

**Dr. Andrew C. Parks, Department of Kinesiology**  
**Virgil Orr Junior Faculty Award 2024 Nomination Packet**

**I. Courses Taught and Teacher Evaluation Ratings**

2019 - 2020						
Fall		Preventative Health & Wellness				
Winter	KINE 518	Recent Literature and Research in Kinesiology	3.9	3.8	3.7	3.6
Spring						
Summer	KINE 290*	Personal and Community Health	N/A	N/A	N/A	N/A
	KINE 333*	Motor Learning	N/A	N/A	N/A	N/A
2020 - 2021						
Fall	KINE 403+	Neural Basis of Movement				
Winter	KINE 403	Neural Basis of Movement	4.0	3.8	3.8	3.6
	KINE 514+	Quantitative Data Analysis in Kinesiology	3.5	3.8	3.8	3.6
Spring		Neural Basis of Movement				
Summer	KINE 333*	Motor Learning	N/A	N/A	N/A	N/A
	KINE 403*	Neural Basis of Movement	N/A	N/A	N/A	N/A
2021 - 2022						
Fall	KINE 541+	Neural Basis of Movement Exercise Psychology				
Winter	KINE 403	Neural Basis of Movement	3.6	3.8	3.7	3.6
	KINE 514	Quantitative Data Analysis in Kinesiology	3.3	3.8	3.7	3.6
Spring		Neural Basis of Movement				3.6
Summer	KINE 333*	Motor Learning	N/A	N/A	N/A	N/A
	KINE 403*	Neural Basis of Movement	N/A	N/A	N/A	N/A
2022 - 2023						
Fall						
Winter	KINE 403	Neural Basis of Movement	3.6	3.8	3.8	3.6
	KINE 514	Quantitative Data Analysis in Kinesiology	4.0	3.8	3.8	3.6
Spring						
Summer	KINE 333*	Motor Learning	N/A	N/A	N/A	N/A
	KINE 403*	Neural Basis of Movement	N/A	N/A	N/A	N/A
2023 - 2024						
Fall	KINE 333	Motor Learning	3.8	3.8	3.7	3.7
	KINE 403	Neural Basis of Movement	3.7	3.8	3.7	3.7
Winter	KINE 403	Neural Basis of Movement	Not Available	Not Available	Not Available	Not Available
	KINE 514	Quantitative Data Analysis in Kinesiology	Not Available	Not Available	Not Available	Not Available
Spring	KINE 403	Neural Basis of Movement	Not Available	Not Available	Not Available	Not Available
	KINE 531+	Psychophysiology of Sport	Not Available	Not Available	Not Available	Not Available
<b>Averages</b>			<b>3.7</b>	<b>3.8</b>	<b>3.7</b>	<b>3.6</b>

Note: \* indicates course taught online; ^ indicates a hybrid course; + indicates new course developed and offered for first time.

**II. Statement of beliefs concerning the importance of teaching, research, or other services**

When I began my search for a faculty position, I knew one thing for certain about where I wanted to go – the student's needed to be the priority. I was very fortunate during my education to have attended three very different

universities with distinct missions, but one common thread was the emphasis on student engagement, student development, and student needs. When I visited Louisiana Tech for the first time, it was evident that this institution embraces the students and instills in them a sense of purpose & loyalty that was unparalleled anywhere else. This feeling has only expanded since beginning my career here and has been present in each facet of my work. Whether it is developing courses that provide our students with one-of-a-kind experiences, cultivating research projects that bring the students in from concept to publication, or seeking out opportunities to serve this academic community; I have found my own place on this campus, and have found myself inspired by the work of my peers and the passions of my students. I believe whole-heartedly that as faculty it is our job to develop an unrivaled student experience that will foster student growth, learning, perspectives, and development. In doing so, we create a space in which our students can not only prepare for their future careers, but also develop into the best versions of themselves.

