

New Mexico Highlands University Academic Year 2008-2009 Faculty Research Interests

Department	Discipline	Faculty Member	Research Interests	External Funding
<u>College of Humanities & Fine Arts</u>				
<i>English and Philosophy</i>				
		Brandon Kempner	20th century American literature; Southwestern literature; Jewish literature.	
	<i>Englsih</i>			
		Helen Aparicio Blythe	Late-eighteenth, nineteenth, and twentieth-century British literature including fiction, non-fiction prose, and poetry; literature of empire; the intersection of ethnography and narrative; genre studies: the novel & the romance; Enlightenment theories of history, barbarism, civilization, sympathy, and aesthetics; the relationships between class, labor, aesthetics, and political economy; modernism; colonial & postcolonial literatures and theory; world literatures in English.	
		Regina Briefs-Elgin	Basic writing; Eastern spirituality and its implications for composition pedagogy; Life Path writing in homeless shelters; basic writing pedagogy--India;"platform schools" at train stations "Flow" theory and its implications for composition pedagogy creative nonfiction; travel writing.	
		Daniel R. Martinez	Chicana/o discourses (literature, movies, TV, comedy, etc.); 20th century American poetry, writing pedagogy.	
		Holly Middleton	Cultural histories of literacy; theories of reading; composition theory and pedagogy.	

		Barbara Risch	Native American pictography; language and cognition; linguistics and writing; narrative.	
		Eddie Tafoya	Stand-up Comedy as Literature, American Humor, The New Testament as Political Literature American Literature.	
		Donna Woodford	Shakespeare in Cuba; Early Modern Women Writers; Orphans, and Foster Children in Renaissance Literature; Motherhood in Renaissance Literature; Harry Potter.	
	<i>Philosophy</i>			
		Alice L. Stauffer	Native American philosophy; comparative philosophy (esp. Oriental philosophy); philosophy of science and the history of ideas within the development of civilization.	
<i>History & Political Science</i>				
		Peter Linder	Social & economic history of 19th & 20th century Venezuela; 19th & 20th century New Mexico, popular culture and public celebrations.	
	<i>History</i>			
		Roy Lujan	Impact of the New Deal in New Mexico and the Southwest, and local history, particularly village history.	
		Kristie Ross	Women During the American Civil War; Social History of New Mexico During the Civil War.	
		Steven Williams	Medieval Intellectual and Cultural History.	
	<i>Political Science</i>			
		Thomas Corbin	Comparative Law; Creating Pedagogical Tools for teaching law, and lastly creating a curriculum better suited for future law students both here and abroad.	
<i>Languages & Culture</i>				
	<i>Spanish</i>			
		Lourdes Bates	Latin American and US-Latino Literature; Focus on Poetry and visual arts.	

		Veronica Saunero-Ward	Feminism and Psychoanalytical Analysis; Modernism and Feminism; Bolivian Contemporary Women Writers.	
<i>Visual & Performing Arts</i>				
	<i>Art</i>			
		Todd Christiansen	Using akua inks, a fairly new non-toxic printmaking ink, less toxic etching methods, plain air painting.	
		David Lobdell	Ceramics; Metal Casting; Performance Art; Designing and coordinating exhibitions	
	<i>Media Arts</i>			
		Robert Drummond	Sound Design; Advanced digital compositing; Design projects for the community.	
		Megan Jacobs	Photographic Installations and Exhibition Design.	
		Miriam Langer	Physical computing; interactive exhibition design.	
	<i>Music</i>			
		Tatiana Dutoit	Composition and theory.	
		Edward Harrington	Music Education and Student Achievement; Social Justice Philosophy of Education.	
<u>College of Science & Mathematics</u>				
<i>Biology</i>				
		Dick Greene	Bioengineering; Medical Imaging; Cardiovascular Disease.	NIH- RO1, Consultant, Mechanisms of stroke in Libman-Sacks (Lupus) Endocarditis. 07/01/05-06/30/10, \$2,866,876, Funded, 2006-09.

