

2020-2021 Internal Grants Comprehensive Listing

AAUP University Research, Faculty-Student Research, Faculty Development, PT Faculty Development, Curriculum Development

Department	Faculty Member(s)	Award	Title
<i>AAUP University Research</i>		Total Awarded	\$292,638
Accounting			
	Michelle Kusaila Andrew Weinberger	\$5,000	Corporate social responsibility and juror auditor liability decisions
Art			
	Theodore Efremoff	\$5,000	Sowing the Tempest: Seeds of Change in Climate Fact and Myth
	Brian Flinn	\$3,250	Digital Landscapes
	Leanne Zalewski	\$1,693	Book Project: "American Women Shaping Art History: Late Nineteenth-Century Authors, Clara Erskine Clement and Clara Stranahan"
Biology			
	Syed Abbas	\$5,000	Does prolonged exposure to blue light cause aggression in female crayfish?
	Alicia Bray	\$5,000	Invasive Japanese Beetle Management with Tiphia Wasps in Connecticut
	Sylvia Halkin	\$3,000	Changes over Time and Space in the Song Repertoires of Northern Cardinals, "Cardinalis cardinalis"
	Paul Hapeman	\$5,000	Assessment of Methods for Detecting Everglades Mink (Neovison vison evergladensis) in Fakahatchee Strand State Preserve
	Clayton Penniman	\$5,000	Temporal, Spatial, and Life Stage Variability in Community Physiological Profiles of Heterotrophic Prokaryotes in the Biofilm Attached to the Thalli of "Fucus vesiculosus", an Ecologically Important Mid- Intertidal Brown Seaweed

Department	Faculty Member(s)	Award	Title
	Christopher Potter	\$5,000	Development of a C3H/HeJ mouse model colony and associated laboratory technologies needed to conduct clinical studies in the treatment of Alopecia Areata
Biomolecular Sciences			
	Daniel Chase	\$5,000	Subcellular localization of dopamine receptors DOP-1 and DOP-3 in the DA9 neuron of <i>C.elegans</i>
	Barry Hoopengardner	\$4,800	RNA editing as a character for phylogenetic relationships in velvet worms
	Thomas King	\$5,000	Making a genetic assignment for the spontaneous "squiggle tail" (squig) mutation in mice
	Jessica Smith	\$5,000	Mechanisms of Extracellular Electron Transfer by strains of <i>Geobacter sulfurreducens</i>
Chemistry & Biochemistry			
	Thomas Burkholder Sarah Maurer	\$5,150	The Role of Race, Gender, and Preparation on Student Learning in General Chemistry
	Sourav Chakraborty	\$4,826	Determination of pheromones such as heneicosane, tricosane and pentacosane using solid phase micro- extraction (SPME) coupled with hyphenated mass spectrometry techniques (LC-MSn and GC-MS)
	Guy Crundwell	\$4,953	Palladium complex formation with heterocyclic aromatic ligands - How studying stable palladium-ligand intermediates can help us understand the degradation of commercial palladium catalysts over time
	Sarah Maurer	\$4,640	Condensation of amino acids and alcohols to form primitive cell membranes for the origins of life
	Barry Westcott	\$4,975	Molecular Structure of Models for Metal Impurities in Petroleum

Department	Faculty Member(s)	Award	Title
Computer Electronics and Graphics Technology			
	Haji Dharavath	\$5,000	G7 Master Compliance through a Color Managed Digital Printing Workflow (CMDPW): Comparison of Compliance with Output Device Profile (ODP) vs. Device Link Profile (DLP)
	Sangho Park	\$4,850	Sensor-based Intelligence for Smart Environment
Computer Science			
	Yusuf Albayram	\$5,000	Investigating the effectiveness of personalized cybersecurity education
	Sixia Chen	\$4,500	Fixing Reordering Anomalies in CRDTs for Collaborative Text Editing
	Stan Kurkovsky	\$5,000	Cross-Platform Mobile Application Development: Frameworks and Analysis
	Neli Zlatareva	\$4,000	Building Natural Language to SPARQL Interfaces for Semantic Web Applications
Counselor Education and Family Therapy			
	Tatiana Melendez-Rhodes	\$3,900	Comparison of relationship quality of couples who are married and couples who cohabitate
	Sarah Zalewski Ikone Mason Peg Donohue	\$7,900	The experiences of burnout and self-care in school counseling students
Educational Leadership, Policy and Instructional Technology			
	Yan Liu	\$5,000	School Principal Qualifications, Leadership Emphases, and School Outcomes: A Lens of Educational Equity
Engineering			
	Khaled Hammad	\$5,000	Inflow Conditions and the Flow Behavior of Submerged Annular Viscoplastic Jets

