Congratulations to the Recipients of the 2009-2010 Faculty On-Campus Grant Awards

Principal Investigator (PI): Dr. Alaeddin Abu-Abed
Title: Enhanced Integrated Surface Plasmon Optical Sensors Using Liquid Crystal
Regular Grant
College of Mathematics and Science

PI: Dr. Troy Baird
Title: Probing the Consequences of Mass Mortality, Bright Male Hatchling Coloration and Hormone-Parasite/Reproductive Interactions in Collared Lizards
Regular Grant
College of Mathematics and Science

PI: Dr. David Bass
Title: Invertebrate Communities Inhabiting Temporary Freshwater Pools on a Small Oceanic Island- Part 2
Regular Grant
College of Mathematics and Science

PI: Dr. Jim Bidlack
Title: Harnessing Solar Energy Using Photosynthetic and Organic Pigments
Regular Grant
College of Mathematics and Science

PI: Dr. Christopher Butler
Title: Examining Migratory Connectivity in the Yellow Rail, Coturnicops noveboracensis
Regular Grant
College of Mathematics and Science

PI: Dr. Joselina Cheng
Co-PIs: Dr. Maryellen Epplin and Dr. Zane Swanson
Title: The Effects of Virtual Tutor Learning System on Students’ Learning Outcomes in Relation to Business Disciplines.
Pedagogical Grant
College of Business Administration

PI: Dr. Nathan Cottle
Co-PI: Dr. LaDonna Atkins
Title: Does Cooperative Testing Impact Learning?
Mini-Grant
College of Education and Professional Studies

PI: Dr. Michelle Gray
Title: The Effects of a High-Impact Power Program (HIIP) on Bone Density and Muscular Power in Older Women
Regular Grant
College of Education and Professional Studies

PI: Dr. Malinda Green
Co-PIs: Dr. Jennifer Endicott and Dr. Susan Scott
Title: Practitioner’s Advice on Fundamental Pedagogical Competencies for Beginning Teachers: A Delphi Policy Study
Regular Grant
College of Education and Professional Studies

PI: Dr. Kevin Hayes
Title: The Books in Washington’s Life
Mini-Grant
College of Liberal Arts
PI: Dr. Michelle Haynie
Title: Genetic Variation in Striped Skunk (Mephitis mephitis) Populations in the South Central United States
Regular Grant
College of Mathematics and Science

PI: Dr. Michelle Hepner
Title: A Technology Platform for Business Intelligence Research
Regular Grant
College of Business Administration

PI: Dr. Regenia James
Title: The Effects of Educational and Field Experiences on Preservice Teachers’ Beliefs about Urban Education
Mini-Grant
College of Education and Professional Studies

PI: Dr. Yuhao Jiang
Title: X-Ray Fluoroscopy System Optimization using a Human Perception Model
Regular Grant
College of Mathematics and Science

PI: Dr. Morshed Khandaker
Co-PIs: Dr. Yuhao Jiang and Dr. Gang Qian
Title: The Fracture Toughness of Bone-Cement Interface Using Digital Image Correlation: Experimental and Numerical Model
Interdisciplinary Grant
College of Mathematics and Science

PI: Dr. Evan Lemley
Title: Flow in Large Scale Planar Micro-tube Networks
Regular Grant
College of Mathematics and Science

PI: Dr. Samuel Magrill
Title: Cello Music of Samuel Magrill, Volume II
Regular Grant
College of Arts, Media, and Design

PI: Dr. Lalit Manral
Title: Evolution of Industries Based on Systemic Technologies: How Demand Environment Influences Firm Investment Strategy
Regular Grant
College of Business Administration

PI: Dr. Alix Mazuet
Title: The Murmur of Books
Regular Grant
College of Liberal Arts

PI: Dr. Tracy Morris
Co-PI: Dr. Cynthia Murray
Title: Statistical Consulting Laboratory
Regular Grant
College of Mathematics and Science

PI: Dr. Mihai Nica
Title: A General Zipf’s Law with Application to Regional Growth
Regular Grant
College of Business Administration
PI: Dr. Melissa Powers  
Title: LIFT Program Evaluation  
Regular Grant  
College of Education and Professional Studies

PI: Dr. William Radke  
Co-PI: Dr. Hillar Klandorf  
Title: The Role of Xanthine Oxidase in Oxidative Stress in Poultry  
Regular Grant  
Academic Affairs

PI: Dr. Jessica Sheetz-Nguyen  
Co-PI: Dr. Randal Ice  
Title: Teaching and Scholarship: An Integrated Approach to Disciplines of History and Finance  
Interdisciplinary Grant  
College of Liberal Arts

PI: Dr. Paul Shelton  
Co-PI: Dr. M. Suzanne Clinton  
Title: Group Potency in Business School Learning Communities: Perceived Organizational Support, Group Size and Duration of Membership  
Pedagogical Grant  
College of Business Administration

PI: Dr. Rashi Shukla  
Co-PI: Dr. Elaine Bartgis  
Title: An Examination of the Methamphetamine Problem in Oklahoma  
Regular Grant  
College of Liberal Arts

PI: Dr. Brad Watkins  
Co-PI: Dr. Gloria Caddell  
Title: Landscape-Level Mapping of Eastern Redcedar Encroachment at the Selman Living Laboratory  
Regular Grant  
College of Liberal Arts

PI: Dr. Mickie Vanhoy  
Title: Cross-Modality Dynamics of Touch and Visual Search  
Regular Grant  
College of Education and Professional Studies

PI: Dr. Melville Vaughan  
Title: Effect of Telomerase Expression on the structure and Function of Dupuytren’s Disease Myofibroblasts  
Regular Grant  
College of Mathematics and Science

PI: Dr. Zhen Zhu  
Title: The Roles of Speculation and Fundamentals in Commodity Markets: The Case of U.S. Natural Gas Futures Market  
Regular Grant  
College of Business Administration