The University of North Carolina at Pembroke   March 14, 2000
Office of Sponsored Research and Programs

TEACHING & LEARNING WITH TECHNOLOGY (TLT) COLLABORATIVE PROPOSAL

Background

The UNC System participates in the Community of Science (COS), a Web-based publisher of services that support and advance scientific and scholarly research. The Community of Science supports the research process by providing databases as COS Expertise and COS Funding Opportunities, alerting tools that interact with these databases to help the client institution to disseminate the information they contain; and other Web-based information sources, such as U.S. Patents, the Federal Register, the Commerce Business Daily, and Funded Research that are linked to them. Members also can subscribe to the Web-based bibliographic databases offered in a variety of disciplines, including biomedical science, engineering, and the geosciences. COS is building Virtual Communities that permits scholarly and scientific groups to author and distribute content collaboratively in a secure web environment. Thus the peer review publication process is aided by direct, internet based linkages. The establishment of Schools and Colleges on October 1, 1999, requires greater participation of faculty members in sponsored research and programs.

UNCP is an emerging, teaching focused institution experiencing a forecasted doubling of enrollment in the coming decade. The impact of technology on teaching and learning requires faculty and staff to adopt and master electronic technology in daily classroom and related instructional activities. A crucial aspect of 21st Century university teaching is reflected in the growing emphasis on research, both for teachers as scholars and as an integral aspect of the learning process for students. Community of Science provides faculty and staff with the means to use an interactive database to effectively master the research commitment. In that sense, it is representative of the smaller institutions which are part of the University.

Seventy of the UNCP faculty and staff also serve as graduate faculty in an expanding graduate (eight) program offering. The requirements for research scholarship and graduate research learning opportunities are a growing expectation which depends on sponsored research funding, i.e. increased faculty pursuit of funding. The challenge is to effectively train faculty to master the Community of Science as an interactive linkage and tool. This proposal seeks funding to enable the institution to make an informed, experientially based commitment to technology mastery via the COS. *UNCP seeks modest funding to provide a three stage experiential program to bring a smaller, tradition oriented institution into the 21st Century application of TLT.*

Methodology

The Computer Center will commit a technology staff person, as part of team which includes a Sponsored Programs representative, to attend a Community of Science Workshop scheduled in Baltimore for April 27 and 28, 2000. This Stage One activity will orient the Computer Center to the specifics of the COS databases and their support at the institutional level. This stage one team will then incorporate COS in to the annual fall New faculty/staff campus computer systems training sessions. This will insure that 20 to 25 new faculty/staff, each year will receive "hands-on" training and also register in the COS data base. It will also enhance the direct use of COS, with an anticipated increase in funded research and training activities as the result of this implementation.

Stage Two will focus on a one day workshop for all department chairs, support and instructional leadership personnel. This initiative will provide the needed experiential opportunity to learn, as a leadership group, about the potential of COS to enable UNCP to realize its potential as an effective user of technology to enhance research database resources and effectively pursue the funding and network contacts to accomplish that task. The Stage Two activity will involve a COS representative to present this leadership group activity. Interested faculty may also be involved in this workshop. The result will be a knowledgeable leadership commitment to UNCP's full and effective use of COS as reflected in outputs in proposal generation and research applications. Institutional linkages regionally, nationally, and internationally should also result. Workshop will be conducted one day in the next to last week in May, 2000.

Stage Three will actively involve the Teaching and Learning Center, the Computer Center and the Office of Sponsored programs in incorporating TLT as a part of the initial faculty in-service program at the start of the academic year as well as follow-up activities, both via web site and periodic activities. Each faculty and staff member will have a fully linked COS. Expertise page and will receive alerts regarding their keyword identified interests. Equally important, the potential for more extensive research inquiries and contacts will be enhanced.

Budget

Stage One:
    Air Travel @ $475.00 (round trip) each x 2 persons = $950.00
    Hotel @ $100.00 x 2 days = $400.00
    Per diem $41.00 x 2 persons x 2 days = $164.00
    Local Travel 80 miles (round trip) @ .325 x 2 = $52.00
    Airport Parking $4.00 daily x 2 days x 2 persons = $16.00
    Incidentals = $25.00
                        Total: $1,607.00

Stage Two:
    Air Travel @ $475.00 (round trip)
    Hotel = $60.00 x 2 days = $120.00
    Per diem = $31.00 x 2 days = $62.00
    Auto Rental for 2 days + Fuel = $100.00
    Incidentals = $12.00
    Honorarium = $800.00
                        Total: $1,569.00

Stage Three will be conducted using UNCP resources and staff.

                Grand Total: $3,176.00