Department	Faculty Member(s)	Award	Title
	Steven Johnson	\$5,000	Analysis of the Surface Oxide Layer on Light Metal Alloy Powders Towards Enhanced Powder Consolidation
	Viatcheslav Naoumov	\$4,931	Hybrid Propellant Rocket Engine Test Facility Upgrade, Improvement of the Technology of Temperature Measurements and Fabrication of Solid Propellant Grains and Study of the Combustion of Papaffine-Based Fuel at Wide Range of the Equivalence Ratios
English			
	Burlin Barr	\$5,000	Fragments from a Discourse on Masculinity
	Candace Barrington	\$2,500	Watching the Watcher: John Lydgate's "The Temple of Glas"
	Robert Dowling	\$5,000	A Place in Time: The Life and Work of Sam Shepard
	Susan Gilmore	\$2,500	"Language of the Unheard": Riot on the American Cultural Stage
	Heidi Hartwig	\$5,000	Tracing Conversion in the Notebooks, Journals, and Novels of J.-K. Huysmans
	Elizabeth Olson	\$2,500	Embedded Access: Using Course Structure to Benefit Students with Disabilities in Composition Courses
Geography			
	Eunhye Grace Kim	\$4,999	Creative MICE (Meetings, Incentives, Conventions/conferences, and Exhibitions) Tourism: Building Synergies with Cultural Heritage Tourism
	Yunliang Meng	\$3,000	COVID-19 Death Rates and County Subdivision Level Contextual Characteristics: A Connecticut Case Study
	Cynthia Pope	\$5,000	The Gendered Impacts of COVID-19 in Belize, Central America
	Brian Sommers	\$5,000	World War II Memorialization as it is Impacted by Modern Balkan Politics

Department	Faculty Member(s)	Award	Title
Geological Sciences			
	Michael Wizevich	\$5,000	Tracing Sediment Sources for the Mesozoic Hartford Basin by Dating of Detrital Zircons
Literacy, Elementary & Early Childhood Education			
	Helen Abadiano	\$5,000	Program Completers' Impact on P-12 Student Learning
	Candace Barriteau Phaire	\$4,090	Educating in Emergencies: What can early childhood educators learn from the classrooms that never closed during the Covid-19 pandemic?
	Jessica Edwards	\$1,600	Using Diverse Picture Books to Strengthen Social and Emotional Skills
Management and Organization			
	Heidi Hughes	\$3,500	Generation Z: Workplace values, attitudes, experiences, and expectations
Manufacturing and Construction Management			
	Linda Reeder	\$2,035	Mary Colter's Design Processes and Construction Techniques
Marketing			
	Jason Snyder Mark Cistulli	\$5,000	Attack of the Podcasts: Assessing the Use of Humor in Podcast Ads
Mathematical Sciences			
	Ivan Gotchev	\$5,000	Cardinal Functions on T1-topological Spaces
	Shijie Gu	\$5,000	On Z-compactifiability of manifolds
	Oscar Perdomo Nelson Castaneda	\$10,000	Search for new periodic solutions of the n-body problem
	Krishna Saha	\$5,000	Testing the Equality of the Risk Difference in the Analysis of Correlated Binary Data

Department	Faculty Member(s)	Award	Title
	Gurbakhshash Singh	\$5,000	Extending Log-Binomial Model and Log Cumulative Probability Model for correlated data
Physical Education & Human Performance			
	Tan Leng Goh Chee Hoi Leong	\$10,000	The Effects of Before School Physical Activity on Social and Emotional Learning, Physical Fitness and Physical Activity
Physics and Engineering Physics			
	Yuriy Garbovskiy	\$5,000	Modeling and Measuring Ionic Phenomena in Liquid Crystal Materials
	Nimmi Sharma	\$5,000	Illuminating Atmospheric Dynamics and Aerosol Transport with Lasers
Political Science			
	Diana Cohen	\$3,762	Wheels of Change: Women's Cycling on the International Stage
Psychological Science			
	Caleb Bragg	\$3,200	Work-Family Balance Intervention Through Family Goal Setting
Social Work			
	Yvonne Patterson	\$2,500	Examining Cultural Relevance in Baccalaureate Social Work Education
Sociology			
	Beth Merenstein	\$4,934	Implementing Curriculum: How Race and Racism are Taught in History Classes
	John Mitrano	\$4,150	American Indians and Route 66: Collecting the Stories of The Mother Road's Indigenous People

Friday, June 4, 2021

Department	Faculty Member(s)	Award	Title
Special Education and Interventions			
	Alicia Stewart	\$2,500	Investigating Teacher Knowledge and Preparedness of Implementing Evidence-Based Reading Instruction Across Content Areas for Students with Inattention
	Natsuko Takemae John Foshay Megan Mackey	\$7,500	Autobiographical Memory Study: Systematic Applications of Universal Design for Learning to Teacher Candidates' Reflective Cycle, Learning Process, and Embedded Support

