

NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
GRANTS AWARDED FUNDING
FISCAL YEAR 2007 (MAY 2007)

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Associate Prov for Outreach & Dean of Grad Studies	Carole Beere	Regional Stewardship Agreement	Council on Postsecondary Education	5/4/07	7/1/06 - 6/30/07	\$ 200,000

The regional stewardship funding will enable NKU to provide more faculty expertise and support for the goals of Vision 2015, specifically in the areas of early childhood education, informatics, and health-related areas.

Biological Sciences	Hazel Barton	The metabolic and mutualistic activities of microbial subsistence in oligotrophic cave environments	Kentucky NSF EPSCoR Research Enhancement Grant	5/23/07	5/1/07 - 11/30/07	\$ 25,000
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This project will use a combination of molecular techniques with cultivation and techniques in biogeochemistry to understand the microbial interactions and processes that allow community subsistence in extremely starved cave environments.

Biological Sciences	Mary Kathryn Whitson	Bringing the John W. Theiret Herbarium Collections into the Digital Age	Kentucky NSF EPSCoR Research Enhancement Grant	5/8/07	5/21/07 - 9/20/07	\$ 21,605
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These funds will allow us to barcode, database, and photograph the NKU Herbarium Collections, which consists of approximately 40,000 pressed dried plant specimens. Our goal will be to have the collection data available in an electronic, searchable format.

Chemistry	Heather Bullen	Impact of Metal Oxide/Aqueous Interface on Biofilm Formation: Probing the Role of Sederphores	Kentucky NSF EPSCoR Research Scholars Program	5/8/07	5/1/07 - 4/30/08	\$ 4,865
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This grant will support a student in undergraduate research evaluating biofilm formation on metal oxides.

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Chemistry	Stefan Paula	Synthesis, experimental evaluation and computational analysis of 2,5-dialkyl hydroquinones as novel enzyme inhibitors	Kentucky Biomedical Research Infrastructure Network	5/8/07	5/1/07 - 4/30/08	\$ 224,014

This research will explore 2,5-dialkyl hydroquinones as novel enzyme inhibitors. The compounds will be prepared by organic synthesis, tested in activity and binding assays, and analyzed by computational techniques.

Computer Science	Gary Newell	BPC-DP BTU - "Build It, Trust It, Use It" Project	National Science Foundation	5/17/07	7/1/07 - 6/30/09	\$ 12,000
			Research Experiences for Undergraduates			

These supplemental funds will support two students to carry out research related to the gathering and entry of data, analysis of data, and dissemination of significant results via a project website.

Construction Management & Org. Leadership	Ed Workman	Northern Kentucky University Tech Prep	U.S. Dept of Education	5/24/07	7/1/07 - 6/30/08	\$ 10,000
			KY Department of Workforce Investment			

This program will serve local and state institutions in aligning secondary and post secondary programs.

Mathematics	Kirsten Fleming	Mathematics Coaching Program	Kentucky Department of Education	5/24/07	6/1/07 - 6/30/08	\$ 1,831,600
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This grant will provide training for K-12 teachers to become math coaches.

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Office of Economic Initiatives	Edward Jackson Jr.	FedEx - Risk Management Project	FedEx	5/25/07	4/30/07 - 4/29/08	\$ 35,000

The Risk Management Institute will perform customized risk assessment seminars for organizations and provide client-specific risk mitigation strategies, a pool of strategy implementation experts, and long-term contracted risk management.

Office of Economic Initiatives	T. Keith Schneider	Additional Williamstown Innovation Center Funds	Kentucky Science and Technology Corporation	5/25/07	7/1/06 - 6/30/07	\$ 2,475
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These funds will provide for additional operating funds for the Williamstown Innovation Center.

Physics and Geology	Thomas Brackman	ShakeMap	U.S. Geological Survey	5/3/07	2/1/07 - 1/31/08	\$ 4,500
			University of Memphis CERI			

Northern Kentucky University maintains the ShakeMap software in operation at University of Memphis and assures its proper operation with the most recent version, configuration, and customizations.

Physics and Geology	Charles Hawkins	SAT/Physics Lab Grant - 4	SAT, Inc.	5/4/07	1/1/07 - 12/31/07	\$ 3,000
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This is the continuation of a grant that offers NKU Physics students the opportunity to gain real life lab experiences working with Schneider Advanced Technologies, Inc.

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Psychology	Mark Bardgett	Improving Memory after Hippocampal Cell Loss	National Institutes of Health Academic Research Enhancement Award	5/2/07	5/1/07 - 4/30/10	\$ 196,500

This project will test the ability of specific classes of drugs to improve memory in rats with hippocampal damage.

Scripps Howard Ctr for Civic Engag & Nonprofit Dev	Molly Tami	Scripps Howard Foundation Internship Program	Scripps Howard Foundation	5/17/07	5/7/07 - 12/6/07	\$ 2,000
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The Scripps Howard Foundation Internship Project provides funds for a student to gain valuable work and educational experience at the Scripps Howard Center for Civic Engagement and Non Profit Development.

Scripps Howard Ctr for Civic Engag & Nonprofit Dev	Gayle Hilleke	Kentucky Campus Compact - FY06/07	Kentucky Council on Postsecondary Education	5/31/07	5/15/07 - 7/14/07	\$ 25,000
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Northern Kentucky University has agreed to serve as the host institution for Kentucky Campus Compact. The Kentucky Campus Compact will provide a statewide network among all postsecondary institutions and appropriate state agencies to increase opportunities for service-learning and civic engagement on Kentucky's campuses and in their communities.

Teacher Education and School Leadership	Stephen Walker	Kentucky Traineeship in Special Education	Kentucky Department of Education	5/30/07	7/1/07 - 6/30/08	\$ 1,000,000
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This is a continuation of the traineeship program that has been operated from NKU for the past six years. It provides tuition support for teachers wishing to become certified in special education or early childhood education at the seven public universities and seven private colleges and universities in Kentucky.

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Teacher Education and School Leadership	Mary Rozier	Future Educators of America Summer Camp	Kentucky Department of Education	5/1/07	6/11/07 - 11/10/07	\$ 25,000

This project will provide high school seniors with the opportunity to explore teaching as a career option. The one week camp will help participants gain a realistic understanding of the nature of education and the role of a teacher.

Teacher Education and School Leadership	Lynne Smith	Kentucky Reading Project	University of Kentucky	5/2/07	4/1/07 - 7/31/08	\$ 62,500
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This grant will fund the ninth year of the Kentucky Reading Project, which consists of a summer workshop and follow-up sessions during the year.

Teacher Education and School Leadership	Lynne Smith	Northern Kentucky Writing Project	National Writing Project	5/17/07	6/1/07 - 5/31/08	\$ 45,000
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These funds will be used in conjunction with the state-awarded funds to run the Northern Kentucky Writing Project. The federal funds will be used primarily for outreach activities.

Total Number of Awards: 19
Total Funds Awarded: \$3,730,059