
FISCAL YEAR **2017**

ANNUAL REPORT

Graduate School
Sponsored Programs
Research Compliance



UNIVERSITY OF
CENTRAL
ARKANSAS™

The Graduate School at the University of Central Arkansas continues to strive for excellence, acting as a major contributor to the educated citizenry of Arkansas and beyond.

The Graduate School

The Graduate School at UCA oversees 62 programs – 7 doctoral programs, 1 Educational Specialist program, 34 Masters programs, 11 post-Masters certificates, and 9 graduate certificates. Graduate student enrollment reached a headcount of 1,871 in Fall 2016. Our graduate students continue to produce a wide array of scholarship with many of them presenting at professional conferences. Students, with the mentoring of our faculty, produced 13 dissertations and 23 theses. This productivity is possible with the dedication of 451 UCA faculty and other highly qualified professionals who hold graduate faculty status. At the current time, we have 296 UCA faculty who hold Full graduate faculty status, 69 who hold Associate graduate faculty status, and 86 highly qualified professionals who hold Affiliated graduate faculty status.

The Graduate Council was actively engaged in reviewing new graduate courses; changes in admission, retention, and/or graduation requirements; the deletion of programs and/or concentrations; and graduate faculty appointments.

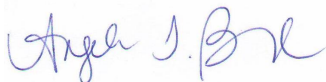
University Research Council

University Research Council, a unit managed by the Graduate Dean, reviewed a wide range of proposals and allocated \$90,473 to support faculty research, artistic, or creative endeavors. Furthermore, an additional \$21,000 was allocated to support 7 summer stipends. Finally, students (graduate and undergraduate alike) had their research supported by URC, with almost \$15,000 allocated to underwrite students who presented at conferences or secured supplies for their research.

Sponsored Programs

Faculty at UCA have been highly productive in seeking and gaining external support for their research and scholarly endeavors. In the last fiscal year, there were 220 proposals submitted for support that were either not funded or are currently pending. In addition, 213 proposals were funded. Awards for the previous year, which included single-year and multi-year grants, totaled \$16,582,365.

The graduate faculty and students at UCA have been highly engaged in research, artistic, and creative endeavors and have an impressive amount of internal and external funding that has supported their work. The Graduate School and Sponsored Programs staffs will continue to encourage and support those efforts. Thank you to Patti Hornor, Emily Hartle, Suzanne Wiltgen, and Kimberly Ashley-Pauley for their help in preparing this report.



Angela T. Barlow, Ph.D.

Dean of the Graduate School and Director of Sponsored Programs

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The Graduate School Annual Report to Faculty Senate for 2016–2017

Graduate School Mission and Purposes

The Graduate School supports the vision, mission, and core values of the University of Central Arkansas. In doing so, the Graduate School

- Promotes intellectual excellence at the advanced levels of academic learning;
- Serves multiple communities through professional and training activities;
- Recruits and retains a highly qualified and diverse graduate student body; and
- Promotes integrity through ethical and responsible behavior in faculty, staff, and students.

The Graduate School supports doctoral, specialist, master's, and certificate programs of distinction in a variety of fields. These excellent programs help graduates acquire the knowledge, skills, and dispositions needed to become productive members of their chosen fields. The Graduate Council, a representative body of the graduate faculty, assists the Dean of the Graduate School in establishing policies and standards for graduate education.

In keeping with its mission, the Graduate School

- Approves curricula and admission, retention, and completion standards for individual programs;
- Stimulates and supports creative, scholarly, and research activity through the University Research Council and the Office of Sponsored Programs;
- Approves standards of appointment for members of the Graduate Faculty;
- Advocates for graduate education within the Division of Academic Affairs and other levels as appropriate; and
- Collaborates with individual graduate external programs and the UCA Director of Assessment to support program self-assessment and review.

(Adopted by the Graduate Council 11/18/10)

Graduate Council Charge

As outlined in the UCA Faculty Handbook, the responsibilities of the Graduate Council include:

- a. To review and recommend to the Council of Deans new graduate curricula and programs proposed by the various departments and colleges;
- b. To review existing graduate offerings and make appropriate recommendations to the Council of Deans;

- c. To initiate and recommend policies relevant to graduate degree requirements, grading and credit policies, academic standards, and related matters;
- d. To review and recommend policies and criteria for graduate faculty status; and
- e. To act as an academic appeal board for graduate students.

Graduate Council Membership

- a. Graduate Dean (Chair)
- b. Department chairs are selected by the Faculty Senate, one from each of the colleges.

Chairs serving were: Brent Hill, Biology; Stephanie Watson, Accounting; Art Gillaspay, Psychology/Counseling; Michael Gunter, Film, Theatre, & Creative Writing; Wendy Lucas, History; and Terry James, Leadership Studies.

- c. Graduate faculty members with the rank of assistant professor or above are appointed by the Faculty Senate, one from each college.

Faculty appointed by the Senate included: Arijit Mukherjee, Biology; Janet Filer, Elementary, Literacy, and Special Education; Mike Rosenow, History; John Vanderslice, Film, Theatre, & Creative Writing; Alexander Chen, Management; and Darshon Anderson, Psychology/Counseling.

