

# Matthew R. Bice, Ph.D.

## *Curriculum Vitae*

Updated: March 2024

### EDUCATION

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- Ph.D.**      *Southern Illinois University Carbondale* – Carbondale, Illinois  
**Degree:** Doctor of Philosophy – Health Education  
**Degree Date:** May 2013  
**Dissertation:** *Retrospective evaluation of factors that influence the implementation of C.A.T.C.H. in Southern Illinois*  
**Dissertation Chair:** Stephen Brown, Ph.D.
- M.S.**      *The University of Texas of the Permian Basin*  
**Degree:** Master of Science – Kinesiology  
**Degree Date:** May 2009  
**Thesis:** *Neuromuscular adaptations in elderly adults are task-specific during stepping and obstacle clearance tasks*  
**Thesis Chair:** James Eldridge, Ph.D.
- B.S.**      *The University of Texas of the Permian Basin*  
**Degree:** Bachelor of Science  
**Major:** Kinesiology  
**Degree Date:** May 2007

### ADMINISTRATIVE EMPLOYMENT

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- Baker University**      Baldwin City/Overland Park, Kansas  
2022 – Present      **Dean, Graduate and Online Education (Baker Online)**  
School of Professional & Graduate Studies  
Graduate School of Education  
Appointed February 1, 2022 – Present
- University of Nebraska at Kearney**      Kearney, Nebraska  
2019 – 2022      **Associate Dean for Graduate Studies & Academic Outreach**  
April 2, 2019 – January 24, 2022  
2018 – 2021      **Director of Research Compliance**  
August 1, 2018 – May 15, 2021  
2020 – 2021      **Director of Undergraduate Research and Creative Activity**  
January 2, 2020 – March 1, 2021  
2018 – 2019      **Interim Associate Dean for Graduate Studies**  
August 1, 2018 – April 2, 2019

## **EMPLOYMENT HISTORY**

|   |  |                      |
|---|--|----------------------|
| <b>Baker University</b><br>2022 – present                       | <b>Professor</b>   | Baldwin City, Kansas |
| <b>University of Nebraska at Kearney</b><br>2018 – 2022         | <b>Associate Professor</b> (Tenured awarded – August 2019)<br>College of Education<br>Department of Kinesiology and Sport Sciences | Kearney, Nebraska    |
| 2013 – 2022   | <b>Graduate Faculty</b><br>University of Nebraska Graduate College   |                      |
| 2013 – 2018   | <b>Assistant Professor</b><br>College of Education<br>Department of Kinesiology and Sport Sciences                                 |                      |
| <b>Southern Illinois University – Carbondale</b><br>2010 – 2013 | <b>Program Evaluator</b><br>Center for Rural Health and Social Service Development   | Carbondale, Illinois |
| 2009 – 2010   | <b>Research Assistant</b><br>Public Health Education and Promotion   |                      |

## **BAKER UNIVERSITY**

Baldwin City/Overland Park, Kansas

### **Dean, Graduate and Online Education (February 2022 - present)**

Supervisor: Dr. Lynne Murray, President  
University profile: Private University

### **Management and Infrastructure:**

- Represent Baker University, Graduate and Online Education reporting directly to the President.
  - President’s Executive Cabinet – Member
  - Dean’s Council – Chair
  - President’s Cabinet – Member
- **Chief Academic Officer** for the Graduate and Online Education
  - Unit leader for the School of Professional and Graduate Studies & Graduate School of Education (Associates, Bachelor, Masters, & Doctorate programs).
  - Lead academic quality assurance for graduate & online programs. Review, edit, and assist in all proposals for new programming or changes to existing programs and usher proposals through faculty governance.
- **Chief Enrollment Officer** for the School of Professional and Graduate Studies, Graduate School of Education, and School of Nursing.
  - Corporate partnerships, Customer Relationship Management (CRM), Data reporting, & Strategic Enrollment Management Planning.
- **Budget:** Hold authorization for accounts that exceed \$4,400,000.

- **Accreditation:**
  - *Higher Learning Commission:* Oversaw efforts related to the units I lead toward addressing recommendations and mid-cycle review for Criterion 3 (Teaching and Learning: Quality Resources, and Support) (2022 – present).
  - *Council for the Accreditation of Educator Preparation (CAEP):* Oversaw the accreditation site-visit (Oct 2023) and lead ongoing efforts for accreditation (2023 – present).
  - *Accreditation Council for Business Schools and Programs (ACBSP)* (2022 – present).
- **Faculty services:** Oversee faculty recruitment, professional development, strategic pedagogy enhancement, scholarship, instructional review, & prior learning equivalence assessment.
- **Student Services:** Oversee academic advising, career coaching, student success resources, & course resources.
- **Online Educational Resources (OER):** Manage and negotiate Baker 360°, which is a fully OER initiative for faculty and student textbooks and learning resources.
- **Advancement:** Collaborate on sponsored initiatives with the Office of Advancement on initiatives to enhance and grow efforts related to graduate and online education.
  - Led all efforts in a building renovation and technology integration including a recording studio for faculty and students.

#### *Program / Curricular Development*

##### *New Academic Programming*

- Master of Science in Sport Management
  - 4 + 1 Pathway (In Governance 2024)
- Master of Arts in Education
  - 4 + 1 Pathway (2024)
- Bachelor of Science
  - Interdisciplinary Studies (2023)
- Bachelor of Business Administration: Restructure & update foundation/core courses of the program for degree vitality (2022)
- Bachelor of Business Administration
  - Sport Management (2022)
  - Human Resource (2022)
  - Organizational Management (2022)
  - Project Management (2023)
- Master of Business Administration
  - Data Analytics (2022)
  - Venture and Innovation Development (2022)
  - Transformational Studies (2022)
- Created a Dual Degree format between the Master of Business Administration, Master of Arts in Organizational Leadership, Master of Science in Sport Management, and Master of Science in Nursing (2023)

##### *Nurtured the Assessment & Restructure of Programs*

- Master of Business Administration (2022): Align admission processes with other graduate programs in SPGS and updated foundational and course courses.
- Master of Arts in Organizational Leadership Program Review (2023): Restructured program reducing credit hours from 36 to 30 and updated course content.
- Master of Science in Sport Management Program Review (2023): Restructured program reducing credit hours from 33 to 30 and updated course content.

#### *Faculty Initiatives*

- Professors of Practice: Created and implemented a new faculty model for adjuncts by packaging course/service workload for part-time faculty members by aligning with traditional faculty standards.
  - 2023 – 2024: 6 Professor of Practice positions
  - 2022 – 2023: 6 Professor of Practice positions were created (Inaugural year)
- Professional development workshops were implemented to enhance online pedagogy in accelerated 6 and 7-week course formats.
  - 2023 – 2024: 4 Professional development workshops.
  - 2023 – 2024: Campus wide Fall Conference: Online Pedagogical approaches and technology integration.
  - 2022 – 2023: 4 Professional development workshops.
- Vital Source – Facilitated the integration of a new electronic book (text) company resulting in significant savings (2022).

#### *Student Initiatives*

- Facilitated the reimagined interactive online orientation to help familiarize students with Moodle (online education platform), academic advising process, and available student services (2022 - 2023).
- Led the negotiation and facilitated the implementation of TutorMe, which is an online tutoring service for online students (2023).
- Facilitated the implementation of Handshake: Career Services Tools for online students and Maxient as an archival data manager for student recording (2022-2023).
- Created the SPGS undergraduate Dean’s list to recognize online students (2023).

#### *Online and Graduate Enrollment Management*

- Supervise and lead the Strategic Enrollment Management Plan for the School of Professional and Graduate Studies, Graduate School of Education, and School of Nursing (2022).
- Lead the implementation of Salesforce (CRM) for all online and graduate education programs from inquiry to graduation (2022 – present).
- Strategize, develop, and foster partnerships for enrollment pipelines:
  - 2022 – present: 11 Corporate Partnerships

#### *Key Accomplishments*

- 2023 – Kansas City Business Journal: Top 5 MBA program
- 2023 – Council for the Accreditation of Educators (School of Education)
- 2023 – US News and World Report: Online Programs Ranking

- Bachelor: Overall = #176      Veteran = #127      Business = #127
- Bachelor: #3 in Kansas
- MBA: Overall = #261      Kansas = #6
- 2022 – Accreditation Council for Business Schools and Programs (ACBSP) was obtained for the first time in the School of Professional and Graduate Studies at Baker University
- 2022 – University HQ: Baker University Best Business Master’s Degree in Kansas (#3)
- 2022 – University HQ: Baker University Best Online University in Kansas (#4)

**THE UNIVERSITY OF NEBRASKA AT KEARNEY**      Kearney, Nebraska

**Associate Dean for Graduate Studies & Academic Outreach (2018 – 2022)**

Supervisor: Dr. Mark R. Ellis, Dean for Graduate Studies

University Profile: Public University

**Management and Infrastructure:**

- Lead quality assurance for academic programs. Review, edit, and assist in crafting all new proposals for new graduate programs or changes. Usher proposals through the process of approval.
- Manage the implementation of professional development opportunities students and faculty.
- Led the Office Undergraduate Research and Creative Activity, which includes the implementation of the Undergraduate Research Fellows program, Summer Student Research Program, & Work-study Research Assistant Program. Manage all personnel and budgets within the office.
- Previously directed strategic academic initiatives for the university namely, PAWS University, O.N.E. Loper, and College Park.
- Co-developed Research Week, a campus-wide showcase of research accomplishments and work of faculty, undergraduates, and graduate students.
  - Research Week 2020: Due to public health concerns (Coronavirus), co-led the movement of Research Week to an online platform with over 170 online presentations and 1,400 research posts over a weeklong event.
- Led and oversaw research compliance efforts by directing the Institutional Review Board (IRB) and Institutional Animal Care and Use Committee (IACUC). Efforts included all stages of review and approval. Co-lead biohazard compliance, export controls, conflict of interest, and data security.
- Represented UNK as a co-lead on the Federal Relations team, developing system priorities for federal allocations concerning research, student support, etc.

**Office of Graduate Studies Key Accomplishments 2018 – present.**

*New Program / Curricular Development*

- Master of Arts, Public Communications (2020)
- Master of Science, Health Sciences (2021)
- Undergraduate 2 + 2 Criminal Justice Pathway program (2021)
- Master of Arts, Public History (Coordinating Commission review/defense Fall 2022)

*Nurtured the assessment & restructure of the following programs*

- Master of Science in Education, Science/Math Education (STEM Education)

- Master of Arts, English (Online)
- Master of Arts in Education, Curriculum and Instruction (Reading for International Educators concentration)
- Master of Arts in Education, General Kinesiology and Sport Sciences (Coaching concentration)
- Master of Science in Education, Speech – Language Pathology (Online cohort)

#### *UNK Online*

- Organize and lead the day-to-day activities of office unit that serves all online programming for UNK.
- Orchestrate student engagement plans including marketing materials for potential students, retention plans, and strategies to reach students for continuing education.
- Lead and organize the efforts of online academic program coordinators and career coaches.
- Facilitate instructional design services for faculty on new courses, updating existing courses and implementing trainings to enhance online delivery.

#### *Additional Key Accomplishments*

- Fall 2021: 15% increase of completely online students.
- Created the Student *Professional Development Academy* (2018 – 2022).
- Created the Graduate Studies & Academic Outreach Newsletter:  
*Chronicles of Graduate Studies* (2020 – 2022)
- Created a peer-reviewed graduate student scholarly journal:  
*Graduate Review* (2021 – 2022)
- Created the Graduate Studies Handbook serving as the Standard Operating Procedures for the office.
- Designed and implemented an online graduate orientation in response to COVID-19.

#### **Funding**

- Successfully secured funding (\$1,154,164) for a competitive, internal Graduate Research Assistant program, which created 14 new two-year GRA lines over 5 years (4.10.19 – 6.30.24).

