

THE OHIO STATE UNIVERSITY
COLLEGE OF EDUCATION AND HUMAN ECOLOGY



2017

EHE
STUDENT
RESEARCH
FORUM

2 | 2017 EHE STUDENT RESEARCH FORUM

UPCOMING EHE OFFICE OF RESEARCH WORKSHOPS

Our office has lots of upcoming workshops and webinars for you to attend! Please visit our events page at go.osu.edu/ResearchEvents for additional events and to register.

4/10/17 1:00pm - 2:30pm Research Commons	Archiving Data 18th Avenue Library
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4/14/17 1:00pm - 3:00pm College Commons	EHE Centers Expo: Partnerships, Projects, Programs 260 Ramseyer Hall
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ABOUT THE EHE OFFICE OF RESEARCH

From start to finish, the Office of Research works closely with faculty, staff, students and administration in The College of Education and Human Ecology to secure funds and provide post-award support for researchers.

In addition to pre-award and post-award services, office staff administer programs for faculty and graduate students that include dissertation fellowships, travel support and seed grants. We provide training opportunities throughout the year related to proposal development and grant administration as well.

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For information about all our services and contact information, please go to ehe.osu.edu/research.

WELCOME TO THE 2017 EHE STUDENT RESEARCH FORUM FRIDAY, FEBRUARY 24, 2017 OHIO UNION

This annual event, sponsored by the EHE Office of Research, highlights the research of our graduate and undergraduate students. We have over 90 student presentations, both oral and poster, describing completed, in-progress, and proposed studies as well as literature reviews. The oral presentations are grouped so that similar topics are clustered. The posters will be available for viewing all day in the Cartoon Room, with half of the posters “manned” during Session 2 and the other half during Session 3. A quick guide, found on pages 8/9, provides an overview of the presenters and when and where they will be presenting their research. Short abstracts of the presentations are found in the following section. Floor plans can be found in the back of this booklet.

We appreciate feedback on the day’s events – please go to go.osu.edu/2017forumfeedback and let us know how we can make next year’s event even better. You are also welcome to contact me directly with any additional ideas you would like to share.

Hope you enjoy today’s events and thanks so much for attending!

Dr. Kimberly Lightle
Director, EHE Office of Research
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SCHEDULE OF EVENTS

EVENT	TIME	LOCATION**
Registration and Check-In	7:45-8:30am	Cartoon Room Hallway
Poster Drop Off	7:45-8:30am	Cartoon Room
Session 1: Oral Presentations	8:30-10am	Breakout Rooms
Session 2: Oral Presentations	10:15-11:45am	Breakout Rooms
Session 1: Posters	10:15-11:45am	Cartoon Room
Lunch and Keynote Speaker	11:45am-1pm	Great Hall Meeting Room
Session 3: Oral Presentations	1:15-2:45pm	Breakout Rooms
Session 2: Posters	1:15-2:45pm	Cartoon Room
Poster Take-Down	2:45-3:00pm	Cartoon Room

**All rooms are on the 3rd floor of the Ohio Union except the Great Hall Meeting room which is on the 1st floor. Maps of the facility are found on pages at the end of this program.

2017 EHE FORUM PLANNING COMMITTEE

POSTERS AND PRESENTATIONS COMMITTEE

Nivedita Bhaktha, Committee Chair

Rebecca Berenbon
Mine Dogucu
Leah Frazee
Hyun Jung Joo
Yeoeun Kim
Amy Kulesza
Sarah Lightner

Susie Mauck
Maureen Myrtil
Robert Nichols
EJ Park
Shayne Piasta
Yang Shi
Tracey Walterbusch

Meng Wang
Yixi Wang
Christa Winkler
Menglin Xu

VOLUNTEER COMMITTEE

Michael Leonard, Committee Chair

Jee-Ahe Ahn
Rachel Arocho
Miranda Berrigan
Vanja Bogicevic
Jiaying Cheng
William DuPont
Marissa Green