- d. Each college, according to the procedure for appointing college committees, appoints one faculty member.

College appointments were: Jason Martin, Mathematics; Ramon Escamilla, Language, Linguistics, Literatures, & Cultures; Clintá Ché Reed, Nursing; Mark McMurtrey, Management Information Systems; Rhonda McClellan, Leadership Studies; and Stephanie Vanderslice, Film, Theatre, & Creative Writing.

- e. One graduate student is selected by the Faculty Senate, one graduate student is selected by the Graduate Council, and one graduate student is selected by the Student Government Association.

Graduate student appointments were: Benjamin Garrett, Graduate Council appointee; and Ethan Clement, SGA appointee. There was no appointee from the Faculty Senate.

- f. Rhonda McClellan was elected secretary by the Graduate Council.
- g. Terry James, Jason Martin, and Ramon Escamilla served as subcommittee chairs.

Graduate Council: Summary of Activities

Table 1 provides a summary of the Graduate Council’s activities for 2016 – 2017. Activities included reviewing new graduate courses; changes in admission, retention, and/or graduation requirements; the deletion of programs and/or concentrations; and graduate faculty appointments.

Table 1: Graduate Council Activities

Activity	Programs
Number of new graduate courses TOTAL – 55 courses	<ul style="list-style-type: none"> • Athletic Training - 18 • Biology – 2 • College Student Personnel & Administration – 1 • Computer Science – 1 • Creative Writing – 1 • Elementary, Literacy & Special Education – 2 • Exercise & Sport Science – 8 • Family & Consumer Science – 2 • Film – 10 • History – 4 • Occupational Therapy – 3 • Physical Therapy – 3
Changes in admission, retention, and/or graduation requirements	<ul style="list-style-type: none"> • Advanced Studies in Teacher Leadership (M.S.E.) • Health Science (M.S.) • Occupational Therapy (O.T.D.) • Physical Therapy (D.P.T.) • Master of Arts in Teaching – Secondary track (M.A.T.) • District Level Administration (P.M.C.) • Geographic Information Systems – non-thesis (MGIS) • College Student Personnel & Administration (M.S.) • Film (M.F.A.) • Family & Consumer Science (M.S.) • Biology – non-thesis (M.S.) • Nursing (M.S.N.) • Accounting (M.Acc) • Music – theory track (M.M.) • School Counseling (M.S.) • Educational Leadership (Ed.S.)
Deletion of program or concentration	<ul style="list-style-type: none"> • Community & Economic Development (M.S.)

Number of graduate faculty appointments	<ul style="list-style-type: none"> • Initial Affiliated - 28 • Initial Associate - 8 • Initial Full - 22 • Continued Affiliated - 6 • Continued Associate - 9 • Continued Full - 26
TOTAL – 99 appointments	
New programs/concentrations	<ul style="list-style-type: none"> • Athletic Training (M.S.) • Elementary Education concentration (M.A.T.) • Special Education K-12 (M.A.T.) • SPED Resource K-6, 7-12 endorsement • Sport Management (M.A.)

Status of Goals for 2016-2017

For 2016 – 2017, goals for the Graduate School included:

- a. Continue to support implementation of UCA’s strategic plan;
- b. Ensure that all policies, procedures, and requirements clearly support an appropriate academic climate for quality graduate education at all levels;
- c. Work with the Graduate Faculty, Programs Coordinators, Chairs, and Deans to implement graduate enrollment management plan through enhanced marketing efforts and increased recruitment activities;
- d. Update Graduate School Website – **GOAL MET**;
- e. Continue to effectively and efficiently meet all elements of the charge to the Graduate Council;
- f. Publish the *2017-2018 Graduate Bulletin*; and
- g. Update “Policies and Procedures Manual for Graduate Assistants” and “UCA Thesis/Dissertation Guide.”

Goals for 2017-2018

For 2017 – 2018, the goals for the Graduate School include:

- a. Continue to support implementation of UCA’s strategic plan;
- b. Ensure that all policies, procedures, and requirements clearly support an appropriate academic climate for quality graduate education at all levels;
- c. Work with the Graduate Faculty, Programs Coordinators, Chairs and Deans to implement graduate enrollment management plan through enhanced marketing efforts and increased recruitment activities;

- d. Continue to effectively and efficiently meet all elements of the charge to the Graduate Council;
- e. Publish the *2018-2019 Graduate Bulletin*; and
- f. Update “Policies and Procedures Manual for Graduate Assistants” and “UCA Thesis/Dissertation Guide.”

Dissertations and Theses 2016 – 2017

During 2016 – 2017, a total of 13 dissertations and 23 master’s theses were submitted for approval. Tables 2 and 3 provide a listing of the dissertations and theses, along with the program, student, title, and term of submission.