Department	Faculty Member(s)	Award	Title
------------	-------------------	-------	-------

Curriculum Development

Total Awarded

\$58,543

Biology

Rachel Rachler

Kimberly Gonzalez

\$2,400 New Health Science Course Development: BIO 490/540 - Pharmacology for the Health Sciences

Misty Scoggins

Robbin Smith

\$1,200 Open Educational Resources and Revision of a Graduate Nurse Anesthesia Course

Chemistry & Biochemistry

Sourav Chakraborty

\$600 Development of visual tools and on-line pre-laboratory content for Instrumental Methods in Analytical Chemistry (CHEM 402)"

Computer Electronics and Graphics Technology

Shuju Wu

\$600 The Impacts and Challenges of COVID-19 on a Laboratory Intensive Program and Solutions

Computer Science

Stan Kurkovsky

\$1,200 Integration of Cloud Computing Concepts into CS410 Software Engineering

Department	Faculty Member(s)	Award	Title
-------------------	--------------------------	--------------	--------------

Counselor Education and Family Therapy

Sarah Zalewski	\$915	Incorporating telehealth techniques and ethics into "Counseling Children and Adolescents" course
----------------	-------	--

Criminology and Criminal Justice

Damon Mitchell	\$1,200	Conversion of an Upper-Level On-Ground Course to an Asynchronous Online Format
----------------	---------	--

Julie Schnobrich-Davis	\$1,200	Contemporary Policing
------------------------	---------	-----------------------

Educational Leadership, Policy & Instructional Technology

Felice Russell	\$1,200	Integrating Universal Design for Learning to Facilitate Praxis in Leadership Preparation
----------------	---------	--

English

Burlin Barr	\$1,700	Captioning (via voice and text) of a Video Database for Cinema 201 and expansion of Video Database with captions
-------------	---------	--

Amanda Greenwell	\$2,378	Enhancing Sentence-Level Instructional Study for English Teacher Candidates with Digital Applications and Anti-racist Pedagogies
------------------	---------	--

Amanda Greenwell Steven Ostrowski	\$2,400	Development of ENG507 and ENG508 for the newly aligned MAT program in English
--------------------------------------	---------	---

Aimee Pozorski Amanda Greenwell	\$3,930	#disrupttexts and the American Canon in the CCSU English MA Progra
------------------------------------	---------	--

Department	Faculty Member(s)	Award	Title
Geography			
	Yunliang Meng	\$1,600	The Development of a New Course: Learning ArcGIS Pro
Geological Sciences			
	Jennifer Piatek	\$1,200	Life Will Find a Way: Adapting our Introductory Astrobiology Course for HyFlex Instruction
	Michael Wizevich	\$1,799	Restructuring Sedimentary Geology Labs for Online Teaching During a Pandemic
History			
	Juan Coronado Beth Merenstein	\$2,773	Race and Immigration in the New Britain and Hartford Communities
Literacy, Elementary & Early Childhood Education			
	Jesse Turner Lynda Valerie	\$1,720	Supporting Students in an Online Practicum
	Jessica Edwards	\$1,478	Development of LLA 523: Social Emotional Learning through Literacy Instruction
	Julia Kara-Soteriou	\$1,200	Revising the MS in Elementary Education to Offer Initial Certification in Gr. 1-6
Mathematical Sciences			
	Leah Frazee Melissa Gunter	\$4,000	Meet Me in the Middle: Redesigning the Secondary Mathematics Methods Experience
	Shelly Jones Melissa Gunter	\$2,400	Using a Mathematical Lens to Analyze Equity, Justice, and Inclusion in American Society
	Shijie Gu	\$1,200	Fourier Analysis
	Viktoria Savatorova	\$1,200	Learning Dynamical Systems by Example

Department	Faculty Member(s)	Award	Title
Physical Education & Human Performance			
	Allison Seifert	\$1,200	New Faculty Development of EXS 215: Physiological Aspects of the Human Performance of Aging
	Jan Bishop	\$1,400	Re-envisioned Courses: PE281 Individual Sports and Physical Activities & PE520 Current Issues in Physical Education
	Matthew Martin Jan Bishop Amy Gagnon Tan Leng Goh	\$4,800	Offering a Comprehensive and Competitive Master's Degree
	Mike Voight Pete Morano Allison Seifert	\$4,400	Introduction to Human Performance Edited Lecture Text + Lab Manual
Physics and Engineering Physics			
	Yuriy Garbovskiy	\$1,200	Bringing Undergraduate Physics Labs to Students During a Pandemic: Focus on Video Analysis
Psychological Science			
	Amanda Marin-Chollom	\$600	Online Research Methods for Psychology
	Nghi Thai	\$1,200	From On-Ground to Hybrid Flex: Revamping the Prevention and Community-Based Research Graduate Course
Sociology			
	Beth Merenstein	\$410	From Policy to Practice: How History and Social Studies Teachers Teach Race and Racism
Special Education and Interventions			
	Natsuko Takemae	\$1,800	Design Transformation: UDL Applications to Prepare Teacher Candidates for Inclusive Education