#### **Director of Research Compliance (2018 – 2021)**

Supervisor: Dr. Richard Mocarski, Assistant Vice Chancellor for Research (2018 – 2021)

#### *Institutional Review Board (IRB) Director.*

- Oversaw the daily operations of the IRB.
- Co-authored a new in-person research protocol in response to COVID-19.
- Co-authored a new universal campus research noncompliance policy that encompasses both human and animal researchers.
- Managed an efficient process of protocol reviews including less than one week to review exempt protocols, less than 10 days to review expedited protocols, and less than 2 weeks to review full-board protocols.
- Reviewed all exempt proposals, change in protocols, and shared jurisdiction research.

- Wrote all post-review correspondence including approval, change of protocol, and continuing review (annual update) letters, as well as letters explaining requisite modifications and/or information required for approval. Communicate all explanations of disapproved protocols to in written correspondence.
- Led all reports and updated information to external and/or internal sources including Office for Human Research Protections (OHRP) in the event of serious or continuing non-compliance.

*Institutional Animal Care and Use Committee (IACUC) Director.*

- Oversaw the daily operations of the IACUC.
- Participated in semi-annual animal lab inspections.
- Constructed annual and semi-annual OLAW reports.
- Developed of Standard Operations Procedures for Controlled Substances as they pertain to animal research.

*Research Development.*

- Member of the Research Advisory Council (RAC). The RAC serves to bolster and improve the research infrastructure and culture at UNK providing leadership through strategic planning and resource allocation, partnerships, programming, and infrastructure.
- As a RAC member, develop and lead UNK's partnership with the local public-school district. This includes the Research Exchange, which is a pipeline between researchers and public schools to (a) match research interests with school populations, (b) track research being conducted, and (c) serve as a monitoring system. Further the RAC orchestrated the move of summer camps for elementary aged students to the UNK campus. This partnership will benefit the local community, university faculty, and future college-bound students.

*Other Research Compliance*

- Assist in the regulation of *Export Controls* sharing information with foreign nationals, even those on campus including secure information, technology, biological and chemical agents, and other sensitive items from those who would use them to harm national security or economic interest.
- Evaluate *Hazardous materials* request and agreements between institutions for research as submitted to the Office of Research, Assistant Vice Chancellor for Research. Evaluation includes security and containment assessments, permits, and personnel security.

*Research Compliance Key Accomplishments 2018 – present.*

- Led UNK's first federal approval of its animal research program through the Office of Laboratory Animal Welfare (OLAW) Assurance (D-18-01025) approval (2018).
- Led transition toward the IRB New Common Rule (2018 – 2019) including standard operating procedures, review process, and campus education.
- Created SMART IRB (sIRB) agreement and led the transition.
- UNK (IRB00007458) Federal Wide Assurance – Renewal #FWA00015273 (January 9, 2020).

- sIRB – Led the efforts for compliance for Single IRB (January 20, 2020).

**Director of Undergraduate Research and Creative Activity (2020 – 2021)**

Supervisor: Dr. Richard Mocarski, Assistant Vice Chancellor for Research & Dr. Mark Ellis, Dean for Graduate Studies (2020 – 2021)

*Undergraduate Research Fellowship (URF).*

- The URF program is designed to create research opportunities for undergraduates to work on a student-driven project under the supervision of a faculty mentor.
- Oversight of \$500,000 annual operating budget

*Summer Student Research Program (SSRP)*

- The SSRP program supports independent student-driven research and scholarly activities during the summer months. The program is competitive and student projects are evaluated on research training, rigor, and impact.
- Oversight of \$250,000 annual operating budget.

*Undergraduate Research Journal*

- Served as the publisher and editor for student led scholarly works. The electronic journal is housed at UNK Calvin Ryan library.

*Undergraduate Research and Creative Activity Key Accomplishments 2020 – present.*

- URF: Participation increased 9.78% between Fall 2019 and Fall 2020.
- URF: 10 new faculty were recruited to mentor students in Spring 2020.
- Research Week 2020: 36% (n = 9) increase in oral presentations

Research Week 2020: 79.5% (101 of 127) of undergraduate students participated in the online version.

**Professional Achievement Workshops (PAWS) University (2018 – Present)**

Role: Serve on the executive team (Amy Nebesniak, Richard Mocarski, Matthew R. Bice) that brought PAWS to UNK

Program Role: Executive Committee; Research Coordinator

- PAWS University is a curriculum-based educational experience representing each academic college and various disciplines from across campus through the month of June. PAWS University work in collaboration with the local public schools and allows children to experience a college campus. The program focused on low-income students in order to help prevent the summer educational slide.

*PAWS University Key Accomplishments 2019 – present*

- Summer 2019 – 238 students (34 free/reduced lunch) representing 10 different school districts participating in 22 different classes/camps.
- Summer 2020 – Distributed 525 kits each week (4), totaling ~ 2,100 kits.
- Summer 2021 – Over 600 elementary aged students attended PAWS University.



### **College Park Initiative (2020 – 2022)**

Supervisor: Dr. Charles Bicak, Senior Vice Chancellor of Academic Affairs & Dr. Peter Longo, Associate Vice Chancellor of Academic Affairs.

- Facilitate the offerings of programs, courses, workshops, & seminars in Grand Island working with constituents from a local community college, business entities, and the needs of the community.
- Partnership was established September 2020 and offerings began Spring 2021.

### *College Park Key Accomplishments 2020 – present*

- In collaboration with Central Community College, our partnership was selected and awarded for the Equity Transfer Initiative. This effort focuses on updating/building pathway programs between institutions (AA/AS → BA/BS). I led UNK efforts for the grant (Awarded 1.17.21)
- 2 + 2 Criminal Justice program

### **Funding**

- Successfully awarded a grant (\$28,000) as Co-PI and institutional representative by the Equity Transfer Initiative between Central Community College (CCC) & University of Nebraska at Kearney Proposal #4867465. The grant was sponsored by American Association of Community Colleges (AACC), American Association of State Colleges and Universities (AASCU), & Association of Public and Land-grant Universities (APLU) (2021 – 2023).

### **Director of UNKconnection & O.N.E. Loper (2020)**

Supervisor: Dr. Mark Ellis, Dean for Graduate Studies, Dr. Peter Longo, Associate Vice Chancellor of Academic Affairs, Dr. Charlie Bicak, Senior Vice Chancellor of Academic Affairs

- In the wake of the novel pandemic, UNKconnection assisted students by providing the necessary student services to be successful in an online setting including access to campus activities, educational events, workshops, and student engagement opportunities.
- The O.N.E. Loper (Online Networking Experience) project is a subsection of UNKconnection, focusing on providing first year students a curriculum-based menu of online general studies courses. The multidimensional learning environment aimed to harness traditional on campus activities, events, workshops, and student engagement opportunities in an online format.
  - The O.N.E. Loper project completed two cohorts Fall 2020.

## I. TEACHING

### Teaching Awards/Honors

#### University of Nebraska at Kearney

2017 *Faculty Mentor Award Undergraduate Research* - College of Education (Awarded)

2014 *Faculty of the Month - Interfraternity Council* (April) (Awarded)

#### Baker University

2022 – present

| <u>Courses Taught</u>                                     | <u>Credit hour(s)</u> |
|---|-----------------------|
| DED 9900 Dissertation Development (Continuous Enrollment) | 20+                   |

#### University of Nebraska at Kearney

2013 – 2022

Average Teaching Score **4.799/5.0**

| <u>Courses Taught</u>                                | <u>Credit hour(s)</u> |
|--|-----------------------|
| PE 310 Intro to Physiology of Exercise Lecture & Lab | 3                     |
| PE 388 The Science of Play Online Course             | 3                     |
| PE 467/867 Fitness Testing Lecture & Lab             | 3                     |
| PE 475 Research Methods in Ex. Sci Lecture           | 3                     |

### Description of Courses Taught

**PE 310: Introduction to Human Physiology of Exercise.** Provides a foundation of scientific basis for understanding the body's anatomical structures and physiologic responses to acute exercise, as well as its adaptations to chronic exercise (with laboratory).

**PE 388: The Science of Play.** This course is designed to introduce the interaction between neuroscience and physical activity (play). An interdisciplinary experience where students apply the knowledge, cognitive abilities, and communication skills they have gained from General Studies in designing and completing an original project or paper. Students employ methods and interpretive means of two or more disciplines to integrate knowledge and synthesize their results.

**PE 467 / 867: Fitness Testing.** Techniques and theory of testing for personal fitness. Measures include vital capacity, body density, stress testing, aerobic and anaerobic fitness (with laboratory). This course is taught at the undergraduate and graduate student level.

**PE 475: Research Methods in Exercise Science.** This course is designed to introduce advanced undergraduate students to the processes of research in the field of Exercise Science including the processes of finding, reading, and understanding Exercise Science research; data collection, data analysis; and data interpretation.

### Undergraduate Advisement/Mentoring

#### University of Nebraska Kearney

|             | <u>Advisees</u> | <u>Enrolled Students</u> |
|-------------|-----------------|--------------------------|
| 2019        | 33              | 29                       |
| 2018 – 2019 | 35              | 32                       |

|             |    |    |
|-------------|----|----|
| 2017 – 2018 | 29 | 25 |
| 2016 – 2017 | 41 | 33 |
| 2015 – 2016 | 51 | 41 |
| 2014 – 2015 | 61 | 54 |
| 2013 – 2014 | 21 | 21 |

*Note: Departmental advising halted after appointed administrative position (1.2.2020)*

### **Graduate Advisement/Mentoring**

#### *Doctoral Graduate Students*

|  |                |
|--|----------------|
| Carrie E. Marcantonio. Doctoral Dissertation Committee<br>Baker University<br>“Exploring the Academic Identity Development of Black Male High School Students.”  | 2023 – present |
| Satera Nelson. Doctoral Dissertation Chair<br>University of Nebraska Medical Center; Medical Sciences Interdepartmental Area   | 2020 – present |
| John P. Rech. Doctoral Supervisory Committee<br>University of Nebraska at Omaha<br>“Early Childhood Education Based Physical Activity, There is More To It Than Just Counting Children’s Steps.”                           | 2021 – 2023    |
| Chelsea Feusner. Doctoral Dissertation Committee<br>University of Nebraska (Educational Administration)<br>Project: “Implementation of the MTSS process in Kearney Public Schools.”  | 2017 – 2020    |
| Eric Wiedenman. Doctoral Dissertation Committee<br>Southern Illinois University – Carbondale<br>Project: “A Retrospective Examination of Resiliency and Self-efficacy among high school sport and non-sport participants.” | 2017 – 2020    |

#### *Masters Graduate Students*

|  |                |
|--|----------------|
| Megan Johnson. Masters Thesis Supervisory Committee<br>University of Nebraska at Omaha<br>Thesis: Early Childhood Provider Health and Wellness (TBD) | 2020 – present |
| Jada Ruff. Graduate Assistant Supervisor<br>The University of Nebraska at Kearney  | 2020 – 2022    |
| Lauren Schleif. Graduate Assistant Supervisor<br>The University of Nebraska at Kearney   | 2020 – 2022    |
| Breanna Redl. Graduate Assistant Supervisor  | 2020 – 2022    |

The University of Nebraska at Kearney

- Claire Vanness. Graduate Research Assistant Co-Supervisor  
The University of Nebraska at Kearney 2020 – 2022
- Luke Rogers. Masters Thesis Supervisory Committee  
University of Nebraska at Kearney 2019 – 2022  
Thesis: Survey of American Bison
- Cody Willmore. Masters Thesis Supervisory Committee  
University of Nebraska at Kearney 2018 – 2022  
Thesis: “Aquaponics: A study assessing growing patterns”
- Jourdan Ringenberg. Masters Thesis Supervisory Committee  
University of Nebraska at Kearney 2017 – 2019  
Thesis: “The impact of crop fields on spatial distribution of the eastern cottontail (*Sylvilagus floridanus*) in South-Central Nebraska.”
- John P. Rech. Masters Thesis Supervisory Committee  
University of Nebraska at Kearney 2017 – 2019  
Thesis: “Motivated to move: An application to older adults and motivation to be physically active.”
- Tyler Patterson. Masters Thesis Supervisory Committee  
University of Nebraska at Omaha 2017 – 2019  
Thesis: “College Athletes’ Sport Participation: An Examination of Motivational Differences between Collegiate Athletes of various Divisions.”