During my first year at Louisiana Tech, I accepted the role of Undergraduate & Graduate Academic Coordinator in the Department of Kinesiology. Within this role, I have been tasked with developing the quarterly curriculum offerings, but also the development of new courses/academic programs, assessment of existing programs, and evaluation of our student's needs. I was thrilled by the opportunity because I believe that as faculty, we have the greatest impact on our students within the classroom. By shaping not only a positive experience for our students, but an intellectually challenging and innovative approach, we have the ability to instill a profound sense of curiosity and accomplishment that can serve our students long after they have graduated from this institution. I am often given the opportunity to meet with prospective students, and I will always tell them that my job doesn't begin and end with their time in my classroom. My goal is to foster an environment that empowers the students to think critically, remain inquisitive, and be internally motivated to better themselves. When successful, I feel this approach helps to develop the student beyond my classroom and will serve them for years after my time with them has ended. I am very passionate about this, as I feel at its core teaching is about building relationships with our students, and that these connections are what make our programs unique and our institution one-of-a-kind.

Since arriving at Louisiana Tech, one of my primary goals has been to develop a collaborative research space for faculty and students from various disciplines to engage in cutting edge research. While there were delays along the way, we officially opened this space in Fall 2021, and it has provided unexpected growth for our students and our program since. As the old adage says, "if you build it, they will come", and that has very much been my experience these past 5 years. My expertise is in the role healthy behaviors play on cognitive function and brain development in children & adults with disabilities. While I knew we had many students interested in working with special populations, the number of community members, groups, and organizations that have reach out to collaborate has been astounding. This has not only created partnerships for my work, but also new opportunities for students. One of these partnerships I am most proud of is the cultivation of a connection with the Comprehensive Readiness for Aircrew Flying Training research program at Barksdale Air Force Base. This holistic health and performance initiative seeks to educate, train, and improve all aspects of performance (i.e., mental, cognitive, physical, etc.) in the airmen within the program. Through this partnership, we have been able to establish a continuous internship opportunity for students to explore multiple facets of performance psychology and physiology first-hand. Additionally, we were able to develop this relationship into a new fellowship line within the Global Strike National Security Fellowship Program. While only active for the past year, this partnership has resulted in student opportunities that are not available anywhere else, as this program is unique to Barksdale Air Force Base, which has allowed our students to gain experiences that have directly correlated with their job placements after graduation. Outside of these partnerships, I have also had the privilege to oversee a number of student researchers on a variety of projects including: 1) Thesis Chair for two graduate students, 2) Directed Research Chair for graduate student, 3) Internship director for four undergraduate students, and 4) research mentor for over two dozen undergraduate and graduate research assistants.

In addition to my teaching and scholarship, service to my university, profession, and community has always been a priority. Since Fall 2022, I have served as a College of Education & Human Sciences Representative on the University Senate, and the University Senate Executive Committee. Recently I was nominated for appointment as an Associate Member of the Institutional Review Board and served as a committee member for development of a Transdisciplinary Curriculum in Community Health. I also have served as a Committee Member for faculty & staff searches in the Department of Kinesiology, Undergraduate & Graduate Academic Coordinator, and as the department representative for a number of Recruitment Events. At present I am also a Topic Editor for the Journal of Clinical Medicine and have engaged in a number of journal reviews for top research journals in my field. While time intensive, these experiences have been rewarding and have provided a better understanding of the administrative work required to successfully lead/manage

a department, college, and university.

Whether in the classroom, in research meetings, or providing service to my community, my aim focuses on the betterment of our students and the mission of Louisiana Tech. This perspective has allowed me to bring a professional and creative approach to prepare students for their careers and to help grow student engagement, scholarship, and community outreach at Louisiana Tech University.