LeiahGroom
Yaohui He
Cynthia Lin
Can Lu
Congrong Ouyang
Eunjeong Park
Seung Yeon Park

Paul Post
Afida Safriani
Valentina Sokoastri
Xiuye Xie
Menglin Xu
Christopher Yaluma

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2017 EXHIBITORS

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EHE RESEARCH METHODOLOGY CENTER

rmc.ehe.osu.edu

**QUANTITATIVE RESEARCH, EVALUATION, AND MEASUREMENT
(QREM) STUDENT ORGANIZATION**

Amy Kulesza, Primary Leader, kulesza.5@osu.edu

THE UNDERGRADUATE RESEARCH OFFICE

undergraduateresearch.osu.edu

UNIVERSITY LIBRARIES: RESEARCH COMMONS

library.osu.edu/researchcommons/

ORAL PRESENTATIONS

	SESSION I 8:30AM - 10:00AM	SESSION II 10:15AM - 11:45AM	SESSION III 1:15PM - 2:45PM
BARBIE TOOTLE	Yahyahan Aras Lauren Acree Leona Houston Taufik Mulyadin	Marissa Green & Kristin Henkalin Ryan Kapa Julia Novakowski, Britt Collier-Gibson & Keith Bell	Mine Dogucu Meng-Ting Lo, Tiffany Steele & Alexis Little James Uanhoro Yixi Wang
SUZANNE M. SCHARER	Scott Dueker Alana Oif Dennis Priebe Rachel Seaman & Amy Heider	Jee Ahe Ahn Jiaxing Cheng Iva Jestratijevic Gui Jeong Kim	Rachel Arocho Megan Ferriby Seulki Ku Catherine Van Fossen
HAYES CAPE	Sugene Cho Kelly Haller Congrong Ouyang Julia Yan	Taylor Banh Bradley Cotten Deena Snoke	Jennifer Cotto William DuPont Emily Phillips
ROSA M. AILABOUNI	Devin Laurent Emi Tsuda Xiuye Xie	Hyun Jung Joo Hyoseon Lee Christopher Yaluma	Eunjeong Park Wenli Zhang Nancy (Yanan) Zhao
TANYA R. RUTNER	Tanja Burkhard Karen Koehler Jungmin Lee & Marla Goins Guangyi Wang	Elizabeth Kocher Wahyu Setioko Vinta Tiarani & Trudy Giasi	

POSTER PRESENTATIONS

CARTOON ROOM

Each student presenter has been assigned a number to indicate their poster grid location.

SESSION II

10:15AM - 11:45AM

- (1) Erni Adelina
- (3) Sahra Ahmed
- (5) Yahyahan Aras
- (7) Xin Ni Au
- (9) Richard Bailey & Daniel Wray
- (11) Vanja Bogicevic
- (13) Kyuil Cho
- (15) Kyler Cowgill
- (17) Danene Fast
- (19) Chad Gerber
- (21) Leiah Groom
- (23) Kelsey Higginson
- (25) Karis Inboden
- (27) Youngwon Nam
- (29) Eunjeong Park
- (31) Fadillah Sandy
- (33) Emi Tsuda
- (35) Bin Wang

SESSION III

1:15PM - 2:45PM

- (2) Patrick Bortz
- (4) John Bouranis
- (6) Aina Cid & Yadira Valdez
- (8) Carrie Davenport
- (10) Clara Devine & Jenny Zavatsky
- (12) Rachel Garcia
- (14) Nora Goss, Anna Rieck & Laura Lyght
- (16) Barbara Hodgdon
- (18) Yiting Lan
- (20) Yilin Li
- (22) Meghna Mahambrey
- (24) Kevin Mo
- (26) Hyon Ju Oh
- (28) Holly Paden
- (30) Brawnie Petrov
- (32) Dennis Priebe
- (34) Afida Safriani
- (36) Kylie Thompson
- (37) Natosha Willis
- (38) Xiuye Xie

2017 KEYNOTE

CHERYL ACHTERBERG



**DEAN, COLLEGE OF EDUCATION
AND HUMAN ECOLOGY**

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Cheryl Achterberg, a leading scholar in nutrition education and behavior interventions, has been the dean of the College of Education and Human Ecology at The Ohio State University since July 2008.