**Undergraduate Research Mentoring**

*Undergraduate Research Fellowship recipients are denoted by †*

**The University of Nebraska at Kearney**

- Eli ODey.† 2021 – 2022  
Project: “Assessing fitness qualities in Division II women’s soccer players”
- Jake Ellis.† 2021 – 2022  
Project: “History and Evolution of Nebraska Golf”
- Derek Elton.† 2020 – 2022  
Project: “Correlation between Health Professionals Health Behaviors and Professional Expectations”  
\*2021 Student Summer Research Program Recipient
- Bella Whiston.† 2020 – 2022  
Project: “The intrinsic and extrinsic factors that affect a female women’s soccer players motivation to participate in rehabilitation process post-injury”

|  |             |
|--|-------------|
| Katie Unvert. <sup>‡</sup>   | 2017 – 2020 |
| Project: “Athlete identification: An assessment of motivation & physical activity in an adult population”<br>“Aquaponics – A Teaching Model for Health”  |             |
| Paula Zakrzewski. <sup>‡</sup>   | 2017 – 2019 |
| Project: “Aquaponics: A Segway to Health, Science, and Wellness”<br>“Exercise and Temporal Food Choices (EAT-FC)”  |             |
| Tyan Boyer. <sup>‡</sup>   | 2018        |
| Project: “Aquaponics: Assessment of physical activity while gardening”<br>Co-mentored with Dr. Angela Hollman<br>*2018 Rural Futures Institute Student Serviceship Recipient<br>*Only participated in Fall 2018 semester |             |
| Natasha Ashley.  | 2017 – 2018 |
| Project: “Exercise and Temporal Food Choices (EAT-FC)”   |             |
| Collin Fleecs. <sup>‡</sup>  | 2016 – 2018 |
| Project: “Sleep’s effect on Physical Performance”<br>*2017 & 2018 Rural Futures Institute Student Serviceship Recipient  |             |
| Jillian Rocheford. <sup>‡</sup>  | 2016 – 2018 |
| Project: “Environmental influence during rehabilitation”   |             |
| Kylie Kenedy. <sup>‡</sup>   | 2016 – 2018 |
| Project: “Perceived Body Composition: Perception vs. Reality”  |             |
| Elenna Leininger. <sup>‡</sup>   | 2015 – 2018 |
| Project: “Exercise Motivation among college students (Intramurals)”  |             |
| Alex Liess. <sup>‡</sup>   | 2015 – 2016 |
| Project: “Muscle Activation among various gait tasks”  |             |
| Skyler Jorgensen. <sup>‡</sup>   | 2014 – 2015 |
| Project: “Rehabilitation Motivation post Shoulder Surgery”<br>*2015 Student Summer Research Program Recipient  |             |
| Traci Turek. <sup>‡</sup>  | 2014 – 2015 |
| Project: “Physical Activity Motivation among Sororities and Fraternities”  |             |

**Mentoring of New Teaching Faculty**

|                  |                                 |             |
|------------------|---------------------------------|-------------|
| Erin Sweeney     | Annual Review (Portfolio) Chair | 2021 – 2022 |
| Aliisa Criffield | Annual Review (Portfolio) Chair | 2021 – 2022 |
| Rob Leonard      | Annual Review (Portfolio) Chair | 2017 – 2019 |

**Teaching – Workshops/presentations focused on improvement of teaching or innovative pedagogical approaches**

- 2020 *Design Plus – Canvas* June 2, 2020  
Instructed by Steven McGahan  
Sponsored by eCampus, University of Nebraska at Kearney  
Online Training
- Remote Student Presentations* April 22, 2020  
Instructed by Steven McGahan  
Sponsored by eCampus, University of Nebraska at Kearney  
Online Training

**Teaching – Mentorship**

- Mortar Board – Advisor 2021 – 2022  
Senior Advisor 2016 – 2021

*Description:* Mentor a group of selected students (~28 students per year) on service projects, career development, and leadership opportunities. Activities include volunteering at local elementary schools, write letters of support to military personnel around campus, host faculty appreciation events, initiate freshman/sophomore recruitment, among others. Further, as the senior advisor, I facilitate bi-monthly meetings through the school year.

**II. SCHOLARSHIP**

**Scholarship Awards & Honors**

University of Nebraska at Kearney

- 2019 *Nominated for Pratt-Heins Excellence in Scholarship Award (Not Awarded)*  
2018 *Nominated for Pratt-Heins Excellence in Scholarship Award (Not Awarded)*  
2018 *Great Plains Fellow, Center for Great Plains Studies (Awarded)*  
2015 *New Frontiers Magazine Recognition of Faculty Research (Awarded)*  
2015 *College of Education Outstanding Research Award (2014-2015) (Awarded)*

**Research Projects (alphabetical order)**

My research agenda focuses on the following main areas: **1.)** School health obesity prevention treatment interventions **2.)** Evaluation of health education programs, and **3.)** Behavior change: Determinants of physical activity and nutrition including psychological, physiological, and social influences.

**Aquaponics growing systems:** Aquaponics systems are self-sufficient systems that can produce fruit, vegetables, and fish. These systems can produce food all year long and our efforts include using these systems as a health/science teaching model in middle schools. Our research group examines the process and impact of implementation in rural communities.

**Educational Camps:** Through collaborating with Kearney Public Schools, the University of Nebraska at Kearney organizes a local elementary-aged summer camp (PAWS University).

PAWS University is a curriculum-based educationally structured summer camp hosted on the UNK campus. This is a service project with potential research opportunities.

**Health Behaviors.** Health encompasses various dimensions, and my work focuses on physical activity and nutrition behaviors. Understanding these behaviors and the over impact is a valuable tool that can be used in public and community health.

**Skills for Success:** Health and Physical Education is diminishing across the country. My efforts focus on fundamental movement patterns and its impact on children's health and wellbeing. Our research group is interested in examining alternative means and more strategies to implement physical education/physical activity components within elementary classrooms.

### **Refereed International / National Journal Publications**

Student coauthors are denoted by \*

1. Dinkel, D., Lujan, C., Johnson, Dyksterhuis, D., Armstrong, J., Hongying, D., Qui, F., & **Bice, M.** (2023). Feasibility of a mental wellbeing program for rural family childcare home providers. *Early Childhood Education Journal*. [data-based] DOI: [10.1007/s10643-023-01508-5](https://doi.org/10.1007/s10643-023-01508-5)
2. Wiedenman, E., Kruse-Diehr, **Bice, M.**, McDaniel, J., Wallace, J., & Partridge (2023). The role of sport participation on exercise self-efficacy, psychological need satisfaction, and resilience among college freshmen. *Journal of American College Health*. [data-based] DOI: [10.1080/07448481.203.2177817](https://doi.org/10.1080/07448481.203.2177817)
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42. Ball, J., **Bice, M.R.**, & Adkins, M. (2015) Qualitative Assessment of an Electronic Activity-Tracking Device: Strengths, Weaknesses, and Considerations in Behavior Change Interventions for Health Educators. *The Health Educator*, 47(1), 20-26.
43. Brown, G., **Bice, M.R.**, Shaw, B., & Shaw, I. (2015). Online Quizzes Promote Inconsistent Improvements on In-Class Test Performance in Introductory Anatomy & Physiology. *Advances in Physiology Education*, 39(2), 63-66. DOI: [10.1152/advan.00064.2014](https://doi.org/10.1152/advan.00064.2014)
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51. **Bice, M.R.**, Hanson, N.J., Renshaw, D., Eldridge, J., Reneau, P., Powell, D. (2011) Neuromuscular adaptations in elderly adults are task-specific during stepping and obstacle clearance tasks. *International Journal of Exercise Science*, 4(1), 278-86.
52. Renshaw, D., **Bice, M.R.**, Cassidy, C., Eldridge, J., Powell, D. (2010) A comparison of three computer-based methods of determining EMG signal amplitude. *International Journal of Exercise Science*, 3(1), 44-48.

### **Guest Editor**

1. International Journal of Environmental Research and Public Health  
Special Issue: *Promotion of Physical Activity in Early Childhood* (2021).  
Guest Editors: Danae Dinkle, **Matthew R. Bice**, Kyong-Ah Kwon

### **Invited Refereed Publications**

1. **Bice, M.** (2015). Predictions of Adult Physical Activity: Fact or Fiction. *AGON – International Journal of Sport Sciences*, 5(1), 3-6. [Invited]

### **Manuscripts in Review**

- Nebesniak, A., Johnson, C., **Bice, M.**, & Mocarski, R. Engaging and Learning At Home: Analysis of a Summer Camp During COVID. *Journal of Youth Development (Submitted 1.22.24)*. [data-based]

- Elton, D. W., **Bice, M.**, & Adkins, M. Physical activity motivation and body mass index among pre-health students. *American Journal of Health Studies* (Submitted 8.25.23). [data-based]
- Elton, D., **Bice, M.**, Orr, T. & Adkins, M. Athletic Identity: An assessment of motivation & physical activity. *Journal of American College Health* (Submitted 12.27.23). [data-based]

### **Manuscript(s) in Process**

- Dinkel, D., Lujan, C., Johnson, Dyksterhuis, D., Armstrong, J., & **Bice, M.** Feasibility of using Fitbits with Childcare Providers in Rural Family Childcare Homes. *Health Expectations*. [data-based]
- Dinkel, D., Lujan, C., Johnson, J., Dyksterhuis, D., Armstrong, J., & **Bice, M.** Feasibility of using Fitbits with Childcare Providers in Rural Family Childcare Homes.
- Mocariski, R., **Bice, M.**, Nebesniak, A., & Moore, T.\* Positive College Perceptions: The Impact of a Curriculum-based Summer Camp’s Transition. [data-based]
- **Bice, M.**, Ball, J., & Adkins, M. Pilot study: Innovation perceptions & motivation to implement an after-school health program in rural Nebraska. [data-based]

### **Refereed International / National Presentations**

\* Denotes student author

† Denotes peer reviewed

‡ Denotes presenter responsibilities

1. Ross, E., **Bice, M.**, Haller, C., Brinkoetter, T., & Valverde, A. [panel] The next 20 years wont look like the last 20 – Preparing for success in the new enrollment management world.  
RNL National Conference  
Nashville, TN July 25 – 29, 2023
2. Elton, D., **Bice, M.**, & Adkins, M. (2023). [poster presentation] Assessing relationships between physical activity motivation and body mass index among undergraduate pre-health students.  
American College of Sports Medicine  
Denver, CO May 30 – June 2, 2023
3. Dinkel, D., Lujan, C., Dyksterhuis, D., Armstrong, J., **Bice, M.**, & Johnson, J. (2023). [oral presentation] Feasibility of the HERE program for rural family childcare homes early childhood education professionals.  
Society of Behavioral Medicine Annual Meeting  
Phoenix, AZ (April 26, 11:00am) April 26 – 29, 2023