### III. A selected list of publications, presentations, grants, and similar activities

#### PEER-REVIEWED JOURNAL ARTICLES (IN PRINT OR ACCEPTED):

1. Pontifex, M. B., Parks, A. C., Delli Paoli, A. G., Schroder, H. S., & Moser, J. S. (2021). The effect of acute exercise for reducing cognitive alterations associated with individuals high in anxiety. *International Journal of Psychophysiology*, 167, 47-56. doi: <https://doi.org/10.1016/j.ijpsycho.2021.06.008>  
 Research Design     Statistical Analysis     Drafted Manuscript     Reviewed Manuscript     Data Collection  
Journal Metrics: 153 of 306, 2<sup>nd</sup> Quartile (Neurosciences); 39 of 83, 2<sup>nd</sup> Quartile (Physiology); 37 of 92, 2<sup>nd</sup> Quartile (Psychology); 8 of 18, 2<sup>nd</sup> Quartile (Psychology, Biological); 43 of 97, 2<sup>nd</sup> Quartile (Psychology, Experimental)    Impact Factor: 3.000    Article Citations: 10
2. Vasold, K., Parks, A. C., Phelan, D. M. L., Pontifex, M. B., & Pivarnik, J. (2019). Reliability and validity of commercially available low-cost bioelectric impedance analysis. *International Journal of Sport Nutrition & Exercise Metabolism*, 29, 406-410. doi: <https://doi.org/10.1123/ijsnem.2018-0283>  
 Research Design     Statistical Analysis     Drafted Manuscript     Reviewed Manuscript     Data Collection  
Journal Metrics: 40 of 109, 2<sup>nd</sup> Quartile (Nutrition & Dietetics); 45 of 121, 2<sup>nd</sup> Quartile (Sport Sciences)    Impact Factor: 2.500    Article Citations: 129
3. Pontifex, M. B., McGowan, A. L., Chandler, M. C., Gwizdala, K. L., Parks, A. C., Fenn, K., & Kamijo, K. (2019). A primer on investigating the after effects of acute bouts of physical activity on cognition. *Psychology of Sport and Exercise*, 40, 1-12. doi: <https://doi.org/10.1016/j.psychsport.2018.08.015>  
 Drafted Manuscript     Reviewed Manuscript  
Journal Metrics: 21 of 136, 1<sup>st</sup> Quartile (Hospitality, Leisure, Sport & Tourism); 17 of 92, 1<sup>st</sup> Quartile (Psychology); 29 of 115, 2<sup>nd</sup> Quartile (Psychology, Applied); 21 of 121, 1<sup>st</sup> Quartile (Sport Sciences)    Impact Factor: 3.4    Article Citations: 287
4. Kao, S-C., Westfall, D. R., Parks, A. C., Pontifex, M. B., & Hillman, C. H. (2017). Muscular and aerobic fitness, working memory, and academic achievement in children. *Medicine and Science in Sports and Exercise*, 49, 500-508. doi: 10.1249/MSS.0000000000001132 (PMID: 27776002)  
 Research Design     Statistical Analysis     Drafted Manuscript     Reviewed Manuscript     Data Collection  
Journal Metrics: 8 of 121, 1<sup>st</sup> Quartile (Sport Sciences)    Impact Factor: 4.029    Article Citations: 129
5. \*Parks, A. C., Moore, R. D., Wu, C.-T., Broglio, S. P., Covassin, T., Hillman, C. H., & Pontifex, M. B. (2015). The association between a history of concussion and variability in behavioral and neuroelectric indices of cognition. *International Journal of Psychophysiology*, 98, 426-434. doi: 10.1016/j.ijpsycho.2015.08.006 (PMID: 26327621)  
\*American Kinesiology Association Graduate Writing Award  
 Research Design     Statistical Analysis     Drafted Manuscript     Reviewed Manuscript     Data Collection  
Journal Metrics: 153 of 306, 2<sup>nd</sup> Quartile (Neurosciences); 39 of 83, 2<sup>nd</sup> Quartile (Physiology); 37 of 92, 2<sup>nd</sup> Quartile (Psychology); 8 of 18, 2<sup>nd</sup> Quartile (Psychology, Biological); 43 of 97, 2<sup>nd</sup> Quartile (Psychology, Experimental)    Impact Factor: 3.000    Article Citations: 45
6. Pontifex, M. B., Parks, A. C., Henning, D. A., & Kamijo, K. (2015). Single bouts of exercise selectively sustain attentional processes. *Psychophysiology*, 52, 618-625. doi: 10.1111/psyp.12395 (PMID: 25523887)  
 Research Design     Statistical Analysis     Drafted Manuscript     Reviewed Manuscript     Data Collection  
Journal Metrics: 96 of 306, 2<sup>nd</sup> Quartile (Neurosciences); 24 of 83, 2<sup>nd</sup> Quartile (Physiology); 22 of 92, 1<sup>st</sup> Quartile (Psychology); 3 of 18, 1<sup>st</sup> Quartile (Psychology, Biological); 28 of 97, 2<sup>nd</sup> Quartile (Psychology, Experimental)    Impact Factor: 4.016    Article Citations: 93