Table 2: Dissertations

Ph.D. Program	Student	Dissertation Title	Term
Interdisciplinary Leadership Studies	Bertelsen, Kris	Entrepreneurship and Criminal Justice Populations: Applying Social Cognitive Career Theory and Risk-Need-Responsivity	May-17
Communication Sciences and Disorders	Dacus, Megan	Comparison of Acoustic Startle Responses in School-age Children Who Stutter and Their Fluent Peers	May-17
Interdisciplinary Leadership Studies	Horton, Leah	Toward Capabilities-Based Environmental Leadership: A Case Study from Kanembwe, Rwanda	May-17
Psychology - School Psychology	Ivy, Lenora	Effect of Teacher Self-Disclosure via Facebook on Student-Instructor Rapport, State Motivation, and Academic Achievement	Aug-16
Interdisciplinary Leadership Studies	Jackson, Lonnie	Grooming Our Own: Frames That Inform Community Leadership Development	Aug-16
Psychology - Counseling Psychology	James, Maggie	The Relationship Between State Transportation, Personality Traits and Symptom Reduction After a Movie Intervention: Implications For Cinematherapy	Aug-16

Interdisciplinary Leadership Studies	Laouali Balla, Mariama	<i>Je Veux Aller A L'Ecole, Mais Je Ne Peux Pas: The Challenges For Girls' Education in Zinder, Niger</i>	Aug-16
Interdisciplinary Leadership Studies	LeQuieu, Elizabeth	The Influence of Health Literacy on Occupational Therapy Practice	Dec-16
Interdisciplinary Leadership Studies	Ligon, Kateryna	Measuring Followership: An Empirical Investigation of the Kelley Followership Questionnaire-Revised	Dec-16
Psychology - Counseling Psychology	Mikeal, Cindy	A Dismantling Study of the Partners For Change Outcome Management System	Aug-16
Psychology - School Psychology	Patterson, De'Von	The Relation Between Phonological Working Memory and Word Reading in College Students	Aug-16
Interdisciplinary Leadership Studies	Searight, Patricia	Lake View Litigation, Arkansas' Education Funding Policy, and Adequacy: A Conflict Between Individual Need and Collective Resource	Aug-16
Communication Sciences and Disorders	Thomason, Ashlen	The Effect of Premotor Transcranial Direct Current Stimulation on the Fluency of Adults Who Stutter During Choral Reading	May-17

Table 3: Theses

Master's Program	Student	Thesis Title	Term
Applied Mathematics	Ashley, Brandon	Asymptotic Tracking and Disturbance Rejection of the Blood Glucose Regulation System	Aug-16
Biology	Baker, Lucy	Landscape Natural Characteristics Interact with Human Activities to Alter Aquatic Macroinvertebrate Communities	Dec-16
Digital Filmmaking	Beck, Jarrod	Perfect Machine	Dec-16

CSPA	Burgess, Jonathan	Experience of the Male Junior College Transfer Student-Athlete	May-17
Biology	Clifton, Ian	Morphological Variation Within and Among Populations of Diamond-Backed Watersnakes (<i>Nerodia rhombifer</i>) and Its Genetic Basis	Aug-16
Digital Filmmaking	Dupins, Prentice	Last Stop	Dec-16
Biology	Filipek, Derek	Phylogeography and Historical Demography of the Queensnake (<i>Regina septemvittata</i>)	Aug-16
Kinesiology and Physical Education	Flynn, Asher	An Analysis of Ground Reaction Forces Due to Body Weight During Drop Jumps	Aug-16
Creative Writing	Garrett, Benjamin	302 Corrections Drive	May-17
English	Gass, Lucas	Poe's Problem with Human Perception: Edgar Allan Poe Responds to American Transcendentalism	Aug-16
Applied Mathematics	Habimana, Robert	Stability Analysis of Leslie's Age Specific Population Models	Aug-16
History	Klotz, Daniel	State Power and School Reform in Faulkner County, 1873 - 1931	Aug-16
Creative Writing	Lager, Mark	Sipapu	May-17
Film	Lunon, Kameron	Vilomah	May-17
Creative Writing	Miller, Joshua	Stamp of Hope	May-17
Biology	Monday, Lori	Endocrine Correlates of Melanism in the Red-eared Slider Turtle, <i>Trachemys scripta elegans</i>	May-17
Applied Mathematics	Moody, Rebecca	Measuring the Effectiveness of Federal Funding Using Social Network Analysis	Aug-16

Biology	Morrison, Elizabeth	Male Fixation Patterns on Female Breasts: A Study on Sexual Selection in Humans	Aug-16
Creative Writing	Norris, Devon	The Lost Life of Simon Northup	May-17
Creative Writing	Stedham, Heather	The Back-Up Plan: A Middle-Grade Novel	May-17
Applied Mathematics	Tawiah, Edward	Factors Contributing to the Success of Small Businesses Using Structural Equation Modeling - A Statistical Framework	May-17
Biology	West, Nicholas	Investigating the Role of the Dynamin-like Proteins in the Mitochondrial Dynamics of <i>Dictyostelium discoideum</i> via Cytoskeletal Disruption	Dec-16
Geographic Information Systems	Wood, Scott	Data Collection in Field-based Environments with Alternative Mobile Devices Using Mobile Geographic Information Systems and Services for Quality Flexible Platforms	Dec-16

UCA Internal Competitions

Faculty Research

The goal of the University Research Council (URC) is to provide support to faculty members initiating a research project, artistic endeavor, or other form of creative activity within or among their disciplines. Faculty are encouraged to use research awards from the URC as seed money for long-term projects for which they will eventually seek outside funding; continuous funding of long-term projects is not a goal of the URC. Although there is no established limit on the size of a request for funds, most awards are modest.