4. Lujan, C., Dyksterhuis, D., Armstrong, J., **Bice, M.**, Johnson, J., & Dinkel, D. (2023). [poster presentation] Feasibility of using Fitbits with early childhood education professionals in rural family childcare homes. Society of Behavioral Medicine Annual Meeting  
Phoenix, AZ (April 29, 11:00am) April 26 – 29, 2023
5. Maljak, M., Ball, J., **Bice, M.**, Thomas, E., Ramirez, A., & Palma Barraza, M (2022). [poster presentation] Use of technology to monitor physical activity levels among college students. Society of Health and Physical Educators National Convention  
Seattle, WA March 28 – April 1, 2022
6. Elton, D. <sup>\*†</sup>, **Bice, M.**, Artman, B., & Orr, T (2022). [poster presentation] Midwestern Athletic Coaches' Personal and Professional Media Usage Society of Health and Physical Educators National Convention  
Seattle, WA March 28 – April 1, 2022
7. Dinkel, D., Lujan, C., Dyksterhuis, D., Armstrong, J., **Bice, M.**, & Johnson, J. <sup>†</sup> (2022). HERE for You, For Them: Initial lessons learned from a wellbeing program for early childhood education professionals in rural family childcare homes. International Society of Behavioral Nutrition & Physical Activity Annual Meeting  
Phoenix, AZ May 18-21, 2022
8. Elton, D., **Bice, M.**, Ball, J., Gage, R., Orr, T. <sup>†</sup> (2022). Athletic Identity: How do you identify? Society of Health and Physical Educators 2021 National Conference  
New Orleans, LA April 29, 2022
9. Dinkel, D., Rech, J.P., Julius, D., Hannah, N., Baumann, J., & **Bice, M.** <sup>†</sup> (2022). Development of a rural childcare provider advisory board for health and wellbeing using a collaborative cycle model. Society of Behavioral Medicine  
Baltimore, MD April 6-9, 2022
10. Dinkel, D., Rech, J.P., Guo, Y., **Bice, M.**, Hulse, E., Behrends, D., Burger, C., & Dev, D. <sup>†</sup> [oral presentation] Examining differences in achievement of physical activity best practices between urban and rural childcare facilities by age. International Society of Physical Activity and Health.  
Vancouver, BC (Virtual) October 12-14, 2021
11. Wiedenman, E., **Bice, M.**, Kruse-Diehr, A., McDaniel, J. & Wallace, J. <sup>†</sup> [oral presentation] The role of sport participation on exercise self-efficacy, psychological need satisfaction, and resilience. American Public Health Association 2021 Annual Meeting & Expo.  
Denver, CO (& Virtual option) Oct 24-27, 2021

12. Orr, T., Ball, J., Gage, R., **Bice, M.**<sup>†‡</sup>, & Unvert, K.<sup>\*</sup> Traditional vs. Non-Traditional Sport: Leverage for High Schools.  
2021 Hawaii International Conference on Education (Virtual Conference)  
Honolulu, HI January 6, 2021
  
13. Maljak, K., Ball, J., **Bice, M.**, Calambas, M.<sup>\*</sup>, Chase, T.<sup>\*</sup>, Crost, C.<sup>\*</sup>, Palma, M.<sup>\*</sup>, Ramirez, A.<sup>\*</sup>, & Ortega, M.<sup>\*†</sup> The Effects of High School Physical Education, Sport, Recreation, and Technology on College Students' interest Physical Activity Levels.  
Society for Health and Physical Educators National Conference - Student Works in Progress Poster Presentation<sup>c</sup>  
Salt Lake City, UT April 23, 2020
  
14. Unvert, K.<sup>\*</sup>, Hollman, A., Meyer, D., Ringenberg, J.<sup>\*</sup>, & **Bice, M.**<sup>†</sup> Aquaponics: Do classroom projects only help students?  
National Council for Undergraduate Research (NCUR) National Conference  
Kennesaw, Georgia April 12, 2019
  
15. Zakrzewski, P.<sup>\*</sup>, Hollman, A., Meyer, D., Ringenberg, J.<sup>\*</sup>, & **Bice, M.**<sup>†</sup> Aquaponics: Is it really ALL about the students?  
National Council for Undergraduate Research (NCUR) National Conference  
Kennesaw, Georgia April 13, 2019
  
16. Ball, J., **Bice, M.**, Hollman, A., Meyer, D., & Ringenberg, J.<sup>\*†</sup> How to use a growing system to teach health education.  
Society of Health and Physical Educators (SHAPE) America 2019 National Conference  
Tampa, Florida April 9 – 13, 2019
  
17. Adkins, M., Hollman, A., **Bice, M.**, Rech, J.P.<sup>\*</sup>, & Becker, B.<sup>†</sup> The STEM of Academics is Physical Education.  
Hawaii International Conference on Education  
Honolulu, Hawaii January 5 – 8, 2019
  
18. Bickford, N., **Bice, M.**, Ringenberg, J.<sup>\*</sup>, Hollman, A., Meyer, D., Ball, J., Wiedenman, E.<sup>\*</sup>, Bickford, S.<sup>†</sup> Aquaponics: An innovative teaching model for science education.  
UArctic Congress  
Helsinki, Finland September 6, 2018
  
19. Study, K.<sup>\*</sup>, Akehi, K., Noeldner, F., Ryan, W., **Bice, M.**, & Unruh, S.<sup>†</sup> The Rate of Atrophy and Hypertrophy of the Quadriceps and Hamstring Muscles after the ACL Reconstruction Surgery and during Rehabilitation: Preliminary Study.  
National Athletic Trainers Association National Convention  
New Orleans, LA June 26-28, 2018
  
20. Unvert, K.<sup>\*</sup>, Ringenberg, Meyer, D., Bickford, N., Hollman, A., Bickford, S., **Bice, M.**<sup>†</sup>  
[poster presentation]  
Aquaponics: An innovative approach to teaching Health.

National Conference for Undergraduate Research 2018  
Edmond, OK

April 4 – 7, 2018

21. Fleecs, C.\* & **Bice, M.**<sup>†</sup> [poster presentation]  
Sleep Deprivation: Effects on Peak Power (Anaerobic Capacity)  
National Conference for Undergraduate Research 2018  
Sleep Deprivation: Effects on Peak Power (Anaerobic Capacity)  
Edmond, OK  
April 4 – 7, 2018
22. Adkins, M., **Bice, M.**, Dinkel, D., & Rech, J.P.\*<sup>†</sup> [poster presentation]  
Leveling the playing field: Assessment of gross motor skills of low socioeconomic children to their higher socioeconomic counterparts.  
Society of Health and Physical Educators (SHAPE) America 2018 National Conference  
Nashville, Tennessee  
March 20-24, 2018
23. **Bice, M.**, Ball, J., Wiedenman, E., Bickford, N., Bickford, S., Hollman, A., & Meyer, D.  
<sup>†‡</sup> [poster presentation]  
Aquaponics: An assessment of physical activity, nutrition, and health consciousness.  
Society of Health and Physical Educators (SHAPE) America 2018 National Conference  
Nashville, Tennessee  
March 20-24, 2018
24. Bickford, S., Waples, C., Hollman, A., **Bice, M.**, Brachle, B., Heikken-Moilanen, R., & Bickford, N.  
The multiple faces of CSR: An International comparison of a multidisciplinary view of CSR Best Practices based on stakeholder engagement and collective community values.  
Academy of International Business  
Dubai, United Arab Emirates (UAE)  
July 2 – 5, 2017
25. Bickford, S., Hollman, A., Torquati, J., Ramos, A., **Bice, M.**, & Bickford, N. [oral presentation]  
Assessing local food production and accessibility for community gardens in rural areas: Arctic and Beyond.  
The International Congress of Arctic Social Science (ICASS) IX 2017  
Umea, Sweden  
June 8 – 12, 2017
26. Bickford, N., Bickford, S., Lanteigne, M., **Bice, M.**, Rangelack, D., & Hollman, A. [oral presentation]  
The Village: Using high-tech for international multidisciplinary education of Indigenous sustainability.  
The International Congress of Arctic Social Science (ICASS) IX 2017  
Umea, Sweden  
June 8 – 12, 2017
27. Hollman, A., Torquati, J., Bickford, N., Bickford, S., & **Bice, M.** [oral presentation]  
Growing food and knowledge in the Arctic: Combining biological processes with the Internet of Things.  
The International Congress of Arctic Social Science (ICASS) IX 2017



Umea, Sweden

June 8 – 12, 2017

28. Bickford, S., Heikkinen-Moilanen, R-L., Lanteigne, M., Waples, C., Hollman, A., **Bice, M.**, Brachle, B., & Bickford, N. [oral presentation]  
A Multidisciplinary Assessment of Community Level Corporate Social Responsibility in rural communities.  
The International Congress of Arctic Social Science (ICASS) IX 2017  
Umea, Sweden June 8 – 12, 2017
29. Kasl, A., Akehi, K., Ryan, W., Unruh, S., & **Bice, M.**<sup>†</sup>  
Thigh Muscle Architecture Changes During a Soccer Season in Previously Injured and Non-Injured Female Athletes. *Med Sci Sport Exerc.* 49(5), 574.  
National ACSM Annual Meeting  
Denver, Colorado May 30 – June 3, 2017
30. Koehler, K., Blaskewicz Boron, J., Smith, T., Pinard, C., Lee, J.M., **Bice, M.R.**, & Stevens, J.<sup>†</sup> [poster presentation]  
Differential Relationships between Habitual Physical Activity and Consumption of Key Dietary Factors. *Med Sci Sport Exerc.* 49(5), 242.  
American College of Sports Medicine Annual Conference  
Denver, Colorado May 30 – June 3, 2017
31. Kenedy, K.\*, Rocheford, J.\*, & **Bice, M.**<sup>†</sup> [poster presentation]  
Perception of Body composition and wellness.  
National Conference for Undergraduate Research 2017  
Memphis, TN April 6-8, 2017
32. **Bice, M.**, Ball, J., & Turek, T.\*<sup>†‡</sup> [poster presentation]  
Health Technology Use: Implications for University Fraternity and Sorority members.  
Society for Public Health Education 2017 National Conference  
Denver, Colorado March 30 – April 1, 2017
33. Ball, J., Banas, J., & **Bice, M.**<sup>†‡</sup> [poster presentation]  
Understanding Health Care Brokering among Young and Middle-Aged Adults.  
Society for Public Health Education 2017 National Conference  
Denver, Colorado March 30 – April 1, 2017
34. Leininger, E.\*, Armajo, F.\*, DeVries, N.\*, Dull, C., Wiedenman, E.M.\*, Mollring, M., Akehi, K., Adkins, M., & **Bice, M.**<sup>†‡</sup> [poster presentation]  
Exercise Motivation, BMI, and Physical Activity Levels Among Intramural Students.  
*RQES* 88(1), A-35  
Society of Health and Physical Educators (SHAPE) America 2017 National Conference  
Boston, Massachusetts March 16, 2017
35. Adkins, M., **Bice, M.**, Batt, L., & Morse, W.<sup>†‡</sup> [workshop]  
50 Million Strong through State Collaboration (CSPAP, PAL, LMAS, PYFP). *RQES*

Society of Health and Physical Educators (SHAPE) America 2017 National Conference<sup>b</sup>  
Boston, Massachusetts March 15, 2017

