



COLLEGE OF EDUCATION
AND HUMAN DEVELOPMENT
George Mason University®



Student **Research** Symposium

THURSDAY, APRIL 17, 2025

**WELCOME TO THE 9TH ANNUAL
COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
STUDENT RESEARCH SYMPOSIUM**

Across the university and especially within the College of Education and Human Development (CEHD), we seek to continuously enhance the scope and depth of our research and scholarly pursuits while fostering a culture of student scholarship.

The CEHD Student Research Symposium is a testament to this commitment, shining a spotlight on the research endeavors of our undergraduate and graduate students in collaboration with esteemed faculty mentors.

This symposium, organized by the CEHD Office of Student and Academic Affairs, serves as a celebration of our students' achievements and contributions to their respective fields. Thank you for joining us as we celebrate the spirit of academic curiosity and exploration that defines our vibrant community.

EVENT SCHEDULE

Arrival and Poster Preview	6:00 - 6:10 PM
Welcome and Opening Remarks.	6:10 - 6:15 PM
Oral Presentations	6:15 - 6:30 PM
Refreshments Available	6:30 - 8:00 PM
First Half of Poster Presentations (A)	6:30 - 7:15 PM
Poster Flip (Side A to Side B).	7:15 - 7:20 PM
Second Half of Poster Presentations (B)	7:20 - 8:05 PM

ORAL PRESENTATIONS



Luke Gilman

MS Educational Psychology,
Learning, Motivation, and Cognition Concentration

Faculty Mentors:

Dr. Kimberly Sheridan, Dr. Marvin Powell,
and Dr. Joel Martin

**Physical Fitness and Cognitive Performance in the Military:
A Cross-sectional Correlational Study**

This study examined whether higher levels of aerobic capacity, anaerobic capacity, muscular endurance, and coordination were associated with executive control, cognitive resilience, and spatial cognition through regression analysis of entry level training data in a sample of U.S. Marine Corps officers.



Eunjin Han

PhD in Education,
Higher Education Specialization

Faculty Mentor:

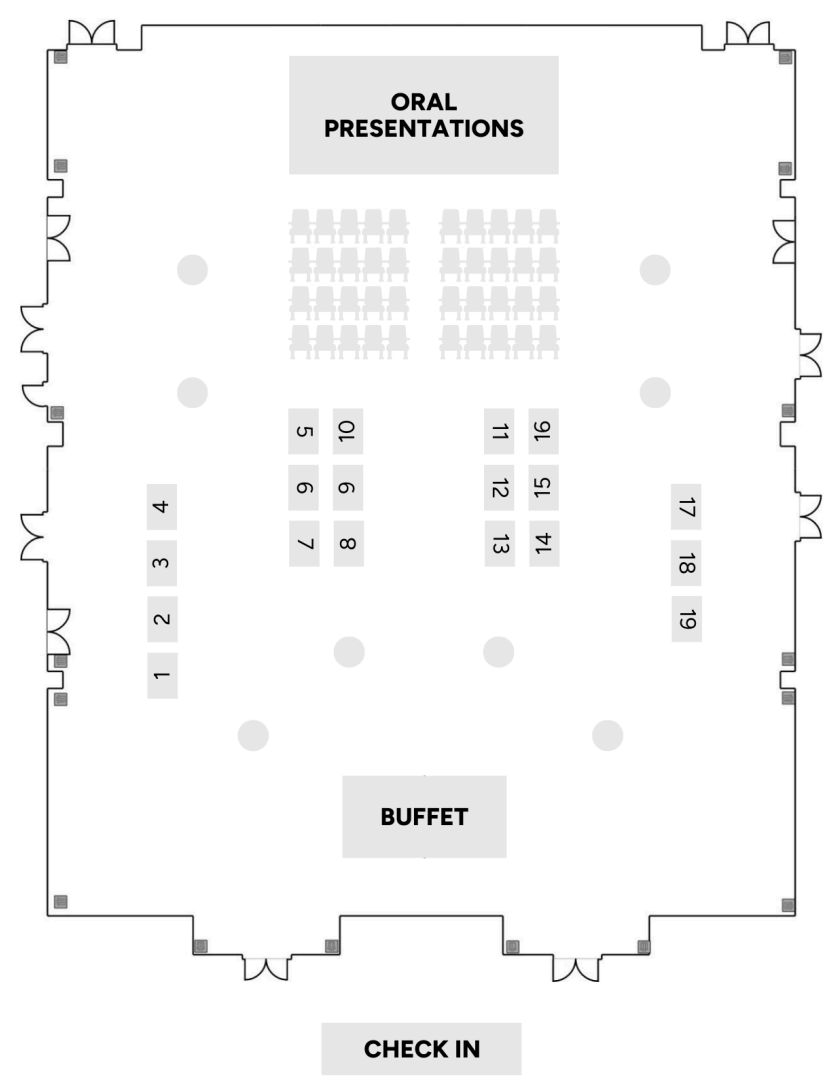
Dr. Chrystal George Mwangi

**Addressing Mental Health Barriers:
Improving Counseling Services for International Students**

International students face unique mental health challenges, yet many underutilize counseling services due to cultural stigma, accessibility issues, and institutional barriers. This systematic literature review examines the factors limiting engagement and explores best practices for improving mental health support in higher education. Findings highlight the need for culturally competent counseling, multilingual resources, and enhanced coordination between counseling and academic advising. By addressing these systemic barriers, universities can foster a more inclusive and supportive environment, ultimately improving student well-being, academic success, and institutional effectiveness in serving a diverse student population.

LAYOUT OF PRESENTATIONS

Dewberry Hall, Johnson Center



**PLEASE PROVIDE FEEDBACK
FOR OUR POSTER PRESENTERS**

Scan the QR code below to submit our feedback form
forms.office.com/r/H7TGtNfuXe



All poster presenters will receive anonymous
feedback following the event.

**This year, a 'People's Choice Award' will be
given based on the feedback from this form!**

POSTER PRESENTATIONS (A)

- 1A Yossi Shaul** – PhD in Education (Kinesiology)
Megan Sax van der Weyden - PhD in Education (Kinesiology)
Michael Toczko - PhD in Education (Kinesiology)
Nasser McCummings – MS Kinesiology
Kayleigh Newman – BS Kinesiology
Faculty Mentor: Dr. Joel Martin
Impact of Body Fat Change on ACFT Performance in ROTC Cadets During an Academic Year
- 2A Erica King** – PhD Bioengineering
Faculty Mentor: Dr. Margaret T. Jones
Patellar Tendon Adaptations in Women Athletes: Associations Between External Workload and Neuromuscular Performance Across a Volleyball Season
- 3A David Lemmons** – PhD in Education (Higher Education)
Faculty Mentor: Dr. Kelly Schrum
Figuring It Out: Teaching Preparation for Academic Librarians
- 4A Kelly Conn-Reda** – PhD in Education (Special Education and Education Leadership)
Faculty Mentor: Dr. Grace L. Francis
Changing Needs for a Changing Student Body: Evaluating a Separate Public Special Education Program for Youth with EBD in Northern Virginia
- 5A Beth Anne Hosek** – PhD in Education (Educational Psychology and Research Methods)
Joshua Rosenbaum - University of Mississippi
Faculty Mentor: Dr. Divya Varier
Charting challenges and successes: A scoping review of ACEs and Academic Outcomes in Adolescence
- 6A Teresa Wu** – PhD in Education (Learning Technologies Design Research)
Faculty Mentor: Dr. Nada Dabbagh
FairView Academy: A Serious Game Prototype for Implicit Bias Mitigation for K-12 Teachers