#### MANUSCRIPTS IN PREPARATION (\* DENOTES STUDENT PROJECT):

1. Parks, A. C. & Blazo, J. A. (In Prep). Special Commentary on the influence of the family unit on physical activity trends and behaviors in children with Autism Spectrum Disorder.  
 Drafted Manuscript     Reviewed Manuscript
2. Parks, A. C., Blazo, J. A., & Reichter, A. P. (In Prep). The role of family on promoting physical activity behaviors in youth with Autism Spectrum Disorder: A systematic review.

[X] Review Design    [X] Statistical Analysis    [X] Drafted Manuscript    [X] Reviewed Manuscript    [X] Data Collection

3. **Parks, A. C.**, Blazo, J. A., & Reichter, A. P. (In Prep). Autism Spectrum Disorder and physical activity: Where is the research, and what do we know?  
[X] Review Design    [X] Statistical Analysis    [X] Drafted Manuscript    [X] Reviewed Manuscript    [X] Data Collection
4. Pasupathi, P. A.\* , **Parks, A. C.**, & Blazo, J. A. (In Prep). Consistency in performance: The role of brief online guided mediation on cognitive performance.  
[X] Research Design    [X] Statistical Analysis    [X] Drafted Manuscript    [X] Reviewed Manuscript    [X] Data Collection
5. Pasupathi, P. A.\* , **Parks, A. C.**, Blazo, J. A., & Jacob, J. (In Prep). Influence of acute online guided mediation on inhibitory control and stimulus discrimination in college-age adults.  
[X] Research Design    [X] Statistical Analysis    [X] Drafted Manuscript    [X] Reviewed Manuscript    [X] Data Collection

**ABSTRACTS (IN PRINT OR ACCEPTED; \* DENOTES STUDENT PROJECT):**

1. **Parks, A. C.**, Blazo, J. A., & Reichter, A. P. (2024). The role of family on promoting physical activity behaviors in youth with Autism Spectrum Disorder: A systematic review. *North American Society for the Psychology of Sport and Physical Activity Annual Meeting*.
2. Brown, J. R.\* & **Parks, A. C.** (2024). Influence of Attention-Deficit/Hyperactivity Disorder on collegiate athlete experiences in sport: A qualitative study. *AASP South Central Regional Conference*.
3. Brown, J. R.\* , Pasupathi, P. A.\* , Blazo, J. A., & **Parks, A. C.** (2024). Intraindividual variability in attention associated with acute mindfulness meditation in college students. *Undergraduate Research and Service Learning Symposium, Louisiana Tech University*.
4. Ziepke, A. L.\* & **Parks, A. C.** (2022). The effect of physical activity on quality of life, balance, and cognition in adults with Parkinson's Disease. *North American Society for the Psychology of Sport and Physical Activity Annual Meeting*.
5. Alexander, K.\* , Blazo, J. A., **Parks, A. C.**, Fleming, D. J. M., Hardiman, A. L., & Dorsch, T. E. (2022). The impact of parental pressure and parental beliefs about early specialization on beliefs of ability and task values. *North American Society for the Psychology of Sport and Physical Activity Annual Meeting*.
6. Pasupathi, P. A.\* , **Parks, A. C.**, Blazo, J. A., & Jacob, J. (2022). Impact of online guided meditation and on attentional processes. *AASP South Central Regional Conference*.
7. Staples, K. L., Ketcheson, L., & **Parks, A. C.** (2020). Understanding health disparities among 3- to 9-year-old children with Autism Spectrum Disorder. *Journal of Sport & Exercise Psychology*, 42, S24-S25.