36. Bickford, S., Hollman, A., Waples, C., **Bice, M.**, Brachle, B., & Bickford, N.  
Mobilizing sustainability: Legitimizing the existence of the Finnish dairy industry.  
Responsible Business Research Seminar  
Tampere, Finland March 16, 2017
37. Adkins, M., **Bice, M.**, Worrell, V., & Unruh, N. † [poster presentation]  
Keeping The Physical Educator “connected” - An examination of comfort level, usage  
and professional development available for technology integration in the curricular areas  
of physical education.  
2017 International Conference on Education Hawaii.  
Lahaina, Hawaii January 1-5, 2017
38. Reed, J.R., Yates, B.C., Struwe, L., & **Bice, M.R.** † [oral presentation]  
Impact of dietary self-monitoring on motivation, physical activity and weight loss in rural  
adults. 6<sup>th</sup> International Conference of Self-Determination Theory  
Victoria, British Columbia, Canada June 2-5, 2016
39. **Bice, M.**, Ball, J., Easton, H., & Coyle, B. †† [poster presentation]  
Impact evaluation of CATCH Kids Club in rural Nebraska.  
Society of Health and Physical Educators (SHAPE) America 2016 National Conference  
Minneapolis, Minnesota April 5 – 9, 2016
40. Adkins, M., **Bice, M.**, Bartee, T., Heelan, K.A., & Ball, J. †† [poster presentation]  
Fundamental Movement Pattern Changes of Participants Receiving Physical Activity  
Everyday.  
Society of Health and Physical Educators (SHAPE) America 2016 National Conference  
Minneapolis, Minnesota April 5 – 9, 2016
41. Ball, J., **Bice, M.**, & Adkins, M. †† [poster presentation]  
Adult BMI and Physical Activity of Participants who participated in sports.  
Society of Health and Physical Educators (SHAPE) America 2016 National Conference  
Minneapolis, Minnesota April 5 – 9, 2016
42. Reed, J.R., Yates, B.C., Struew, L., & **Bice, M.R.** † [oral presentation]  
Motivation and dietary self-monitoring in rural weight loss participants.  
40<sup>th</sup> Annual Midwest Nursing Research Society Conference  
Milwaukee, Wisconsin March 17-20, 2016
43. **Bice, M.**, Ball, J., Adkins, M., & Parry, T. †† [oral presentation]  
Retrospective evaluation of high school primary physical activities and adulthood  
physical activity need satisfaction.  
National Association for Kinesiology in Higher Education 2016 National Conference  
San Diego, California January 6 – 9, 2016

44. **Bice, M.**, Carey, J., Brown, G.A., Adkins, M., & Ball, J. <sup>†‡</sup> [oral presentation]  
 The use of mobile applications to enhance introductory anatomy & physiology student performance on topic specific in-class tests.  
 National Association for Kinesiology in Higher Education 2016 National Conference  
 San Diego, California January 6 – 9, 2016
45. Adkins, M. & **Bice, M.** <sup>†</sup> [oral presentation]  
 Mission Possible: Physical Activity Everyday – A collaborative effort between Physical Education class and structured physical activity. Physical  
 Education Teacher Education (PETE) National Conference  
 Atlanta, Georgia October 27 – 31, 2015
46. **Bice, M.**, Ball, J., & Easton, H. <sup>†‡</sup> [poster presentation]  
 Innovation Perceptions & Motivation to Implement a Coordinated School Program in rural Nebraska.  
 Society for Public Health Education 2015 National Conference  
 Portland, Oregon April 23-25, 2015
47. Turek, T.\*, Wragge, P\*. & **Bice, M.** <sup>†</sup> [poster presentation]  
 Physical Activity Motivation among Sororities and Fraternities  
 National Conference for Undergraduate Research 2015  
 Cheney, Washington April 15-18, 2015
48. **Bice, M.** & Ball, J. <sup>†‡</sup> [poster presentation]  
 Relations between Physical Activity, Mindfulness, and Mental Health Outcomes.  
 Society of Health and Physical Educators (SHAPE) America 2015 National Conference  
 Seattle, Washington March 17-21, 2015
49. Ball, J. & **Bice, M.** <sup>†‡</sup> [poster presentation]  
 Specific Physical Activities Participated during High School Increase Lifetime Activity.  
 Society of Health and Physical Educators (SHAPE) America 2015 National Conference  
 Seattle, Washington March 17-21, 2015
50. Adkins, M., **Bice, M.** & Unruh, N. <sup>†‡</sup> [poster presentation]  
 Physical Educators and Technology: Comfort Level of Integration.  
 Society of Health and Physical Educators (SHAPE) America 2015 National Conference  
 Seattle, Washington March 17-21, 2015
51. Ball, J. & **Bice, M.** <sup>†‡</sup> [oral presentation]  
 Exercise Motivation among adults who had access to a physical activity-tracking device.  
 National Association for Kinesiology in Higher Education 2015 National Conference  
 Clearwater, Florida January 8-10, 2015
52. Brown, G., Shaw, I., Shaw, B., & **Bice, M.** <sup>†</sup> [poster presentation]

Online Quizzes Enhance Introductory Anatomy & Physiology Performance on Subsequent Tests, But Not Examinations. *Medicine and Science in Sports and Exercise*, 45(5), 1655

American College of Sports Medicine  
Orlando, Florida

May 27 -31, 2014

53. **Bice, M.**, Carney, H., & Miller, K. †‡ [poster presentation]  
Fresh, Fit, & Fly: A Program to Improve Children’s Health  
American Alliance for Health, Physical Education, Recreation, and Dance  
AAHPERD 2014 National Convention & Expo  
St. Louis, Missouri April 2, 2014
54. **Bice, M.** †‡ [oral presentation]  
Coordinated School Health Programs – Success and Failures.  
American Association for Health Education/AAHPERD  
AAHPERD 2013 National Convention & Expo  
Charlotte, North Carolina April 23-27, 2013
55. **Bice, M.** & Ball, J. †‡ [poster presentation]  
High School Sport Participation and Current Adult Physical Activity Trends.  
National Association for Kinesiology in Higher Education Conference  
Fort Lauderdale, Florida January 2-5, 2013
56. **Bice, M.**, Ball, J., Ramsey, A., & Franklin, J. †‡ [poster presentation]  
C.A.T.C.H. Implementation – Teacher Hesitation – Barriers, Beliefs, & Complications.  
AAHPERD 127<sup>th</sup> National Convention & Expo.<sup>a</sup>  
Boston, Massachusetts March 2012
57. **Bice, M.**, Ball, J., Ramsey, A., & Franklin, J. †‡ [poster presentation]  
APPLICATION & Evaluation of “C.A.T.C.H” IMPLEMENTATION.  
AAHPERD 127<sup>th</sup> National Convention & Expo.<sup>a</sup>  
Boston, Massachusetts March 2012
58. Hudson, H., Bliss, K., Lodyga, M., & **Bice, M.** †‡ [poster presentation]  
Channel Surfing Contraceptives: Instructors Tuning in or Changing the Channel.  
AAHPERD 126<sup>th</sup> National Convention & Expo  
San Diego, California March 2011

<sup>a</sup> = Conference cancellation – Conference center/Downtown Boston lost power

<sup>b</sup> = Blizzard prevented presenters to reach conference location

<sup>c</sup> = Conference cancellation – Coronavirus

### Accepted / Not Presented due to Coronavirus

1. **Bice, M.**<sup>†‡</sup>, Ball, J., & Adkins, M.  
Comprehensive School Physical Activity Program: An Analysis of Readiness and Commitment to Change in Nebraska.  
2021 Hawaii International Conference on Education  
Honolulu, HI  
January 2021

### Refereed Regional / State Presentations

Student coauthors are denoted by \*

1. Elton, D., Ball, J., **Bice, M.**, Gage, R., & Orr, T. (2021). Athletic Identity: How do you identify?  
Society of Health and Physical Educators of Nebraska 2021 State Conference  
Lincoln, Nebraska  
November 1, 2021
2. Unvert, K.\*, Zakrzewski, P.\*, Ringenberg, J.\*, Ball, J., Dinkel, D., Bickford, N., Hollman, Meyer, R., & **Bice, M.** Aquaponics Growing Systems: An Innovative Approach to Health Consciousness and Science in Elementary Education.  
Early Childhood Conference: Promoting Wellbeing for Children and Families.  
Kearney, Nebraska  
October 19, 2018
3. Zakrzewski, P. \*, Unvert, K. \*, Boyer, T. \*, Ringenberg, J. \*, Meyer, D., Hollman, A., & **Bice, M.** Aquaponics: An innovative approach from technology integration.  
Nebraska Association of Teachers of Science  
Kearney, Nebraska  
September 21, 2018
4. Study, K.\*, Akehi, K., Noeldner, F., Ryan, W., **Bice, M.**, & Unruh, S.  
The Rate of Atrophy and Hypertrophy of the Quadriceps and Hamstring Muscles after the ACL Reconstruction Surgery and during Rehabilitation: Preliminary Study.  
Mid America Athletic Trainers Association  
La Vista, NE  
March 15-17, 2018
5. Adkins, M., **Bice, M.**, Brown, G., Bickford, N., & Hollman, A.  
Farm to Fresh! A multidisciplinary approach to teach Health, and Physical Activity.  
Central District Society of Health and Physical Educators of America Conference  
Sioux Falls, South Dakota  
January 27-29, 2018
6. Maljak, K., Valley, J., Ball, J., Parry, T., & **Bice, M.**  
Physical Education (PE) Teachers and Self-Determination Theory (SDT)  
IAHPERD (Illinois SHAPE) State Conference  
St. Charles, Illinois  
November 16, 2017
7. **Bice, M.**, Bickford, N., Meyer, D., Hollman, A., Bickford, S., & Ringenberg, J\*.  
Aquaponics: An innovative model to teach science and technology.

University of Nebraska at Kearney – Community Early Childhood Conference  
Kearney, Nebraska September 22, 2017

8. Sakai, R.\*, Akehi, K., Kasl, A., Ryan, W., **Bice, M.**, & Unruh, S.  
Higher knee injury risks when athletes failed to adapt their muscle morphological characteristics during the competitive college season.  
38th Annual Mid America Athletic Trainers' Association (MAATA)  
LaVista, Nebraska March 16– 18, 2017
9. Ball, J. & **Bice, M.**  
Implementing Curricula into K-12 Schools.  
SHAPE Nebraska State Conference  
Kearney, Nebraska November 2 – 3, 2015
10. Easton, H. & **Bice, M.**  
CATCH Kids Club in rural Nebraska  
SHAPE Nebraska State Conference  
Kearney, Nebraska November 2 – 3, 2015
11. Bickford, N., Adkins, M., **Bice, M.**, Bickford, S., Shafer, A., Adams, S., Albrecht, M., Ball, J., Vaux, J., Schoenebeck, C., Hill, T., Obasi, S., Siedschlaw, K., Shafer, J., Becker, B., Messerole, M., Reed, J., Davis, E., Ramsey, A., & Hollman, A.  
Sustainable Food for Health: a comprehensive study assessing food security and benefits for wellbeing.  
Rural Futures Conference  
Lincoln, Nebraska November 2 – 3, 2015
12. Maupin, C.\*, **Bice, M.**, Heelan, K., & Bartee, T.  
Physical Fitness and Academic Performance. Undergraduate Research Fellows, UNK  
Rural Futures Institute 2015  
Lincoln, Nebraska October 22 – 23, 2015
13. **Bice, M.**, Franklin, J., & Easton, H.  
CATCH: Creating a Policy, Systems, and Environmental change in rural Schools.  
NAHPERD State 2014 Program  
Lincoln, Nebraska November 2, 2014
14. Akehi, K., **Bice, M.**, & Norman, E.  
The impact of distance running on muscle cross-sectional area and echo intensity: case study.  
Central States ACSM Regional Chapter Conference  
Overland Park, Kansas October 22 – 24, 2014
15. **Bice, M.** & Carney, H.  
University & School Partnerships on Grant Funded Projects: Building Bridges.  
2013 Robert D. Russell Symposium

Carbondale, Illinois

April 8, 2013

16. **Bice, M.**

Relationship between adult BMI and sport participation.

Illinois Association for Health, Physical Education, Recreation and Dance

Chicago, Illinois

November 15, 2012

17. **Bice, M. & Ball, J.**

Results and the Phenomenon of CATCH Implementation in Rural Midwest.

Midwest District of AAHPERD Centennial Convention

Chicago, Illinois

April 25 – 27, 2012

18. Ball, J. & **Bice, M.**

The Diffusion of Distance Education in Health Education and Promotion.