		Carol Linder	Developmental regulation of spermatogenesis; mouse genetics; genetic background effects on male reproduction; mouse models for human disease.	P20 RR-03-010 Arterburn (PI), NM State, NIH/NCRR NM-Idea Networks of Biomedical Research Excellence (www.nminbre.org); NIH/NCRR-Research Infrastructure in Minority Institutions.
		Ben Nelson	Antibiotic Resistance; biomedical research.	
		Maureen Romine	Collection, identification, and study of the distribution of plants in the Las Vegas area and other areas in northern New Mexico; effects of fire and other disturbances on vesicular-arbuscular mycorrhizae populations, effects of vesicular-arbuscular mycorrhizae on growth and drought tolerance of various plants.	
		Mary Shaw	Phytoplasma research, genetics and plant diseases.	
<i>Chemistry and Forensic Science</i>				
	<i>Chemistry</i>			
		Merritt Helvenston	General: studies of electron transfer phenomena and their environmental applications. Synthesis of photonic switches: complexes with nonlinear optical properties which can be dynamically modulated, Photocatalytic and electrochemical decontamination of organics in groundwater, Biodehalogenation.	
		Tatiana Timofeeva	Methods of modeling organometallic molecules, and molecular and crystal structure modeling of the compounds with specific physical properties (nonlinear optical materials, liquid crystalline precursors).	Integrated Approach to the Prediction of Hyperpolarizabilities of Organic Crystals (NASA/SC); Development of Molecular Mechanics Force Field for Organometallic Molecules (CRDF/UGA).
<i>Computer Science</i>				

		Hossein Tahani	Pattern recognition, Machine learning, Image Processing, Computer vision, Parallel and distributed computing, Scientific visualization, Intelligent software agents, Uncertainty Management, Computer Security Education.	
<i>Exercise & Sports Sciences</i>				
		Kathy Jenkins	Child obesity and physical inactivity; body composition, and fitness assessment.	
		Joseph Schmalfeldt	Motor development, disabled Sports, and utilizing technology in Higher Education.	
		Kim Yongseek	Sport marketing, sport finance, and consumer behavior.	
<i>Mathematics, Engineering, & Physics</i>				
<i>Natural Resource Management</i>				
		Edward Martinez	Use of invertebrates as Indicators of Metal Pollution;Tropic Characterization of Waterholes in South Australia; Limnology (Lake & Stream Ecology); Watershed Management.	American River Natural History Association Research Grant \$25,000, Phone survey of American River Parkway Users (2005-Present).
	<i>Natural Sciences</i>			
		Ken Bentson	Invasive organisms in managed and wildland ecosystems; Juniper and Pinyon ecology and management; Vegetation and community structure.	
		David Hacker	Big Game Management; Quantitative Forestry.	USDA-Forest Service Articulation Grant (2006) - \$54,904.
	<i>Geology</i>			
		Jennifer Lindline	Relationship between magmatism, metamorphism, and deformation in the Coast Mountains, central southeastern Alaska; the influence of magma mingling and mixing on magma chamber dynamics, the petrology of Proterozoic amphibolites in the southern Sangre de Cristo mountains.	NSF Major Research Instrumentation Grant, \$544,442, Acquisition of New Single Crystal X-Ray Diffraction System for Teaching/Research Laboratory (Co-PI) 2004-2007.

		Michael Petronis	Geophysics; Paleomagnetism; Volcanology.	National Geographic Society Research Grant \$20,000.
	<i>Hydrology</i>			
		Michael Meyer	Focused on hydrology, climatology and water quality assessment for watershed-based land use and management in Las Vegas and San Miguel County.	PI: NIH-MBRS, Influence of Land Use and Forest Wildfires on Waterborne Pathogens and Water Quality. Awarded \$205,000, September 2002.
<i>Social & Behavioral Sciences</i>				
	<i>Anthropology</i>			
		Orit Tamir	Southwest Native American Resettlement Development.	
	<i>Psychology</i>			
		Camea Gagliardi-Blea	Academic persistence, career counseling, at-risk youth, marital therapy outcome research with veterans, and positive psychology.	
		Jean Hill	Community-level interventions; sense of community.	
		Linda LaGrange	Biochemical markers of alcoholism; neurochemistry of personality.	
		Maura Pilotti	Cognitive psychology, memory phenomena, ways phenomena influence perception, learning and self-assessment.	
		Gerald Russell	Memory deficits; assessment of memory deficits.	
		Ian Williamson	Conflict-related emotions such as forgiveness, shame and guilt, volunteerism, civic engagement, positive psychology.	
	<i>Sociology</i>			
		Erika Derkas	Reproductive justice, women and economic development, race and ethnic protest/social movements.	

