Division of Academic Affairs
Technology Fee – Project Proposal
2014

Project Proposal Type

Instructional Technology Enhancement Project (ITEP)

Focused projects proposed by an individual or small team with the intention of exploring new applications of instructional technology. ITEPs will typically be led by a faculty "principal investigator." ITEPs are time-limited projects (up to two years in length) and allocations of Technology Fee funds to these projects are non-recurring.

Project Title

Audiovisual Enhancement of Graduate Training in Counseling Psychology-Revised *(italics indicates attempts at further clarification based on ITS preliminary review)*

Total Amount of Funding Requested

$4,350

Primary Project Coordinators

Robert J. Rotunda, Ph.D., and Ashley Stripling, Ph.D.

1. **Project description.**

   This project includes the purchase and implementation of low-cost, customary, audiovisual equipment for use in graduate courses in Counseling Psychology. Live and taped video of students practicing interviewing and clinical skills with student volunteers and other students in class will enhance self and instructor-based feedback, thus enhancing skill development.

2. **Description of project alignment with UWF Strategic Plan.**

   This project clearly aligns with UWF Priority 1.1.: *Foster student learning and development to include the knowledge, skills, and dispositions that optimize students' prospects for personal and professional success.* The audiovisual capability will assist us in implementing specific curricular/training enhancements that will foster student learning and development.

3. **Description of benefits provided:**

   a) Ways in which student access to technology will be enhanced.

   The primary way student access to technology will be improved is that for the first time instructors and students will be able to utilize real-time and taped video feedback information in courses that directly require skill development (e.g., Techniques of Counseling; Practicum and Internship supervision; Assessment; Ethics; Theories of Individual and Group Counseling). Students will have monitored access to the equipment by virtue of their enrollment in these particular courses.

   b) How the student experience will be enhanced.

   Video-based feedback of performance is a powerful way to more rapidly and effectively help students become better interviewers and improve interpersonal skills. Currently we use live feedback and feedback based only on audio recordings (often using students' own smartphones).

   c) How assessment will be conducted.

   Drs. Rotunda and Stripling will track instructor and student use of the new equipment, and administer anonymous satisfaction surveys following use of equipment in each course that utilizes it, at the end of each semester. Individual course results will be aggregated over time, and broken down by instructor and student respondents.

   d) Which and how many students will be impacted.

   Graduate students in counseling psychology will be primary users, but other students may benefit depending on need and requirements of other courses/instructors. There are approximately 35 graduate students currently in the program, and 12-15 new students are admitted each year.

   e) How students with special needs or disabilities would be helped.

   These students would benefit in ways similar to other students. Assistance will be provided in use of the equipment whenever necessary.

f) How training of students and faculty in the use of technology would be enhanced.

This technology would be an additional, novel instructional tool for most students and faculty. Review of taped material may be edited to enhance and streamline performance feedback and supervision. *All video materials would be confidential per ethics of our profession, and volunteer interviewees or research participants would sign consent forms prior to participation in training exercises or research projects. These materials are not for public or internet consumption, and would be destroyed after their usefulness has been exhausted. Any video materials stored for research, not clinical training, purposes would be kept on password-protected computers in a locked office or lab of faculty investigator.*

4. **How will success be measured? Provide metrics.**

Success of the project will be measured using the following objectives and metrics:
   - Installation and use of audiovisual apparatus' within 3 months of receipt of funding
   - Utilization of rooms equipped with audiovisual enhancements by instructors and students of at least 3 graduate courses within 1 year of installation
   - Favorable instructor and student satisfaction reports, and estimations of the degree to which specific student learning outcomes are improved, after using the equipment

5. **Description of resources for the project and projected ongoing resource needs (total cost of ownership for the life of the project) including:**
   a. Any hardware requirements (which should comply with standards established by the ITPAC (Information Technology Planning and Advisory Committee).

   1. Three sets of the following will be needed @ $650 per set:

   Swann's DVR4-3000 TruBlue 4-Channel D1 DVR and 4 Cameras produce clear, full-screen high-resolution video in real time, a pre-installed 500GB HDD, four 600 TVL cameras and live viewing on the Internet and smartphones. Record continuously from four channels and easily locate a video and transfer it to external storage.

   - Includes 4 600 TVL PRO-530 cameras and powerful infrared night vision up to 65-ft.
   - Easily locate videos and transfer them to external storage via USB, eSATA or network
   - Live viewing on 3G/4G-enabled smartphones & tablets including iPhone, iPad, Android devices and more
   - Manual/Motion/Schedule recording modes

   2. Portable, external storage accessories will be needed. USB and other formats-Cost $50-100.

   3. Desktop PC dedicated to video playback and editing; should have excellent memory and processing capacities; this computer would be permanently assigned to a locked office which would require instructor or department staff member permission to use. Approx. cost $1,500 - $ 2,000 *pending ITS/CAS tech support personnel input to insure compliance with university standards.*

   b. Any software requirements (which should comply with standards established by the ITPAC (Information Technology Planning and Advisory Committee).

   Dragon NaturallySpeaking 12 Professional enterprise speech recognition software - $300.00. This will allow users to create documents and control their PC by voice, which will significantly speed transcription time. Written transcriptions of interactions are often used as a process learning tool in clinical programs.

   Video editing software from existing university-supported software can be used, so recurring software licensing fees will not be needed.

c. Any personnel costs – only OPS and other time-limited appointments, non-recurring.

None anticipated.

Summary Table of Costs

ITEM	AMOUNT REQUESTED
DVR4-3000 TruBlue 4-Channel D1 DVR and 4 (x 3)	1,950.00
External storage accessories	100.00
Desktop computer	2,000.00
Speech recognition software	300.00
MAX TOTAL COST:	**$4, 350**

6. **Provide the proposed timeline for the project with major milestones and project end dates.**

   Pending timely receipt of funds if granted, this equipment can be utilized by May of 2014 (e.g., summer semester course in Practicum) because of ease of use and minimal training requirements. Though the equipment will be continually used each semester, assessment of metrics would begin in Summer 2014 and continue through Spring 2016. Usage logs will be kept by departmental support staff in conjunction with the lead investigators.

7. **Include a plan for sustainability of the project beyond the initial project period if applicable.**

   Further equipment or software needs can be met via departmental or college technology recurring budgets (according to consultation *with Don Thompson of CAS Tech Services*)

8. **Provide any resource matching which might be provided by organizations with appropriate commitment authority documentation.**

   N/A

9. **Indicate which individual or group will implement the project (to help determine any additional costs and resource restraints).**

   Counseling faculty (Rotunda, Stripling, etc) in conjunction with technology support (Rick Hicks; Don *Thompson*).

10. **Indicate a lead person ("Principal Investigator") for the project for all communications and overall responsibility for reporting and fund utilization.**

    Dr. Rotunda (x2294)

11. **Project proposals should be succinct and submitted to the Technology Fee Committee by the deadline with a notice of submission to the chair and the dean or appropriately designated leadership in the unit (Center Director, etc.).**