Midwest District of AAHPERD Centennial Convention

Chicago, Illinois

April 25 – 27, 2012

19. **Bice, M.,** Ball, J., Ramsey, A., & Franklin, J.

“C.A.T.C.H. Implementation in rural southern Illinois.

Illinois Rural Health Association Annual Conference (poster presentation)

Effingham, Illinois

April 2012

20. Franklin, J., Wright, A., & **Bice, M.**

C.A.T.C.H: A Coordinated School Health Program – Outcomes of Implementing the CATCH Program and the projected plans for future implementation efforts.

Illinois Rural Health Association

Effingham, Illinois

April 14, 2011

21. **Bice, M.** Relationship Between Lean Mass and Coactivity in Young and Old Adults.

South Central American Society of Biomechanics

Dallas, Texas

February 2010

22. **Bice, M.** Inter-segmental Coordination and Variability within High- and Low-Arched Feet during Running.

1<sup>st</sup> Annual Meeting of the South-Central Region of the American Society of Biomechanics

Odessa, Texas

March 2008

**Refereed Abstracts**

1. Bastin, H., Renshaw, D., **Bice, M.**, Renshaw, D., Hanson, N.J., Eldridge, J., Ryan, M., Reneau, P, Powell, D. *Relationship between lean mass and coactivation during downward stepping with advancing age.* 59<sup>th</sup> Annual Meeting of the American College of Sports Medicine, San Francisco, California. May 29<sup>th</sup>-June 2<sup>nd</sup>, 2012.

2. Powell, D., **Bice, M.**, Renshaw, D., Hanson, N.J., Eldridge, J., Ryan, M., Reneau, P. *Effect of advancing age and lean mass on neuromuscular activation patterns and coactivation ratios during a downward stepping task.* 34<sup>th</sup> Annual Meeting of the Mid-Atlantic Regional Chapter of the American College of Sports Medicine, Harrisburg, Pennsylvania. November 4<sup>th</sup> – 5<sup>th</sup>, 2011.
3. **Bice, M.**, Renshaw, D., Eldridge, J., Cassidy, C., Powell, D. *Relationship between lean mass and coactivity in young and old adults.* Third Meeting of the South Central American Society of Biomechanics. Dallas, Texas. February 25<sup>th</sup>-26<sup>th</sup>, 2011.
4. Renshaw, D., **Bice, M.R.**, Cassidy, C., Eldridge, J., Powell, D. *Methods Used to Calculate EMG Amplitude,* 2nd Meeting of the South Central American Society of Biomechanics. Denton, Texas. February 12-13, 2010.
5. Chalambaga, Elizabeth T., Powell, Douglas; Renshaw, Doug; **Bice, Matthew**; and Long, Benjamin (2009) "Lower Extremity Kinetics in High and Low-Arched Athletes during Landing," *International Journal of Exercise Science: Conference Abstract Submissions:* Vol. 2: Iss. 1, Article 10.
6. Powell D., Zhang S., Milner C., **Bice M.**, and Long B. *Coordination in Running within High- and Low-Arched Feet.* 1<sup>st</sup> Meeting of the International Foot and Ankle Biomechanics Congress. Bologna, Italy, Sept. 4-6, 2008.
7. Powell D., Zhang S., Milner C., Long B. and **Bice M.** *Differences in Lower Extremity Coordination in High- Compared Low-Arched Female Athletes during Running.* 32<sup>nd</sup> Meeting of the American Society of Biomechanics. Ann Arbor, Michigan, Aug. 5-9<sup>th</sup>, 2008.
8. **Bice M.**, Zant A., Long B., Powell D. *Inter-segmental Coordination and Variability within High- and Low-Arched Feet during Running.* 1<sup>st</sup> Annual Meeting of the South Central Region of the American Society of Biomechanics, Odessa, Texas, Feb. 29-Mar 1, 2008.

### **Conference Abstract**

1. Ruano, C., Powell, .D., Renshaw, D., Chalambaga, E., and **Bice, M.** (2009) "The Effects of Insoles on Loading Rate in Level Running," *International Journal of Exercise Science: Conference Abstract Submissions:* Vol. 2: Iss. 1, Article 9.



## Grants and Sponsored Research

*Funded Grants*      *Total Funding* = \$1,757,863.13

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1. Walton, C. & **Bice, M.**  
Equity Transfer Initiative – Central Community College (CCC) & University of Nebraska at Kearney Proposal #4867465  
Sponsored by American Association of Community Colleges (AACC), American Association of State Colleges and Universities (AASCU), & Association of Public and Land-grant Universities (APLU)  
**Funded**                      \$28,000                      2021 – 2023
2. Mocarski, R., Ellis, M., & **Bice, M.**  
Infrastructure Award  
“University of Nebraska at Kearney Research Assistants Program”  
Sponsored by the University of Nebraska Program of Excellence  
**Funded**                      \$1,154,164                      April 10, 2019 – June 30, 2024  
*Role:* Co - Investigator  
*Description:* This infrastructure award will fund fourteen two-year GRAs over 5 years on UNK’s campus to increase research capacity. GRAs will be awarded competitively and deliverables include at least 2 major federal grant applications by awarded teams in the two-year award period.
3. Dinkel, D., (PI), **Bice, M. (Co-I)**, Dai, Hongying, D., & Johnson, J. “Improving the Wellbeing of Rural Early Childhood Education Professionals.”  
Sponsored by System Science: Formed/Forming Team Seed Grants  
**Funded**                      \$40,000                      July 1, 2021
4. Nebezniak, A. (PI), Mocarski, & **Bice, M. (Co-I)**. Warren, M., Harshbarger, D., Hollander, J., & Ziemke, M. “PAWS University at UNK  
Sponsored by Humanities Nebraska  
**Funded**                      \$9,200                      April 22, 2020
5. Nebezniak, A.(PI), , & Mocarski, R.& **Bice, M. (Co-I)**. “PAWS University: STEM Education.  
Sponsored by National Science Foundation (NSF) EPSCoR  
**Funded**                      \$5,000                      February 11, 2020
6. Mocarski, R.(PI), **Bice, M. (Co-I)**., Nebesniak, A., Hollander, J., & Ziemke, M. “PAWS University – Curriculum-based Summer Camps.  
Sponsored by Nebraska Arts Council  
**Funded**                      \$3,446                      December 4, 2019
7. Mocarski, R., Warren, M., Hollander, J., Steinke, C., **Bice, M.**, Nebesniak, A., Hill, T., Campbell, J., Harshbarger, D. & Ziemke, M.  
“UNK PAWs (Personal Achievement Workshops) Summer Camps  
Sponsored by Humanities Nebraska

**Funded**                      \$7,000                      April 16, 2019

8. Dinkel, D., Dev, D., **Bice, M.**, Wisneski, D., Kuhn, M., Karabon, A., Escayg, K., & Hatton-Bowers, H.  
“Improving the intersection of policies, practices, and health behaviors in childcare: A systems approach to childhood obesity prevention.”  
Sponsored by the University of Nebraska Research Initiative – Systems Science (RFA)  
**Funded**                      \$14, 680                      April 20, 2018

9. Yan, Changmin (PI)., Wagler, A., Adkins, M., **Bice, M.**, Franzen – Castle, L., Dev, D., & Koziol, N. *Imagine!*: Improving Kindergarteners’ Nutrition and Physical Activity Related Knowledge, Preferences and Habits through Virtually Reality Game in Rural Nebraska. Sponsored by The University of Nebraska – Lincoln; Research Council: Interdisciplinary Research Grants  
**Funded**                      \$20,000                      December 6, 2017

*Role:* Co-Investigator

*Description:* Our interdisciplinary team is developing an innovative immersive early childhood obesity prevention program, known as *Imagine!*, that delivers vicarious learning of nutrition and physical activity knowledge to kindergarteners in schools via a Virtual Reality (VR) game.

My role in this project is to serve as the physical activity expert as it pertains to the intervention, data collection, and data interpretation.

10. Ranglack, D. (PI), Bickford, N., **Bice, M.**, Bickford, S., Hollman, A., & Hayes, J.  
“The impact of habitat loss and fragmentation on human-wildlife conflict in an agriculturally dominated system.”  
Sponsored by System Science: Formed/Forming Team Seed Grants  
**Funded**                      \$149,910                      June 13, 2017

*Role:* Co-Investigator

*Description:* The goals of this project are to investigate the impacts of habitat fragmentation and wildlife movement. Further, we will investigate wildlife movement and its impact on public health (traffic safety, human awareness, perception of wildlife). My role in this project is to examine human-wildlife interaction from the public health perspective. Assessment will include qualitative and quantitative methodologies.

11. Koehler, K. (PI), Stevens, J., French, J., **Bice, M.**, Neta, M., Blaskewicz, B., Schmid, K., Bulbulian, R., Lee, J-M, Smith, T., Stoltenberg, S., Gustaffson, C., & Slivka, D.  
“Understanding the Effects of Exercise on Future Food Intake: The Role of Behavioral, Physiological, and Neural Mechanisms.”  
Sponsored by Food for Health Collaboration Initiative – Formed/Forming Team Seed Grants  
**Funded**                      \$150,000                      June 5, 2017

*Role:* Co-Investigator

*Description:* The goals of this project are to assess the influence of exercise on food choices, to identify neuroendocrine factors that explain inter-individual differences in food-choices in the post-exercise state, and to explore how exercise alters neural

pathways involved in decision making about food. Data will be collected in Lincoln, Omaha, and Kearney. My role in this project is coordinate data collection at the Kearney site, research design, data dissemination, and future grant writing.

12. Reed, J., Estabrooks, P., Pozehl, B., Heelan, K., **Bice, M.**, Dinkel, D., & Haynatzki, G. “Increasing Physical Activity to Improve Health through Primary Care Clinics in Rural Nebraska.”  
Sponsored by University of Nebraska Medical Center, Center for Clinical & Translational Research  
**Funded** \$25,000 May 31, 2017  
*Role:* Co-Investigator  
*Description:* The goal of this project is to design and implement a physical activity intervention in a rural community utilizing technology (activity tracking devices). My role in the project is to assist in intervention design, technology integration, and data dissemination.
13. Brown, G. (PI), **Bice, M.** (Co-I), Adkins, M., Hollman, A., Bickford, S., Bickford, N., Ranglack, D.  
“Teaching Health, Exercise, Technology, & Aquaponics (THETA) Day Camps to Grow Future Health Professionals from McCook Middle School Students.”  
Sponsored by the Rural Futures Institute (RFI)  
**Funded** \$20,000 March 1, 2017  
*Role:* Co-Investigator  
*Description:* This project is to conduct a physical activity and growing camp to a rural community (McCook, NE). Funding for this project will allow our research team to host the camp during the summer of 2018 (year 1) and 2019 (year 2). The purpose of this camp is to provide rural middle school students an additional opportunity to learn science related topics through skill-based activities in hope to make healthy decisions. We are partnered with the city of McCook, Nebraska.
14. **Bice, M.** (PI), Meyer, D., Bickford, N., Hollman, A., & Bickford, S.  
“Helping Rural Middle School Science Teachers Create Classroom Aquaponic systems enhancing soft skills and career readiness.”  
Sponsored by Nebraska’s Coordinating Commission for Postsecondary Education  
**Funded** \$59,766 January 26, 2017  
*Role:* Primary Investigator  
*Description:* The goal of this proposal is to train sciences teachers in Nebraska how to incorporate aquaponics systems into existing curricula. Teachers will be trained (a) how to build and maintain aquaponics systems, (b) how to use aquaponics systems to teach science, and (c) assess the impact of implementation on student’s health and wellbeing.
15. Torquati, J. (PI), Adkins, M., **Bice, M.** (Co-I), Bickford, N., Bickford, N., Deutsch, C., Desmarals, M., Godfrey, M., Fisk, C., Ramos, A., Westbrook, L., Smith, D., Stamler, L., Whitfield, S., & Hollman, A.  
“Solving for Pattern: Promoting Health through Localizing Food Systems Topic Areas to be Explored.”