		Arlie Tagayuna	Criminal Justice, Corrections, Comparative Criminal Justice, Sociology of Law, Race and Ethnic Relations (Hispanic, Asian and Pacific Islander experience), Gender, Disability, Area focus: Southeast Asia (Philippines, Indonesia, Thailand).	
		Tom Ward	Social theory and activism; postmodern social theory; capital punishment; criminology; and crime policy.	
<u>School of Business</u>				
		Harold Olafson	Real estate valuation	
		James Peters	Studying expert judgments in complex accounting decision environments; modeling; judgements with computer programs using artificial intelligence techniques.	
		Margaret Young	Environmental Concern; Green Marketing; Environmentalism; Marketing Research Methodology; Environmental Ethics in Business.	
<u>School of Education</u>				
		Michael Anderson	Teaching the United States Constitution	
		Alice Blake-Stalker	Content Area Reading and Study Skills, Adult and Family Literacy, Integrating the Arts and Language Arts, Children's Literature.	
		James Burns	Middle school curriculum	
		Michael Immerman	Integrated computer applications for pre-service classroom teachers, NMTA preparation for pre-service classroom teachers	

		Merryl Kravitz	Sheltered English, English as a second language, Middle level education, Alternative Education.	
		Effie Laman	Emergent literacy for students with sensory deficits and transition for non-academic students and students seeking trades vocations.	
		George Leone	Psychoanalytic studies & Existential Philosophy	
		Shirley Meckes	Effect of using the computer as a learning tool in a kindergarten curriculum	
		Kara Moloney	Vocabulary, adolescent literacy, writing, discourse analysis.	
		Chris Nelson	Assessment of student achievement.	
		Carolyn Newman	Brain research; First & Second language acquisition; International education; United States education policies; Education History & Pedagogical practice.	
		Sandra T. Ortega	Academic Achievement Gap of K-12 students in New Mexico of Hispanic or Native American backgrounds; Partnerships between the University and K-12 schools; Narrative cognitive modes in NM multicultural setting.	
		Stella Romero-Helvie	Increasing the numbers of students with disabilities in STEM (science,technology, engineering, math) education, Enhancing teacher quality through provision of credit and materials funding for BA degree coursework for West Las Vegas educational assistants.	
		Lori Rudolph	Psychological & Social impact of political violence of refugee women.	

		David F. Arguello	Treatment attrition among domestic violence batterers, children exposed to meth labs, policy issues related to land grant property restoration, policy issues related to water adjudication.	
		Cristina Duran	How the growth of the Mexican immigrant population is changing communities and neighborhoods in New Mexico.	
		Rey Martinez	Children's Health & Mental Health; 2) Addictive Behaviors (<i>methamphetamine and other drugs of abuse</i>); 3) Social Work Practice; 4) Play Therapy; 5) Family Therapy; 6) Social Work Education and 7) Program Evaluation.	
		Dolores Ortega	Dejando Huellas: Meeting the Bilingual/Bicultural needs of the Latino Mental Health Patient.	
		Mario Rodriguez	Aging and the Hispanic Family.	
		Jesse Romero	Impact of Culture on the Therapeutic Process, Recidivism of DWI offenders post evidence-based treatment, Effects of generational Gang Involvement on Adolescents Future, Best Practices in Mental Health Treatment w/ Hispanic/Native American Families.	