Award Stipulations

- The URC does not provide funds for faculty salaries.
- Funding for equipment will be made only in those circumstances where the equipment is an integral part of the proposed research and such equipment is not available on campus.
- Funding is not provided for projects intended primarily for normal academic responsibilities in curriculum development or teaching activities.
- Funding is not provided for the purpose of completing academic research toward a degree.
- Funding is not provided for research initiated by a student, although student involvement in the faculty research is encouraged.

Table 4 provides a summary of the URC Faculty Research Awards for 2016 – 2017, organized by college. Fourteen faculty research proposals were funded, representing a total of \$90,473.

Table 4: URC Faculty Research Awards

2016 – 2017 University Research Council Faculty Research Awards			
Faculty Member	Dept.	Project Title	Amount
Honors College			
Hostetter, Ellen	HONORS	Historical Evolution of New Jersey's Department of Motor Vehicles	\$1,611
College of Fine Arts and Communications			
Cook-Cunningham, Sheri	MUSIC	The Effects of an Aerobic Fitness Plan on Singer's Cardiorespiratory Function	\$3,866

Kuster, Deborah	ART	Weaving Into the Unknown	\$1,919
College of Health and Behavioral Sciences			
Yang, Jing	CSD	Perception of Degraded Speech by Second Language (L2) Listeners	\$4,200
Varghese, Femina & Bihm, Elson	PSYC	Telehealth Career Mentoring for Juvenile Offenders	\$14,445
College of Liberal Arts			
Smith, Zachary P.	HISTORY	Reading Citizens: Popular Literacy and the Chinese Political Subject, 1904-1949	\$5,470
Akhter, Rafat & Wilson, Janet	SOC	How Does Economic Empowerment Affect Women's Attitude Towards, Risk for and Prevention of Intimate Partner Violence?	\$2,089
College of Natural Sciences and Mathematics			
Bland, Mark	BIOL	Equipping a Human Behavior Research Facility in Lewis Science Center	\$9,625
Dussourd, David	BIOL	Girdles, Acid, and Spit: Behavioral Sabotage of Plant Defenses by Caterpillars	\$8,615
Karakaya, Mahmut	CSCI	Understanding the Effect of Pupil Dilation on Off-angle Iris Recognition	\$7,653
Mehta, Rahul	PHYS	Investigating the Effects of Space Radiation on Biological Tissues	\$9,645
Naumiec, Gregory	CHEM	Synthesis of an Espintanol-based Drug Library Targeting Leishmaniasis	\$6,135
Naylor, Kari	BIOL	Identifying the Link Between Mitochondrial Dynamics and Parkinson's Disease	\$9,000
Yang, Lei	CHEM	Synthesis, Structural & Functional Studies of Bioinspired Mixed-valence Copper Complexes	\$6,200

Faculty Summer Stipends

The purpose of a UCA Summer Stipend is to support increasing a faculty member's knowledge to benefit future UCA students. Availability of this funding is determined by the University

Research Council each year. For summer 2017, \$3,000 (less applicable tax deductions) was set aside for a maximum of seven recipients to be awarded before the end of the fiscal year.

Funding is not provided for projects intended primarily for normal academic responsibilities in curriculum development or teaching activities.

For 2017, seven faculty received summer stipends. Table 5 provides a listing of these faculty, organized by college.

Table 5: 2017 Faculty Summer Stipends

2016 – 2017 Faculty Summer Stipends		
Faculty Member	Dept.	Project Title
College of Health and Behavioral Sciences		
George-Paschal, Lorrie	OTHY	Benefits of a Mentoring Program for Adolescents Assigned to the Faulkner County Juvenile Drug Court
College of Liberal Arts		
Lettman, Stacy	ENGL	The Body, Neocolonialism and Economic Dispossession: Bodily Discourses in 1980s’ Jamaican Performance Poetry
Scribner, Vaughn	HIST	Inn Civility: Urban Taverns and the Negotiation of Early American Civil Society
Smith, Zachary	HIST	Mobilizing the Masses: The Politics of Literacy in Early Chinese Communist Party Mass Education Campaigns, 1927-1949
College of Natural Sciences and Mathematics		
Dooley, Kristin	CHEM	Exploring the Differences Between Experimental and Theoretical Determination of the Optical Extinction and Scattering Properties of Aerosols
Naumiec, Gregory	CHEM	Synthesis of an Espintanol-based Drug Library Targeting Leishmaniasis
Rowley, Benjamin	BIOL	Retrospective Epidemiologic Analysis of Influenza Pandemics