Sponsored by Food for Health Collaboration Initiative – Planning and Proposal  
Generating grant.

**Funded** \$20,000 January 6, 2016

*Role:* Co-Investigator

*Description:* The goal of this proposal was to examine food systems as it relates to community gardens. This grant resulted in various research meetings, collaborative writing workshops, and produced international presentations.

16. Koehler, K. (PI), **Bice, M.** (Co-I), Bulbulian, R., Gustafson, C., French, J., Neta, M., Stevens, J., & Stoltenberg, S.

“Understanding the Effects of Exercise on Future Food Intake: The Role of Behavioral Physiological, and Neural Mechanisms.”

Sponsored by Food for health Collaboration Initiative – Planning and Proposal  
Generating grant.

**Funded** \$20,000 January 6, 2016

*Role:* Co-Investigator

*Description:* The goals of this Planning and Proposal Generation application are to: (1) assemble Nebraska-wide expertise in a variety of disciplines to leverage existing knowledge and technology, (2) identify possible funding sources for this research, and (3) identify knowledge gaps that need to be addressed prior to preparing a competitive extramural research proposal. We will work toward these goals through three specific aims: (a) strengthen the expertise of our research group by recruiting additional collaborators from the University of Nebraska Medical Center (UNMC) and other Nebraska research institutions, (b) leverage the expertise of nationally and internationally renowned researchers in areas that are not adequately covered by our research team, and (c) position our research team to acquire seed funding and/or extramural funding. The current grant resulted in a national presentation.

17. Yan, C. (PI), Adkins, M., **Bice, M.** (Co-I), Cammack, R., Franzen-Castle, L., Chaidez, V., Durden, T., Gustafson, C., Iruka, I., Knoche, L. & Wagler, A.

“Closing the Health Gap: An Energy-balance Approach to Bridging Early Childhood Obesity Disparities among At-risk Children in Rural and Urban Nebraska.”

Sponsored by Food for health Collaboration Initiative – Planning and Proposal  
Generating grant.

**Funded** \$19,981 January 6, 2016

*Role:* Co-Investigator

*Description:* The goal of this planning grant is to create, validate, test, and disseminate an energy-balance intervention program targeting both nutrition and physical activity (NPA) among early-age at-risk children at school/home/local neighborhood/geo-digital reality in both rural and urban Nebraskan communities.

18. Akehi, K. (PI), **Bice, M.** (Co-PI) & Adkins, M.

Sponsored by Nebraska Research Institutes (NRI) – University of Nebraska. “Impact of orthopedic surgery and rehabilitation on the lower extremity neuromuscular characteristics, muscle quality, and motivation on college athletes: cohort research study.

**Funded** \$46,166.13 April 2015 – 2016

*Role:* Co-Investigator

*Description:* The purpose of the collaborative funding request is to comprehensively enhance the current research conducted in Athletic Training, Exercise Science, and Physical Education Pedagogy Programs in the Department of Kinesiology and Sport Sciences at UNK. In addition, funding will allow us to extend research findings into studies aimed at identifying interventions and strategies that may effectively help prevent, manage, and treat physical health and functional performance issues associated with athletic participation and physical activity.

19. Akehi, K., Murphy, B., **Bice, M.**, Unruh, S., & Brown, G. (Co-Investigator). “Impact of the post-surgical procedure rehabilitation on lower extremity muscle rapid force characteristics: cohort study.”

Sponsored by University of Nebraska Kearney Research Services Council – Collaborative grant, Internal.

**Funded** \$4,000.00 2015 – 2016

\*Grant was declined by investigators due to larger funding source.

20. Ball, J. (PI) & **Bice, M.** (Co-I). “Exercise Motivation with the Nike Fuel Band.”

Sponsored by Colorado State University – Pueblo Faculty Development Grant.

**Funded** \$750.00 2014 – 2015

*Role:* Co-Investigator

*Description:* The current research study included a Pre/Post research design. Quantitative data using the Exercise Motivation Inventory - 2 scores were compared from week 1 (PRE) to week 8 (POST) and examined motivational differences to partake in PA with the inclusion of the Nike FuelBand SE®. The purpose of this study was to examine whether the use of a popular activity-tracking device would influence physical activity motivation.

21. **Bice, M.** (PI) & Ball, J. “Motivation to Exercise: Influence of technology on motivation and exercise habits,”

Sponsored by University of Nebraska Kearney Research Services Council – Collaborative grant, Internal.

**Funded** \$5,000.00 2014 – 2015

*Role:* Primary Investigator

*Description:* The current research study included a Pre/Post research design. Quantitative data using the Exercise Motivation Inventory - 2 scores were compared from week 1 (PRE) to week 8 (POST) and examined motivational differences to partake in PA with the inclusion of the Nike FuelBand SE®. The purpose of this study was to examine whether the use of a popular activity-tracking device would influence physical activity motivation.

## **Technical Experience**

**SPSS:** Version 29

**Microsoft Office:** All versions and programs

**TrueOne 2400:** Metabolic Measuring System

**Motion Analysis:** Vicon Motion Capture

**Kinetics:** AMTI force plates

**EMG:** BTS Pre-amplified surface electrodes

**Isokinetics:** Biodex dynamometer

**Programming:** Visual 3D (C-Motion, Inc.), Microsoft Visual BASIC

**Body Composition:** Skin-fold Assessment, BodPod, Dexascan

## **SERVICE**

### **Baker University**

|   |                |
|---|----------------|
| President's Executive Cabinet                             | 2023 – present |
| Dean Council ( <i>Chair</i> )                             | 2022 – present |
| President's Cabinet                                       | 2022 – present |
| Faculty Senate ( <i>ex-officio</i> )                      |                |
| School of Professional and Graduate Studies               | 2022 – present |
| Graduate School of Education                              | 2023 – present |
| University Academic Committee ( <i>Vice chair</i> )       | 2022 – present |
| Faculty Nominating Committee ( <i>Committee member</i> )  |                |
| School of Professional and Graduate Studies               | 2022 – present |
| Admissions Petition Committee ( <i>Committee member</i> ) |                |
| School of Professional and Graduate Studies               | 2022 – present |
| Search Committee  |                |
| <i>Ast./Assoc Program Chair (Committee member)</i>        | 2024           |
| <i>Ast. Prof/Program Chair (Chair)</i>                    | 2022           |
| <i>Academic Advisor (Committee member)</i>                | 2022           |

### **University of Nebraska System Service**

|  |             |
|--|-------------|
| NU Collaborative Task Force on Digital Education ( <i>Committee member</i> ) | 2021 – 2022 |
| NU Research Data Policy Committee ( <i>Committee member</i> )                | 2020 – 2022 |
| Executive Graduate Council ( <i>UNK Representative</i> )                     | 2018 – 2022 |
| NU IRB Online Platform ( <i>Committee member</i> )                           | 2020 – 2021 |
| NU Collaborative Initiation grant reviewer                                   | 2018 – 2020 |

### **University of Nebraska at Kearney Service**

|   |             |
|---|-------------|
| Faculty Senate eCampus/UNK Online Standing Committee            | 2021 – 2022 |
| Early Childhood Education Center – Advisory Board (Research)    | 2019 – 2022 |
| Graduate Council  | 2017 – 2022 |
| <i>Academic Programs (Chair)</i>                                | 2018 – 2022 |
| Honors Program Curriculum Committee ( <i>Committee member</i> ) | 2015 – 2022 |
| Research Services Council ( <i>Committee member</i> )           | 2015 – 2022 |

|   |             |
|---|-------------|
| University Strategic Planning Committee ( <i>Committee member</i> )   | 2015 – 2022 |
| <i>Graduate Studies representative</i>  | 2021 – 2022 |
| <i>College of Education representative</i>  | 2015 – 2020 |
| Search Committee  |             |
| <i>UNK Online – Digital Pedagogy Specialist (Chair)</i>   | 2021        |
| <i>UNK Online – Academic Outreach Specialist (Chair)</i>  | 2021        |
| <i>UNK Online – Instructional Designer (Chair)</i>  | 2021        |
| <i>Director of eCampus (UNK Online) – Search eliminated</i>   | 2020        |
| <i>NE Healthcare Collaborative Chair of Population Health (Chair)</i>   | 2020        |
| <i>Early Childhood Education Center – Lead Teacher</i>  | 2020        |
| <i>Interim Director, Early Childhood Education Center</i>   | 2020        |
| <i>Director, Early Childhood Education Center (Chair)</i>   | 2019        |
| Conflict of Interest Review Committee ( <i>Ex Officio member</i> )  | 2018 – 2019 |
| Research Advisory Council ( <i>College of Education Representative</i> )  | 2018        |
| Women’s, Gender, and Ethnic Studies Advisory Board<br>( <i>Formally Ethnic Studies Program Advisory Committee</i> ) | 2016 – 2018 |
| Ethnic Studies Program Advisory Board ( <i>Committee member</i> )   | 2015 – 2016 |

### **College of Education**

|  |             |
|--|-------------|
| Actively Attended College Meetings   | 2013 – 2022 |
| Council for the Accreditation of Educator (CAEP) Accreditation Committee<br><i>Statistical design &amp; analysis</i> | 2016 – 2018 |

### **Department of Kinesiology and Sport Sciences**

|   |             |
|---|-------------|
| Undergraduate Scholarships Committee ( <i>Chair</i> )                   | 2018 – 2022 |
| <i>Committee member</i>   | 2014 – 2018 |
| KSS Graduate Faculty ( <i>Committee member</i> )                        | 2014 – 2022 |
| Department Social Committee member ( <i>Committee member</i> )          | 2014 – 2022 |
| Actively Attended Department Meetings                                   | 2013 – 2022 |
| Nebraska Kid Fitness Nutrition Day ( <i>Faculty Advisor</i> )           | 2013 – 2020 |
| Faculty Search Committee ( <i>Ast. Professor – Recreation faculty</i> ) | 2019        |
| Faculty Search Committee ( <i>Ast. Professor – Physical Education</i> ) | 2016 – 2017 |
| Loper Connection ( <i>Chair</i> )                                       | 2015 – 2017 |
| Department Logo Committee member ( <i>Committee member</i> )            | 2013 – 2016 |
| Loperfit Club ( <i>Co-Coordinator</i> )                                 | 2014 – 2015 |
| Faculty Search Committee ( <i>Ast. Professor – Athletic Training</i> )  | 2013 – 2014 |
| PATH event – ( <i>Coordinator</i> )                                     | 2014        |

### **Community Service**

|  |                |
|--|----------------|
| Economic Development Corporation<br>Lawrence and Douglas County (elected position) | 2023 – present |
| Mid-America Regional Council<br>Government-to-University Initiative                | 2022 – present |
| Kearney Soccer Club  | 2013 – 2022    |
| The Kearney Area Community Foundation Grant – Assisted with Grant writing.         |                |

|  |             |
|--|-------------|
| <i>Assisted Bob Slaymaker (former KSC President)</i>         |             |
| Kearney Soccer Association                                   |             |
| <b>Funded - \$1,500</b> (2015 – 2016)                        |             |
| Nebraska United Soccer Club                                  | 2017 – 2022 |
| <i>Competitive trainer and head coach</i>                    | 2017 -      |
| <i>Developed Coaching Mentoring Program</i>                  | 2020 – 2022 |
| PAWS (Professional Achievement Workshops) – PAWS University  |             |
| <i>(Executive Member)</i>                                    | 2019 – 2022 |
| Activate Buffalo County ( <i>Committee Member</i> )          | 2013 – 2021 |
| Kearney High School Men’s & Women’s Soccer Team              | 2014 – 2020 |
| Kearney Healthy Schools Advisory Council                     | 2014 – 2020 |
| Susan G. Koman   |             |
| <i>State Committee Member</i>                                | 2013 – 2019 |
| <i>Race Director</i>   | 2013 – 2015 |
| <i>Coordinator of Marshalls</i> (Event date: September 28)   | 2013        |
| Wagnor, South Dakota Public School District                  | 2015 – 2018 |
| Physical Activity Summer Camp                                |             |
| Collaboration: Dr. Maurice Godfrey (UNMC) & Dr. Megan Adkins |             |
| University of Nebraska Friendship Program                    | 2016 – 2018 |
| Two Rivers Public Health Department – CATCH Partner          | 2013 – 2017 |
| <i>CATCH evaluator &amp; trainer</i>                         |             |