**GRANT PURSUITS (SELECTION):**

1. Board of Regents Support Fund, Department Enhancement Proposal, **Co-Principal Investigator** (A. Reichter, PI): "Enhancing Student Experiences and Skill Development through the Establishment of a Clinical Health Teaching Laboratory in the Department of Kinesiology" \$198,244 (Submitted, October, 2023)
2. Davis Phinney Foundation, 2023 Research Grants, **Principal Investigator** (A. Reichter, Co-Principal Investigator): "Effects of a Longitudinal Physical Activity and Health Coaching Intervention on Behavioral, Psychosocial, and Cognitive Impairments in Parkinson's Disease" \$100,000 (Unfunded, September 2023)
3. Blue Cross Blue Shield Foundation of Louisiana, New Horizons Grant, **Principal Investigator** (J. Blazo & A. Reichter, Co-Investigators): "Development of Healthy Behaviors Through Familial Relationships in Children with Autism Spectrum Disorder" \$25,000 (Unfunded, June 2023)
4. SFARI, Human Cognitive and Behavioral Science Grant, **Principal Investigator**: "Identifying unique neurophysiological signatures influencing memory encoding and learning in children with Autism Spectrum Disorder." \$685,123.32 (Unfunded, May 2021)
5. NIH, Research Facilities Construction Grant (PAR-21-139), **Co-Principal Investigator** (L. Iasemidis, Program Director/Principal Investigator): "Expansion of Biomedical Research Facilities to Enhance BRAIN Initiative Collaborations in North Louisiana," \$6,050,000 (Unfunded, March 2021).

THESIS COMMITTEE CHAIR:

- 2022 **Praveen Pasupathi**, Kinesiology, "Influence of guided online awareness meditation on inhibitory control and stimulus discrimination in college age adults."  
2021 **Alexandra Ziepke**, Kinesiology, "The relation of physical activity to quality of life, balance, and cognition in adults with Parkinson's Disease: A pilot study."

DIRECTED RESEARCH MENTOR:

- 2022 **Jacob Goluska**, Kinesiology

**IV. Selection of Community/University Service Activities**

EDITORIAL BOARDS:

- 2021 – Present **Topic Editor**, Journal of Clinical Medicine, Mental Health Section

AD-HOC JOURNAL REVIEWER:

- 2024 Human Factors and Ergonomics in Manufacturing & Service Industries  
2022 Psychology of Sport & Exercise  
2022, 2021 International Journal of Environmental Research & Public Health  
2021 Journal of Clinical Medicine  
2020, 2014 International Journal of Psychophysiology  
2019 Medicina

SERVICES TO THE UNIVERSITY:

- 2024 **Associate Member**, Institutional Review Board  
Louisiana Tech University, Ruston, Louisiana  
2022 - Present **College of Education Representative**, University Senate, Executive Committee  
Louisiana Tech University, Ruston, Louisiana  
2022 – Present **College of Education Representative**, University Senate  
Louisiana Tech University, Ruston, Louisiana  
2022 – 2024, **Judge**, Undergraduate Research & Service Learning Symposium  
2021 Louisiana Tech University, Ruston, Louisiana  
2023 **Member**, Committee for Transdisciplinary Curriculum in Community Health  
Louisiana Tech University, Ruston, Louisiana

ADMINISTRATIVE SERVICES TO THE DEPARTMENT:

- 2019 – Present **Graduate & Undergraduate Academic Coordinator**, Department of Kinesiology  
Louisiana Tech University, Ruston, Louisiana  
2023 **Member of Administrative Assistant Search Committee**, Department of Kinesiology  
Louisiana Tech University, Ruston, Louisiana  
2021 – 2022 **Member of Sports Performance Search Committee**, Department of Kinesiology  
Louisiana Tech University, Ruston, Louisiana  
2021 – 2022 **Graduate Teaching Assistant Coordinator**, Department of Kinesiology  
Louisiana Tech University, Ruston, Louisiana

PROFESSIONAL AFFILIATIONS:

- 2013 - Present Society for Psychophysiological Research  
2015 – Present North American Society for the Psychology of Sport and Physical Activity