- 7A Pamela Coan Epler** – PhD in Education (Early Childhood Education)
Faculty Mentors: Dr. Daniel Ferguson, Dr. Leslie La Croix, and Dr. Carley Fisher-Maltese
An Exploratory Study: Early Childhood Teachers' Perspectives Using Dialogic Reading and Print Referencing to Teach Early Literacy in the Preschool Classroom Using a Learn It Framework
- 8A Emma Jo Hargis** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, and Dr. Candace Lacayo
Bilateral Vesicoureteral Reflex in a Female Dancer: A Level 4 Case Study
- 9A Taylor Andersen** – MS Athletic Training
Faculty Mentor: Dr. Amanda Caswell
Juvenile Osteoporosis in a High-Impact Sport: A Level 4 Case Study
- 10A Jacklyn Rowland** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, and Dr. Candace Lacayo
Patellofemoral Pain Syndrome in a 20-Year-Old Female Rower
- 11A Tracy Cator** – MS Educational Psychology
Faculty Mentor: Dr. Kimberly Sheridan
Looking Inside the Classroom: Examining Secondary Science Teachers' Perspectives on Formative Assessment
- 12A Dorsa Sadeghi** – MEd Counseling (Clinical Mental Health)
Faculty Mentor: Dr. Theodor Hoch
Overcoming Cultural Obstacles to Fully Experience Pleasure
- 13A Jackson Mandart** – MS Kinesiology
Faculty Mentor: Dr. Joel Martin
Influence of Fat-free Mass on Army Combat Fitness Test and Explosive Performance in ROTC Cadets

POSTER PRESENTATIONS (A)

- 14A Max Montiel** – MS Sport and Recreation Studies
Faculty Mentor: Dr. Chris Green
Determinants of Public Opinion of Bids for the Olympic Games
- 15A Courtney Gerrity** – MS Kinesiology
Yossi Shaul – PhD in Education (Kinesiology)
Faculty Mentor: Dr. Joel Martin
Comparing the Accuracy of Heart Rate Maximum Prediction Equations Between High and Low Fitness Groups
- 16A Emi Reindle** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, Cheryl Hairston, and Dr. Candace Lacayo
Achilles Tendon Rupture in a 19-Year-Old Female Track Athlete
- 17A Patrick King** – BS Kinesiology
Mackenzie Barrowman – MS Kinesiology
Faculty Mentors: Dr. Tiphonie Raffegneau, Dr. Qi Wei (College of Engineering and Computing), and Dr. Jessica Huber (University of Buffalo)
Classifying Gestures During Dual Task Walking and Obstacle Crossing Using Supervised Machine Learning
- 18A Marcela Bolognesi-Fuentes** – BS Kinesiology
Faculty Mentor: Dr. Joel Martin
Counter movement Jump Neuromuscular Impairments Induced by Heat and Exercise Exposure
- 19A Hailey Zutic** – BS Biology
Noelle Saine – PhD in Education (Interdisciplinary Studies)
Lauren Distad – BS Biology
Faculty Mentors: Dr. Margaret T. Jones, Dr. Jennifer B. Fields (University of Connecticut), and Dr. Andrew Jagim (Mayo Health Clinic)
Seasonal Changes in Body Composition in Collegiate Women Athletes

POSTER PRESENTATIONS (B)

- 1B Salvatore Ferranti** – PhD in Education (Interdisciplinary and Kinesiology)
Faculty Mentor: Dr. Debra Stroiney
A Scale Validation of Teaching Self-Efficacy in Kinesiology Faculty
- 2B Noelle Saine** – PhD in Education (Interdisciplinary Studies)
Faculty Mentors: Dr. Margaret T. Jones, Dr. Chris Green, Dr. Jennifer B. Fields
(University of Connecticut), and Dr. Andrew Jagim (Mayo Health Clinic)
Monitoring Reported and Measured Game Fatigue Recovery in Collegiate Women Lacrosse Athletes During the Sport Season
- 3B Sarah Español** - PhD in Education (Special Education)
Christina Eagle – PhD in Education (Special Education)
Kelly Conn-Reda – PhD in Education (Special Education and Education Leadership)
Latisha Elcock – MS Educational Psychology
Morgan Shirley - BA Government and International Politics
Faculty Mentor: Dr. Grace L. Francis
Schools and Families as Potential Partners in Title 1 Schools: A Critical Discourse Analysis of School Websites and ESSA Plans
- 4B Krishna Cart** – PhD in Education (Curriculum and Instruction)
Faculty Mentor: Dr. Dawn Hathaway
Wildfire Command: Guardians of the Greens
- 5B Eileen J. Manchester** – PhD in Education (Educational Psychology and Research Methods)
Faculty Mentors: Dr. Kimberly Sheridan and Dr. Alexandra Patzak
Constructing Learning in Library, Archive, and Museum Discourses
- 6B Jonathan D'Souza** – PhD in Education (Research Methods and Education Policy)
Faculty Mentor: Dr. Supriya Baily
School Leadership: How High School Principals Leverage Stakeholders to Implement College and Career Readiness

