

**NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
PROPOSALS SUBMITTED
FISCAL YEAR 2005 (DECEMBER 2004)**

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Biological Sciences	Thomas Rambo	Introduction to Tropical Field Studies: Preparing and Equipping Undergraduates to Conduct Research in Tropical Ecosystems at the Punta Bio Claro CURTS Center for Undergraduate Research and Tropical Studies in Costa Rica	National Science Foundation	12/02/2004	9/1/05 - 8/31/06	\$199,989

This project will provide equipment for the Center for Undergraduate Research and Tropical Studies in Costa Rica. This will involve microscopes, data gathering and analysis equipment, and collection equipment. This will provide for a foundation course, Introduction to Tropical Field Studies and subsequent advanced courses for undergraduates and K-12 teachers.

Biological Sciences	Jerry Warner	Research Start Up Funds for an Animal Physiologist/Neurobiologist	Kentucky EPSCoR	12/14/2004	8/1/05 - 7/31/07	\$50,000
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This proposal seeks research start up funds to hire an animal physiologist/neurobiologist in the Department of Biological Sciences.

Chemistry	Keith Walters	Tethered Phenanthroline Ligands for Transition Metal Incorporation in pi-Conjugated Supramolecular Systems	American Chemical Society	12/21/2004	9/1/05 - 8/31/07	\$35,000
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This research project will seek to design a new type of organometallic oligomer system where transition metal chromophores are encapsulated within the conjugated organic backbone of the system. This research represents an evolutionary step forward in the design of these systems and could lead to a plethora of new research opportunities in the field.

Department of Public Safety	Harold Todd	Citizen's Police Academy	Tri-State Regional Community Policing Institute	12/16/2004	10/14/04 - 11/13/04	\$500
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Northern Kentucky University Department of Public Safety will establish and present a Citizen's Police Academy in behalf of the Tri-State Regional Community Policing Institute.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Educational Specialties	Stephen Walker	Kentucky Traineeship in Special Education	U.S. Dept of Education KY Department of Education	12/16/2004	7/1/04 - 12/31/05	\$10,000

This increase in funds to the Kentucky Traineeship in Special Education Program will assist teachers of children with disabilities ages 0-3 with tuition assistance.

Elementary, Middle, and Secondary Programs	Yvonne Meichtry	Biodiversity in the Natural and Cultural World: A Collaboration of Nine Universities	U.S. Dept of Education KY Improving Educator Quality State Grant Program	12/08/2004	2/1/05 - 6/30/06	\$60,000
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An NKU graduate course called "Aquatic Ecology for Teachers" will be offered at the Thomas More College Biology Field Station during the summer session of 2005. This course involves a collaboration of Northern Kentucky University, Thomas More College, school districts and a variety of community and state agencies.

Elementary, Middle, and Secondary Programs	Lynne Smith	Northern Kentucky Summer Writing Project	Kentucky Department of Education	12/16/2004	7/1/04 - 6/30/05	\$37,800
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Northern Kentucky University will conduct a writing project for up to 20 public school teachers at no cost to participants. NKU will deliver presentations on current research and conduct follow-up meetings during the school year. The University will give up to six hours of college credit to participants.

History & Geography	William Hansen	When the dredging stops; an investigation of bathymetric and depositional change in the Lower Passaic River	Hudson River Foundation	12/10/2004	4/1/05 - 3/31/06	\$33,995
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This study will examine bathymetric changes in the lower 6 mile stretch of the Passaic River since the cessation of dredging in 1949 using historical bathymetry surveys from the US Army Corps of Engineers. This situation offers a unique opportunity to investigate the change in sedimentation and bathymetry from a channelized regime to a "normal" estuarine pattern.

Nursing & Health Professions	Louise Niemer	A Scholarly Collaboration to Expand Nursing Diversity (ASCEND) Program	U.S. Dept. of Health and Human Services	12/02/2004	7/1/05 - 6/30/08	\$791,250
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The purpose of this project is to establish a program for minority and economically and/or educationally disadvantaged students to qualify for entry and succeed in the Baccalaureate of Science in Nursing (BSN) Program at Northern Kentucky University. Strategies regarding pre-entry preparation, retention and stipend awards will be utilized. The ultimate goal of this project is to graduate greater numbers of BSN prepared minority nurses to enhance the healthcare of minority and diverse populations of northern Kentucky and the greater Cincinnati regions.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Physics and Geology	Matthew Zacate	Norse Physics Tour de Force	World Year of Physics 2005	12/08/2004	1/1/05 - 12/31/05	\$10,000

The funds will be used to purchase equipment and supplies for a Physics demonstration show to be performed for students in grades 4 though 7 on the NKU Highland Heights campus and off-campus. Goals of this project include educating students in selected topics from Physics using exciting demonstrations and well-polished audio-visual materials and helping maintain the close ties established between NKU and the northern Kentucky community.

Technology	Ed Workman	Northern Kentucky University 2004-05 Technical Training and Integration Project	Kentucky Cabinet for Workforce Development	12/15/2004	12/1/04 - 6/30/05	\$32,105
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This project proposes to seek agreements between Organizational Systems Technology, Construction Management, Aviation, Nursing, Communication, and Mechanical Engineering programs at Northern Kentucky University and Kentucky Tech. Technical training in digital media, integration of academic and career and technical education, and technical reading and writing are also included.

WNKU/Radio Station	Ben Singleton	CPB Radio Station Grant	Corporation for Public Broadcasting	12/16/2004	10/1/04 - 9/30/06	\$95,644
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Operating funds provided by the Corporation for Public Broadcasting for WNKU programming.

Total Number of Proposals: 12

Total Funds Requested: \$1,356,283