a color and design general education art course. Handheld computers are tools that are found frequently in the business place and now, on university campuses. These devices initially developed as organizers, employed software such as address books, calendars, memo pads, and to-do lists. The value of handheld computers is changing as many third-party software developers are creating a variety of software programs and support them.

The current Handsprings to Learning (http://www.ecu.edu/handheld) program at East Carolina University enhances the teaching and learning processes by deploying handheld computers and wireless connectivity technology for faculty and student use alike. The core of the program to date is the Palm Operating System – specifically the Handspring Visor. Handheld technology has advanced to the degree that the handheld computer now works in conventional and wireless environments and is a cost-effective means of instruction and communication.

The Art Education Faculty within the ECU School of Art proposes to offer one section of Art 1001, Color and Design for General Education students as a handheld computer class (Handspring Prism). The enrollment will be 100 students. The course will be offered in spring, 2002 in the Jenkins Auditorium and in breakout studios. The course will have one to two large group sessions and one to two small group sessions each week. The course content will rely on textual information as well as media rich content that will permit the use of graphic design, image and video tools. Dr. Nancy House will be the Instructor of Record. The offering will be team-taught and will require the assistance of four graduate students to handle the breakout sessions. In the breakout sessions, traditional design problems will be introduced along with assignments designed just for

the Handspring Prism. The large sessions will rely heavily on the Handspring Prism handheld computer. The outcomes of the class will be assessed by the Art Education Faculty and compared with standard Color and Design classes.

Project Budget: East Carolina University

Item	Number	Unit Cost	Total Cost	
Graduate Students	4	$3,750.00	$15,000	
Handspring Prism	100	$450.00	$45,000	Supported by Handspring, Inc. and the UNC TLT Board
Xircom Wireless Ethernet Module	100	$149.00	$14,900	Supported by Xircom, Inc.

Estimate Project Development Total: $74,900

6. Collaboration with other UNC Campuses:

The web pages on the UNC TLT Collaborative Portal will provide resources for faculty system-wide and will include and request links to projects throughout the system. In addition, the pedagogical pages will encourage collaborative work to further investigate and report on the use of handhelds in university teaching environments. By providing links to faculty using handhelds, opportunity to share and discuss ideas for using handhelds, and methodologies for evaluating the success of the use of handhelds, the pages will facilitate opportunities for system-wide collaboration.

7. Deliverables in addition to those specified for all 2001 UNC TLT funding allocations:

As specified.