

**NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
PROPOSALS SUBMITTED
FISCAL YEAR 2006 (APRIL 2006)**

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Associate Provost for Economic Initiatives	Jan Hillard	NetplanKY Pilot Information System	Kentucky Office of Homeland Security	04/27/2006	9/1/06 - 8/31/07	\$472,562

"NetplanKY" is an Internet-based pilot information system that will assist local jurisdiction and state-wide emergency management personnel and law enforcement to more efficiently create, update, and query their Emergency Operations Plans (EOP), while enhancing operational use of the plans. Northern Kentucky University has formed a partnership with emergency management/law enforcement leaders in Boone, Campbell, and Kenton counties and the City of Alexandria to design and deliver this automated EOP system.

Biological Sciences	Hazel Barton	NASA Ames Internship for Ariel Bennett: Does Microbiological metabolic efficiency increase with community diversity in extremely starved cave environments?	Kentucky Space Grant Consortium	04/27/2006	5/1/06 - 8/31/06	\$5,000
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The aim of this project is to understand the microbial interactions and processes that allow community subsistence in extremely starved cave environments using silicification reactions. To address this question, Ariel Bennett will travel to NASA Ames Research Center and spend the summer working with collaborators in the field.

Computer Science	Charles Frank	Modules to Teach Software Security Testing	Special Interest Group on Computer Science Education	04/11/2006	5/15/06 - 8/14/06	\$3,900
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This project will develop modules that can be used to teach computer science students to do security code reviews, to use static security analysis tools, to write security test plans, and to perform security testing. The project will contribute to a sample web development assignment to teach software security.

Department of Public Safety	Jeff Martin	Northern Kentucky University Police Department Interoperable Communication System	Kentucky Office of Homeland Security	04/27/2006	8/1/06 - 7/31/07	\$69,798
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The Northern Kentucky University Police Department will enhance its current regional first responder and campus protection services by installing six mobile data terminals (MDT) and related hardware. This project will enable data interoperability among University police officers and all law enforcement and public safety agencies in northern KY (Boone, Campbell, Grant, and Kenton counties) and across Kentucky. This state-of-the-art technology also will support the police officers in their day-to-day law enforcement operations across the four Northern Kentucky University campuses.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Educational Specialties	Mary Rozier	MERR Scholarship Program	Kentucky Department of Education	04/11/2006	7/1/06 - 6/30/08	\$235,000

This program funds eligible minority students committed to a teacher education program. Awarded students are required to have a GPA of (at least) 2.5, be enrolled full-time (unless fewer than 18 hours are needed for graduation), and return equal service to the Commonwealth for the semester/years receiving the loan/scholarship after graduation.

Mathematics	Kirsten Fleming	Kentucky Center for Mathematics Coach Training	Kentucky Department of Education	04/06/2006	3/1/06 - 6/30/06	\$567,000
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As part of the Kentucky Center for Mathematics Achievement, up to eighty P-8 teachers will be trained as Math Coaches.

Nursing & Health Professions	Margaret Anderson	Accelerated Post-Baccalaureate BSN Program	St. Elizabeth's Hospital Medical Center	04/17/2006	8/1/05 - 7/31/08	\$150,000
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The program is intended to increase the supply of nurses in northern Kentucky and provide expert service and advice to the Medical Center as they move toward magnet hospital status.

Physics and Geology	Scott Nutter	CREST Veto Counters Year 3 - Additional Funds	National Aeronautics and Space Administration (NASA) The Pennsylvania State University	04/26/2006	2/1/06 - 1/31/07	\$4,302
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The CREST collaboration will construct an instrument to search for high energy electrons and positrons in the cosmic rays by detecting the x-ray synchrotron design, fabrication, characterization, and integration of a scintillator veto counter, which will discriminate against particles directly traversing the detector and masquerading as an x-ray signal.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Scripps Howard Center for Civic Engagement	Miles Wilson	Scripps Howard Foundation Internship Program	Scripps Howard Foundation	04/10/2006	3/27/06 - 12/26/06	\$4,200

The Scripps Howard Foundation Internship Project provides funds for a student to gain valuable work and education experience at the Scripps Howard Center for Civic Engagement.

Social Work & Human Services	Holly Riffe	CAMP at NKU	U.S. Department of Education College Assistance Migrant Program	04/11/2006	7/1/06 - 6/30/11	\$1,282,826
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The overall program goal of College Assistance Migrant Program (CAMP) at NKU is to assist students with migrant and seasonal farm work backgrounds in successfully completing their first year of college and graduating from postsecondary education.

Total Number of Proposals: 10

Total Funds Requested: \$2,794,588