Student Research

The goal of the Student Research Fund is to provide support to undergraduate and graduate students for expenses incurred in conducting and disseminating research and other scholarship or creative activities. The undergraduate student must have at least a 2.0 GPA and the graduate student a 3.0 GPA and be a registered student at the University of Central Arkansas for the semesters in which the project is to take place (students who graduate will not be able to access the funds after the date of their graduation). A student can receive no more than one award per academic year. Although there is no established limit on the size of a request for funds, most awards are modest. The maximum amount awarded from the Student Research Fund for Travel is \$400.00. Awarded amounts are determined by the merit of the proposal, the amount contributed by other sources (i.e., department, college), and on a first come, first served basis. The total contributing (matching) funds from all levels should equal approximately 50% of the total request. For example, if a department is willing to contribute \$200 and the college is willing to contribute \$200, the support from the Student Research Fund may be provided up to \$400.

In 2016 – 2017, more than 70 students benefited from the Student Research Awards. Table 6 provides a listing of these students, organized by college.

Table 6: Student Research Award Recipients

2016 – 2017 Student Research Award Recipients		
Student	Dept.	Project Title
College of Education		
Thompson, Amy	T&L	Comparative Perceptions of Teacher Candidates Reading Clinical Experiences
College of Health and Behavioral Sciences		
Baca, Lilli-Anna	PSYC	The Effect of Working Alliance and Therapy Type in Session Attendance
Baird, Emily	CSD	Effects of Airflow Exercises on Voice Handicap & Acoustic Measures: Preliminary Findings from Ongoing Clinical Trial
Davis, Zachary	CSD	Effects of Airflow Exercises on Voice Handicap & Acoustic Measures: Preliminary Findings from Ongoing Clinical Trial

Cavender, Savannah	PSYC	Gratitude as Psychological Immunization: Trust and Ostracism Effect of Relevance and Valence of Instructor Disclosure on Student-Instructor Rapport
Francis, Tori	PSYC	Would People Notice Sudden Switches in Hair Color or Skin Tone
Henley, Dierdre	PSYC	Predicting Degree Goal and First-Generation Status of Students Using Grit and Adaptability
Hufstedler, Amy	PSYC	Student Veterans' Perceptions of Cultural Congruity & Campus Environment: A Pilot Study
Whisenhunt, Sara	PSYC	ADEC Conference
Wierzbicki, Kelli	PSYC	Get to Work!: Evaluating a Self-report Measure of Procrastination
Wierzbicki, Tiffany	PSYC	Jealousy and Relationship Quality
Choate, Jessica	PTHY	A Comparison of Two Electrode Montages for Transcranial Direct Current Stimulation (tDCS) to the Lower Extremity Motor Cortex
Flowers, Meredith	PTHY	The Effects of a Pediatric Experiential Learning Course on the Critical Thinking Skills of DPT Students
Moix, Jessica	PTHY	Use of the Focus on Therapeutic Outcomes (FOTO) Tool to Measure Clinical Outcomes in Doctor of Physical Therapy Students
Sharum, Stephanie	PTHY	A Comparison of Two Electrode Montages for Transcranial Direct Current Stimulation (tDCS) to the Lower Extremity Motor Cortex
College of Natural Sciences and Mathematics		
5 Graduate Biology Students	BIOL	Travel to American Society of Ichthyology and Herpetology in New Orleans, LA
Clement, Ethan	BIOL	Protein Expression of Oct4 and NANOG in Human Foreskin Fibroblast Cells
Jefferson, Lindsay and Davis, Kyle	BIOL	Continued Investigations into the Benefits of Rocket Stoves Compared to Tree-Stone Fires

Dial, Nicholas	BIOL	Stress Response and Tolerance of 4 Arkansas Native Species and their Potential for Phytoremediation
Furr, Michelle	BIOL	The Society for Freshwater Science 2017 Annual Meeting
Gatrell, Landon	BIOL	Nutrient Availability Impacts Proteotoxic Stress in <i>C. elegans</i>
Lenard, Angela	BIOL	Biochemical Mechanisms Influencing Countergradient Variation in Lizard Development
McKay, Scotty	BIOL	Cadherin 18 Localization and Interacting Partners
Mercado, Miguel	BIOL	Utility of the low copy nuclear gene LFY for phylogenetic studies in plants
Pittman, Pristine	BIOL	Observing FszA's Function in <i>Dictyostelium discoideum</i> Mitochondrial dynamics
Polett, Marcia	BIOL	The Influence of Embryonic Environment on Phenotypic Variation and Fitness in <i>Sceloporus consobrinus</i>
Robinson, Christopher	BIOL	Does Testosterone Mediate Selection on Sexual Dichromatism in the Prairie Lizard, <i>Sceloporus consobrinus</i> ?
Scharbor, Hunter	BIOL	Rotenone Effects on Mitochondria
Shaddox, Sage	BIOL	The Effects of Estrogen in Microgravity on Physiology
Stoughton, Stephanie	BIOL	How Urban Intensity and Orientation Influence Stream Water Quality
Thomas, Jacklyn	BIOL	The 2017 Southern Section of the American Society of Plant Biologists
Vire, James	BIOL	Evolution of BABY BOOM-like genes in Asteraceae; Implications for Parthenogenesis in <i>Erigeron</i>
Tucker, DeShauna	BIOL	A Quantitative & Qualitative Analysis of the Macroinvertebrates in the UCA Vernal Ponds
Waymack, Jacob	BIOL	Impacts of Anthropogenic Land Use Alteration on Morphology of Stream Fishes in Arkansas