**Professional Leadership**

|   |             |
|---|-------------|
| Council on Undergraduate Research (CUR) National Organization             |             |
| <i>Councilor in the Education Division (Elected position, 3 yr. term)</i> | 2020 – 2023 |
| Society for Health and Physical Education (SHAPE) Nebraska                |             |
| <i>Past President</i>   | 2018 – 2019 |
| Society for Health and Physical Education (SHAPE) Nebraska                |             |
| <i>President</i>  | 2016 – 2018 |
| Society for Health and Physical Education (SHAPE) Nebraska                |             |
| <i>President-elect</i>  | 2015 – 2016 |
| Society for Health and Physical Education (SHAPE) Nebraska                |             |
| <i>Treasurer</i> (6 moths)  | 2016        |

**Professional Committees**

**National-level Committees**

|  |             |
|--|-------------|
| Council on Undergraduate Research (CUR) National Organization        |             |
| <i>Bylaws and Policies</i>   | 2020 – 2023 |
| Society for Health and Physical Education (SHAPE) America (National) |             |
| <i>Delegate – 2018 SHAPE America Assembly</i>                        | 2017 – 2019 |

**Regional-level Committees**

|   |             |
|---|-------------|
| Society for Health and Physical Education (SHAPE) Central District (Regional) |             |
| <i>Archives Committee</i>   | 2017 – 2020 |
| <i>Collaboration Committee</i>  | 2017 – 2020 |
| <i>Future Professional and Higher Education Committee</i>                     | 2017 – 2020 |



|  |             |
|--|-------------|
| <i>Membership Committee</i>                                | 2017 – 2020 |
| <i>Nominations Committee</i>                               | 2017 – 2020 |
| <i>Sanford Health Fit4Schools Review Committee (Adhoc)</i> | 2017 – 2019 |

### **State-level Committees**

|   |             |
|---|-------------|
| Society for Health and Physical Education (SHAPE) Nebraska (State)        |             |
| <i>Board member</i>   | 2014 – 2019 |
| <i>Leadership Council</i>   | 2014 – 2019 |
| <i>Professional Development Committee - Chair</i>                         | 2015 – 2019 |
| <i>Executive Director Role Delineation Committee - Chair</i>              | 2014 - 2015 |
| Nebraska Association of Health, Physical Education, Recreation, and Dance |             |
| <i>Leadership Council</i>   | 2014        |

### **Campus Committee**

|   |             |
|---|-------------|
| Eta Sigma Gamma – Southern Illinois University – Carbondale Chapter |             |
| <i>President</i>  | 2010 – 2011 |

### **Professional Memberships**

|  |                          |
|--|--------------------------|
| Council of Adult and Experiential Learning                             | 2018 – present           |
| Council of Graduate Schools  | 2018 – present           |
| Midwestern Association of Graduate Schools                             | 2022 – present           |
| Council on Undergraduate Research                                      | 2016 – 2023              |
| Eta Sigma Gamma  | 2009 – 2015; 2018 – 2022 |
| Society of Health and Physical Educators (SHAPE)                       | 2014 – 2022              |
| Society of Public Health Education                                     | 2014 – 2022              |
| Society of Health and Physical Educators – Nebraska                    | 2014 – 2022              |
| National Association of Kinesiology in Higher Education                | 2013 – 2022              |
| American Association of Health Education                               | 2009 – 2015              |
| American Alliance for Health, Physical Education, Recreation and Dance | 2010 – 2014              |
| South Central Region of the American Society of Biomechanics           | 2007 – 2011              |
| Illinois Rural Health Association (IRHA)                               | 2010 – 2013              |

### **Professional Service as a Peer-Reviewer**

|   |                |
|---|----------------|
| <i>Journal of STEM Education</i>                                | 2020 – present |
| <i>Research Quarterly for Exercise and Sport</i>                | 2019 – present |
| <i>International Journal of Sport and Exercise Psychology</i>   | 2018 – present |
| <i>Journal of STEM Outreach</i>                                 | 2017 – present |
| <i>International Journal of Kinesiology in Higher Education</i> | 2015 – present |
| <i>International Journal of Exercise Science</i>                | 2014 – present |
| <i>Journal of Sport and Health Science</i>                      | 2014 – present |
| <i>Journal of Sport and Health Research</i>                     | 2014 – 2022    |
| <i>Pedagogy in Health Promotion</i>                             | 2014 – 2022    |

### **Invited Presentations/Workshops**

**Bice, M.** Worksite wellness.

The Buckle, Corporate offices.  
Kearney, Nebraska

October 20, 2015

**Bice, M.** & Rauch, P. Physical activity and nutrition guidelines for military personnel.  
ROTC – University of Nebraska Kearney February 5, 2015

**Bice, M.**, Franklin, J., & Easton, H. CATCH: Creating a policy, systems, and environmental change in rural Schools. NAHPERD  
Lincoln, NE. November 3-4, 2014

**Bice, M.** Coordinated Approach to Child Health (C.A.T.C.H.) Implementation techniques, strategies, and barriers concerning rural school implementation. Two Rivers Health Department, Kearney, NE. July 22, 2014

### **Conference President**

Deborah Tackmann and JoAnne Owens-Nauslar. (2013). *Teaching the iY Generation: Outrageous teaching techniques*. AAHPERD 2013 National Convention & Expo. Charlotte, NC April 23 – 27, 2013

Illinois Rural Health Association State Conference  
Effingham, IL April 25 – 27, 2012

American Association for Health Educators 2010 National Conference – videographer  
Dr. Roberta Ogletree –advisor  
Indianapolis, IN March 2010

### **Professional Development (Conferences Attended)**

2023 *Ruffalo Noel Levitz National Conference*. Nashville, TN  
*DEI+ Conference*. Kansas City (Olathe), KS

2022 *Council for Adult and Experiential Learning National Conference*. Chicago, IL

2021 *Council for Adult and Experiential Learning National Conference*. San Diego, CA  
*NU Amplify 2021: A Symposium on Digital Teaching, Technology, and Inclusion*<sup>a</sup>  
*National Conference on Undergraduate Research (NCUR)*<sup>a</sup>  
*Graduate and Online Innovation Summit*<sup>a</sup>  
<sup>a</sup> = Virtual Conference

2020 *Mortar Board National Leadership Conference*<sup>a</sup>  
*Council for Graduate Studies Summer Workshop*<sup>a</sup>  
*Council for Graduate Studies: New Deans Institute*<sup>a</sup>  
*The Council on Undergraduate Research (CUR) Annual Business Meeting (ABM)*<sup>a</sup>  
<sup>a</sup> = Virtual Conference

2019 *Council for Graduate Studies Summer Workshop*. San Diego, CA

- Council for Graduate Studies: New Deans Institute. San Diego, CA*
- 2018 *Society for Health and Physical Educators Nebraska State Conference. Lincoln, NE*  
*Ecotourism Symposium – Center for Great Plains Studies. Kearney, NE*  
*Society of Health and Physical Educators of America National Convention. Nashville, TN*  
*Society of Health and Physical Educators Central District Conference. Sioux Falls, SD*
- 2017 *Society for Association Management (SAM) Leadership Development Conference (LDC). Albuquerque, NM*  
*National Council on Undergraduate Research National Conference. Memphis, TN*  
*Society for Public Health Education Annual Conference. Denver, CO*  
*Society of Health and Physical Educators of America National Convention. Boston, MA*  
*Society of Health and Physical Educators Central District Conference. Cedar Falls, IA*  
*Society of Health and Physical Educators Nebraska State Conference. Lincoln, NE*
- 2016 *Society of Health and Physical Educators of America National Convention. Minneapolis, MN*  
*National Association for Kinesiology in Higher Education Annual Conference. San Diego, CA*
- 2015 *Society for Public Health Education Annual Conference. Portland, OR*  
*Society of Health and Physical Educators of America National Convention. Seattle, WA*  
*Society of Health and Physical Educators Nebraska State Conference. Lincoln, NE*  
*National Association for Kinesiology in Higher Education Annual Conference. Clearwater, FL*
- 2014 *American Alliance for Health, Physical Education, Recreation and Dance National Convention. St. Louis, MO*
- 2013 *American Alliance for Health, Physical Education, Recreation, and Dance National Convention. Charlotte, NC*  
*National Association for Kinesiology in Higher Education Annual Conference. Fort Lauderdale. FL, 2013*  
*Robert D. Russell Symposium. Carbondale, IL, 2013*
- 2012 *American Alliance for Health, Physical Education, Recreation and Dance National Convention. Boston, MA*  
*Illinois Association for Health, Physical Education, Recreation and Dance, Chicago, IL*  
*Midwest District of AAHPERD Centennial Convention. Chicago, IL*  
*Illinois Rural Health Association. Effingham, IL*
- 2011 *American Alliance for Health, Physical Education, Recreation and Dance National Convention. San Diego, CA*

2010 *American Alliance for Health, Physical Education, Recreation and Dance National Convention.* Indianapolis, IN

**Professional Development (Trainings/Workshops/Skill Acquisition)**

- 2022 *Ruffalo Noel Levitz. Enrollment Workshop: Graduate & Online track.*  
St. Louis, IL October 18, 2022
- 2019 *University of Nebraska Institutional Animal Care and Use Committee (IACUC) Training.*  
Sponsored by University of Nebraska  
Lincoln, Nebraska August 8, 2019
- 2018 *Institutional Review Board (IRB) Administrator Boot Camp 101 & 201*  
Sponsored by Public Responsibility in Medicine and Research (PRIM&R)  
Chicago, Illinois October 18-19, 2018
- University of Nebraska Institutional Animal Care and Use Committee (IACUC) Training.*  
Sponsored by University of Nebraska at Lincoln  
Lincoln, Nebraska August 2, 2018
- 2016 *Coordinated School Physical Activity Program (CSPAP)*  
Sponsored by SHAPE Nebraska  
Kearney, Nebraska November 5, 2016
- 2015 *Physical Activity Leader (PAL)*  
Sponsored by SHAPE Nebraska at University of Nebraska Omaha  
Omaha, Nebraska September 26, 2015
- 2014 *eCampus Online Training* University of Nebraska Kearney November
- iBook Training* University of Nebraska Kearney April
- Apple – MacBook Air Training (UNK)* April
- 2013 *Tutorial, “Blackboard for beginners.” (UNK)* September

**Additional Service**

- First Annual Meeting of the South-Central Regional Chapter of the American Society of Biomechanics 2009
- President – Kinesiology Club  
The University of Texas of the Permian Basin 2004 – 2007

**Awards & Honors “Other”**

**The University of Texas of the Permian Basin**

- 2009 Most Outstanding Graduate Student May

- 2008 Best Abstract Award, 1<sup>st</sup> Annual Meeting of the South-Central Region of the American Society of Biomechanics March
- 2007 Most Outstanding Undergraduate Student, College of Arts & Sciences May
- 2007 Outstanding Undergraduate Student, Dept. of Kinesiology May