Department	Faculty Member(s)	Award	Title
<i>Faculty - Student Research</i>		Total Awarded	\$8,535
Biology			
	Alicia Bray Kavya Suresh	\$500	The use empathogenic nematodes as a biological control against Culex pipiens
	Clayton Penniman Tyler Swanson	\$500	Microalgae Production Analysis: The Effects of Lighting Distance on Growth Using a Modified Cultivation Method
	Paul Hapeman Katerina Gillis	\$500	Distribution, Detection and Occupancy Modeling of Fisher (Pekania pennanti) in Protected & Private Forested Areas within Suitable Habitat in Connecticut
	Sadie Marjani Savannah Pare	\$500	Transcriptome Profiling of Human IVF Embryo Spent Culture Media by RNA-seq
Biomolecular Sciences			
	Barry Hoopengardner Frank Tirino	\$500	Regulation of gene expression of CACNA1C in Mus musculus
Computer Science			
	Yusef Albayram John Althen Richard Dewald	\$1,000	Exploring Privacy for Employer Monitoring of its Remote Staff: Acceptable or Too Invasive
	Yusuf Albayram John Liu Stivi Canjonj	\$1,000	Effectiveness of Fear Appeal Promoting Password Manager
Engineering			
	Fu-Shang Wei Imad Jabri Mohamed Emara Olivier Martin Spencer Kilby	\$1,000	Go-Kart (Senior Project)

Department	Faculty Member(s)	Award	Title
	Fu-Shang Wei Ramizahmed Sheikh Mike Balestra Andrew Benjamin Issifour Adam Zato	\$1,000	Gas Powered Personal Skid Steering Chair
Manufacturing and Construction Management			
	Hayou Wang Anson Melick Joseph Smith	\$1,000	Industrial Robot Control Using Virtual Reality Gloves
Physics and Engineering Physics			
	Yuriy Garbovskiy David Webb	\$500	Predicting unusual ionic effects in liquid crystal materials
Psychological Science			
	Silvia Corbera Lopez Liliana Villar	\$207	The Relationship Between Self-Esteem and Autism Spectrum Disorder Traits
Social Work			
	Yvonne Patterson Kassion Lewis-Little	\$328	A Descriptive Study of Young Adult Jamaican Men on Condom Use

Department	Faculty Member(s)	Award	Title
<i>Faculty Development</i>		Total Awarded	<i>\$17,184</i>
Counselor Education and Family Therapy			
	Mary Nedela	\$1,793	Presenting Research and Representing Leadership at the American Association for Marriage and Family Therapy Annual Conference
	Tatiana Melendez-Rhodes	\$1,993	Supervision of MFT trainees working with veterans and their families
Engineering			
	Khaled Hammad	\$2,000	Attend and present research at the ASME IMECE2020 and FEDSM2021, and AIAA SciTech Conferences
	Luz Amaya	\$2,210	ANSYS Learning Hub
Geological Sciences			
	Oluyinka Oyewumi	\$1,100	Geochemical Assessment of Human Activities on Naugatuck and Housatonic Rivers, Connecticut
Marketing			
	Jason Snyder	\$826	Maintaining Currency in the Discipline by Becoming Professional Certified Marketers
	Mark Cistulli		
Music			
	Carl Knox	\$2,000	Dr. Carl W. Knox CD Recording Project
Political Science			
	Robbin Smith	\$1,588	PLANC Conference – Recovery and Growth: Best Practices and Creative Approaches in Pre-Law

Department	Faculty Member(s)	Award	Title
-------------------	--------------------------	--------------	--------------

Sociology

John Mitrano	\$2,674	Experiential Learning Academy 'Certification Workshops' at the National Society for Experiential Education's Annual Meeting
--------------	---------	---

Theatre

Christie Maturo	\$1,000	Not Nothing, the short film
-----------------	---------	-----------------------------

Part-Time Faculty Development

Total Awarded \$2,762

Design (Graphic/Information)

Lili Chin	\$2,562	Franconia Oneota
-----------	---------	------------------

Management Information Systems

Alana Ledford	\$200	Online Learning Research for Student Professionalism
---------------	-------	--