25 Undergraduate Chemistry Students	CHEM	ACS Conference San Francisco
Jordan, Margaret	GEOG	SWAAG Conference
Barre, Kristen	GEOG	SWAAG Conference
Sims, Isaac	GEOG	SWAAG Conference
Dane, William	GEOG	SWAAG Conference
Gonser, Brett	MATH	Uteach Conference
Burden, Mary Katie	MATH	Case Studies of Virtual Manipulative & Static Derivative Images in Calculus
Physics Department	PHYS	Physics and Astronomy Student presenters at American Physical Society Annual meeting in New Orleans, LA

Sponsored Programs Annual Report to Faculty Senate for Fiscal Year 2017

Sponsored Programs Vision, Mission, and Core Values

Vision

Sponsored Programs aspires to be a recognized leader in support of the academic scholarly enterprise both locally and nationally.

Mission

Sponsored Programs is committed to providing professional administrative support to facilitate academic, scholarly, and creative excellence while maintaining professional and ethical standards.

Core Values: Professionalism Ethics Collegiality

Sponsored Programs strives to:

- Focus on integrity at all levels:
 - Continuous review and update of policies related to compliance with federal and state agencies
 - Continue to develop and maintain financial compliance with post-award accounting
- Continue to foster a culture of academic, scholarly, and creative excellence:
 - Work with College Deans, Department Chairs, and other institutional divisions to increase grant submissions and awards
 - Continue to develop collaborations with Deans, Associate Deans, and Chairs to identify funding opportunities and support release time for faculty to do the research
 - Develop training programs for administrative support at the college and department level
 - Increase grant-writing services and implement Project Management practices
- Provide a learner-focused environment for all students:
 - Provide resources for students for funding their project through SURF
- Commit to ongoing improvement and innovation in facilities and technology:
 - Work with faculty members to identify novel technologies
 - Continuously develop board policies with common sense methods for disclosing technology and transferring research materials to other institutions
 - Work with legal counsel on Export Control issues
- Increase engagement with external partners:

- Continue to foster relationships with the Arkansas Science and Technology Authority and other State Colleges and Universities to continue the UCA voice in state research infrastructure decisions
- Continue involving Sponsored Programs staff with national associations such as National Council of University Research Administrators, Society of Research Administrators, Association of State Colleges and Universities' Grants Resource Center, Association of University Technology Managers and the Public Responsibility in Medicine and Research and the National Organization of Research Development Professionals
- Increase use of social media to disseminate opportunities, have a voice in state and national policy, and maintain currency in policy implementation
- Promote diversity in all areas:
 - Work with Deans, Associate Deans, and Chairs to identify funding opportunities that specifically target underrepresented groups
 - Continue to offer research seed money from the Research Grant and Development Program Fund to underrepresented groups in order to gather preliminary data to be used in a major grant proposal

Research Grant & Development Program (RGDP) Fund for 2016–2017

Description

The fund is used to help faculty win a grant by providing matching funds to meet some grant agency requirements or to help faculty be successful with a grant proposal in other ways. The fund does not exist to be the primary support mechanism for an individual’s research agenda. In consultation with the Provost/Executive Vice President and the Dean of the Graduate School/ Director, Sponsored Programs may limit disbursement based on an individual’s history of requests and disbursements. Each support activity must be connected to winning grants from external agencies.

Priorities

Highest Priority	Second Highest Priority	Third Highest Priority
<p style="text-align: center;">Grant Matching Support</p> <ol style="list-style-type: none"> 1. Help with grant proposals to agencies that require a match. 2. Voluntary match or cost share when the agency has neither published nor implied matching requirements, but clearly a match would appear to leverage a grant award based on the agency’s goals, guidelines, policies, and procedures. 	<p style="text-align: center;">General Support</p> <ol style="list-style-type: none"> 1. Help faculty generate preliminary data to later develop a full proposal to a major agency. 2. Provide occasional grant-writing release time for promising faculty with particularly heavy teaching loads (Must be done in consultation with chair and dean of the college). 	<p style="text-align: center;">Infrastructure Support</p> <p>Help sponsored programs pay for internal SP resources that would help all faculty members win grants such as memberships, subscriptions, workshops and technology, travel to meet federal granting agents, grant submission systems, occasionally share cost in student development activities (e.g., SURF and student poster activities)</p>

Students

Whenever possible, all salary and wages for graduate students working on sponsored programs should be requested from the agency in the form of direct costs. Tuition remission either in lieu of wages or direct pay must be requested from the agency in the form of direct costs and be done in accordance with applicable OMB Circulars concerning salaries and wages. Students are not typically supported with this fund.