- 7B Diamond Andress** – PhD in Education (Higher Education)
Faculty Mentor: Regina Biggs
Beyond Hispanic: Racial Differences in Math and Reading Achievement Among Multiracial Hispanic Students
- 8B Asuka Nuwere** – MS Educational Psychology
Faculty Mentor: Dr. Angela D. Miller
Exploring Teacher Self-Efficacy: The Development of a Subscale for Teacher Self-Efficacy in Adaptability
- 9B Jahliya Sisohor** – MS Kinesiology
Yossi Shaul – PhD in Education (Kinesiology)
Faculty Mentor: Dr. Joel Martin
Comparing the Agreement of App-Based Digital Image Estimate of Body Composition to the Bod Pod & InBody Analyzer
- 10B Shannon Smith** – MS Kinesiology
Faculty Mentor: Dr. Debra Stroiney
Community Wellness Effectiveness to Improve Lifestyle, Health Outcomes, and Quality of Life Among Women in Victoria Falls
- 11B Madison Morin** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, and Dr. Candace Lacayo
Non-contact Patella Subluxation, Patella Tendon Tear, and Avulsion Fracture
- 12B Jordan Fleet** – MS Athletic Training
Faculty Mentor: Dr. Amanda Caswell
Lateral Ankle Sprain Leads to Peroneal Subluxation in NCAA Division I Basketball: Level 4 Case Study
- 13B Bryce Beazley** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, Dr. Candace Lacayo, Dr. Heather Murphy, and Caroline Taylor (Thomas Jefferson High School)
Posterior Tibialis Tendonitis in a High School Boys' Basketball Player

POSTER PRESENTATIONS (B)

- 14B Cristian Meneses** – MS Athletic Training
Faculty Mentor: Dr. Amanda Caswell
Arthroscopy Chondroplasty of a 20-year-old Student Athlete: A Level 4 Case Study
- 15B Kelly Fitzgerald** – MS Athletic Training
Faculty Mentors: Dr. Amanda Caswell, Dr. Marcie Fyock, and Dr. Candace Lacayo
Tibial Tubercle Osteotomy: A Level 4 Case Study
- 16B Frederick Early** – BS Business
Faculty Mentor: Dr. Donald L. Jones
Urban Design, Culture Influence, and Physical Fitness: A Cross-National Look at Exercise Behaviors
- 17B Lauren Distad** – BS Biology
Faculty Mentors: Dr. Margaret Jones, Dr. Angela Miller, and Dr. Parag Chitnis (College of Engineering and Computing)
Relationships Between Sport Position, Patellar Tendon Adaptations, and Self-Reported Measures in Collegiate Women Volleyball Athletes Across a Season
- 18B Hope Falon-Mazer** – BS Kinesiology
Kelly Poretti – PhD in Education
Faculty Mentors: Dr. Tiphanie Raffegeau, Dr. Quentin Sanders (College of Engineering and Computing), Dr. Toby J. Ellmers (Imperial College London), and Dr. Christopher J. Rhea (Old Dominion University)
Transfer of Habituation of Cognitive Capacity after VR Intervention in Young Adults



MANY THANKS TO THE FOLLOWING:

9th Annual CEHD
Student Research Symposium
Presenters

CEHD Faculty Judges

The Office of Scholarship,
Creative Activities, and Research

University Libraries'
Printing Arts Lab

University Creative Services

University Event Services

Sodexo Catering



Thank you
for supporting
student research

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