Project Significance

In order to meet unexpected institutional priorities, the Provost/Executive Vice President and the Dean of the Graduate school shall set priorities inside/outside this order dependent upon the availability of funds and significance of the project to the success of the academic enterprise.

Budget Management

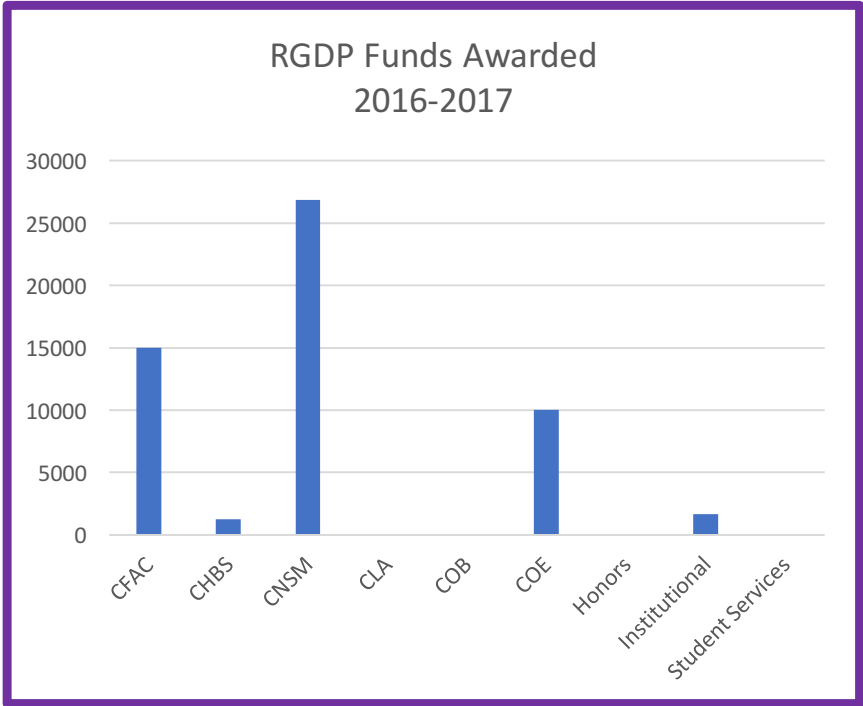
The Dean of the Graduate School/Director of Sponsored Programs shall be the primary manager of this budget and shall regularly supply the Provost a balance sheet showing the distribution of the funds and potential distribution of the funds.

Thresholds

After faculty members receive a cumulative total support of \$100,000, all years inclusive, project significance must play a major role in determining future support from the fund.

In 2016 – 2017, a total of \$54,793 in RGDP Funds were awarded. Additional monies were committed for grant proposals that were not awarded. Figure 1 provides an overview of the dollars awarded by college.

Figure 1: RGDP Funds Awarded



Sponsored Programs External Funds for 2016–2017

Description

All external proposals for federal, state, foundation, and industry grants are to be processed through the Sponsored Programs Office. This is to insure that all federal, state, and institutional uniform guidelines are followed and that all institutional approvals are obtained before the proposal/application leaves the campus.

In addition to external proposals, all contractual agreements for external funding are to be processed through Sponsored Programs as well. These agreements are usually in the form of:

- Memorandum of Agreement
- Memorandum of Understanding
- Grant Agreement
- FDP Cost Reimbursement Research Subaward Agreement
- Sub-Recipient Agreement
- Collaborative Research Agreement

Any other agreements similar in nature are to be processed through Sponsored Programs.

In 2016 – 2017, a total of 213 proposals were awarded. The total for these proposals was \$16,582,365, which includes funding for single year projects as well as multi-year projects. In addition, 220 proposals were submitted that were either not awarded or are currently pending. These submitted proposals represent a total of \$22,979,887. Figure 2 provides an overview of the number of proposals awarded/submitted by the colleges. Figure 3 represents the grant dollars by college.

Figure 2: Number of Proposals Awarded and Submitted

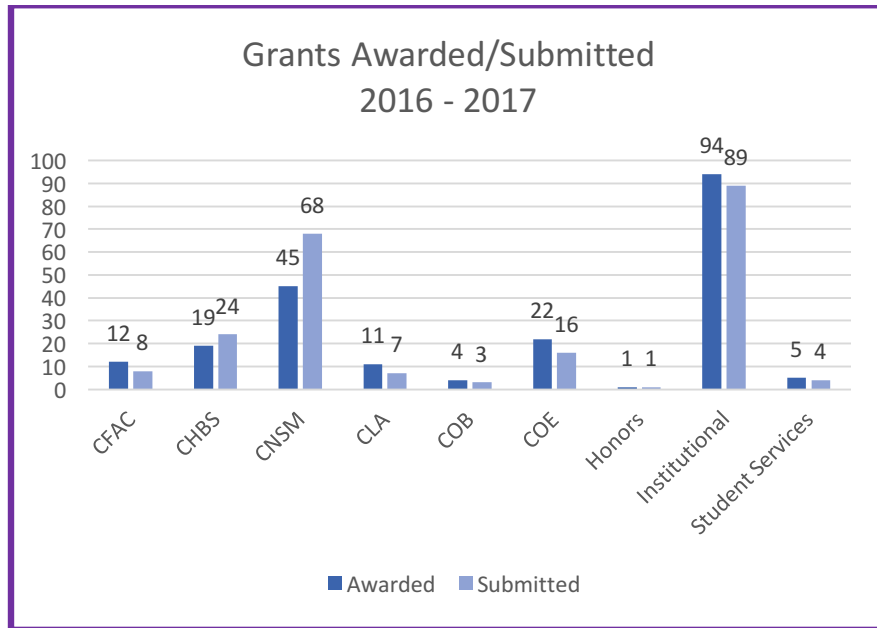
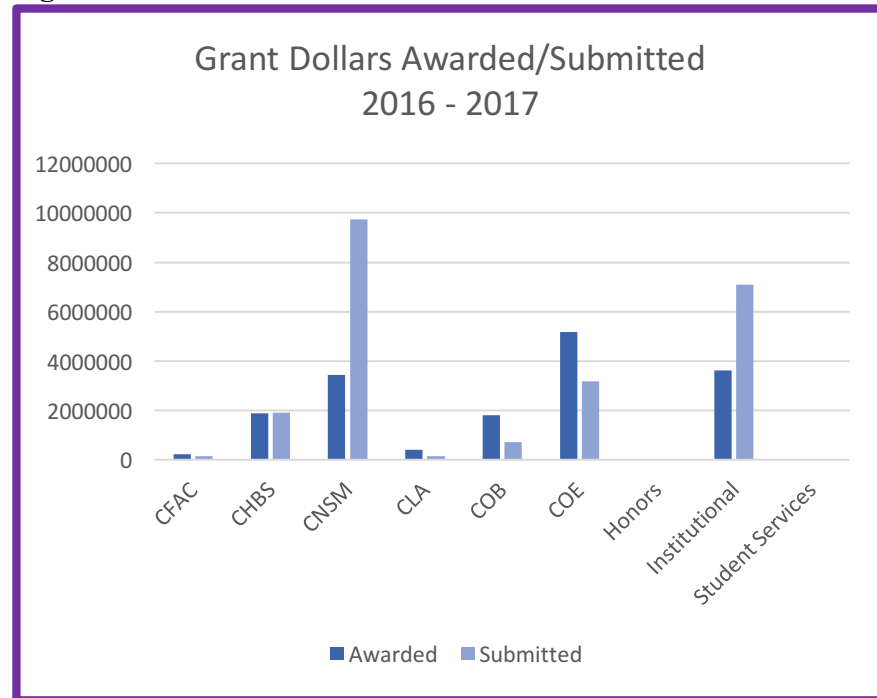


Figure 3: Grant Dollars Awarded and Submitted



UCA Research Compliance

Description

Research is the pathway to innovation in scientific and academic activities. In keeping with the core values of the University of Central Arkansas to maintain an atmosphere of intellectual excellence and integrity, the Office of Research Compliance provides support to faculty, students, and staff in their research endeavors. We work with faculty oversight committees to promote the ethical and responsible conduct of research in the realms of human and animal subjects' protections, conflicts of interest, intellectual property, and export control.

All members of the University community share responsibility for maintaining a climate of trust between scholars, researchers, and students, and between the academic community and the public. The Office of Research Compliance supports the Institutional Animal Care and Use Committee (IACUC) and the Institutional Review Board (IRB) to ensure that all institutional, state, and federal regulations are being followed, while at the same time developing a system wherein all UCA researchers have adequate tools, knowledge, and support to maintain the highest ethical and legal standards of research conduct.

Institutional Review Board (IRB)

All research activities involving human subjects conducted by faculty, staff, or students at the University of Central Arkansas are under the review and approval jurisdiction of the Institutional Review Board (IRB). This includes research development, preliminary investigation, pilot studies, testing and evaluation, interviews, observation, and surveys designed to contribute to generalizable knowledge.

In addition, all research involving University of Central Arkansas students, faculty, or staff conducted by an outside party is under the review and approval jurisdiction of UCA's IRB. It is the responsibility of the principal investigator to submit proposed research for approval in a timely manner and before recruiting subjects or collecting data.

There were 248 new human subject research applications processed during 2016–2017. The human subject research application is comparable to last year's figures.

Institutional Animal Care & Use Committee (IACUC)

All activities involving animals must be conducted in accordance with humane and ethical principles as established by federal laws, regulations, and guidelines pertaining to animal care and use. The University of Central Arkansas has an Animal Welfare Assurance on file with the Office of Laboratory Animal Welfare (OLAW), and, therefore, follows the Public Health Service (PHS) Policy on the Humane Care and Use of Laboratory Animals. The UCA IACUC uses an expedited review process when possible.

There was one (1) new animal subject protocol application during 2016–2017. This number of animal subjects protocol applications was less than that of the previous year's figures.