During her tenure, the dean has led major initiatives, including grouping faculty research and teaching interests into three departments. She oversaw the college's two-year review and revision of 1,300 courses to improve curriculum as Ohio State moved to semesters. The review resulted in offering all EHE teacher licensure programs at the bachelor's level, as well as master's.

Before coming to Ohio State, Dr. Achterberg was the inaugural dean of the College of Human Sciences at Iowa State University. She also was the founding dean of the Schreyer Honors College at the Pennsylvania State University, where she directed the Nutrition Center from 1992-96.

Dr. Achterberg earned her bachelor's degree in biological sciences at California Polytechnic State University at San Luis Obispo, her master's in human development at the University of Maine, and her Ph.D. in nutrition at Cornell University.

Dr. Achterberg will share her insights about the future of research.

SPECIAL THANKS

TO OUR 2017 FORUM DONORS

The EHE Office of Research, along with the 2017 EHE Student Research Forum Student Planning Committee, would like to thank the following donors for their support of this year's forum. The following donors generously provided items for this year's raffle and door prizes.



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ARTISTIC DIRECTOR

Ballet Met
balletmet.org/



CAPA
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chileverdecafe.com/



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Rossen Milanov, Music Director

**Columbus Symphony
Orchestra**
columbussymphony.com/



Donatos Pizza
donatos.com/

ORAL PRESENTATIONS

SESSION I: 8:30AM – 10:00AM

ROOM: BARBIE TOOTLE

YAHYAHAN ARAS

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EDUCATIONAL STUDIES, COUNSELOR EDUCATION
COLETTE DOLLARHIDE, ADVISOR

IMMIGRANT/REFUGEE STUDENTS' PERCEPTIONS OF RECEIVING SUPPORT FROM SCHOOL COUNSELING SERVICES

Due to the increasing number of diverse background students in U.S. schools, it is vitally important to recognize how race, cultural differences, language barriers and psychological needs influence immigrant/refugee students academically and psychologically, and how these challenges impact their interactions with their school counselors.

LAUREN ACREE

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EDUCATIONAL STUDIES, EDUCATIONAL ADMINISTRATION
ANIKA ANTHONY, ADVISOR

USING COMPETENCY BASED PROFESSIONAL DEVELOPMENT TO INCREASE ENGAGEMENT IN MASSIVE OPEN ONLINE COURSES

In this study, I use a randomized study design to examine the extent to which a competency based approach to professional learning can affect engagement in and changes in practice resulting from online PD. Early results suggest that educators in the treatment group were more engaged and more effectively integrated course ideas into their practice.

LEONA HOUSTON

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EDUCATIONAL STUDIES, EDUCATIONAL ADMINISTRATION
ANIKA ANTHONY, ADVISOR

INTERCULTURAL COMPETENCE AND COLLEGE READINESS: A COMPARATIVE STUDY OF FIRST-YEAR STUDENTS AT A COMMUNITY COLLEGE AND A FOUR-YEAR UNIVERSITY

Though colleges and the workforce increasingly demand culturally competent skills, these skills are absent from the factors for college readiness. This research shows where first year college students rank on average, at Polarization which reflects an “us and them” judgmental view on cultural differences.

TAUFIK MULYADIN

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EDUCATIONAL STUDIES, HIGHER EDUCATION AND
STUDENT AFFAIRS

TATIYANA SUSPITSYANA, ADVISOR

THE PURPOSES OF HIGHER EDUCATION ON AUTONOMOUS UNIVERSITY WEBSITES: A CASE OF INDONESIA

The study analyzes both textual and visual elements to examine what websites of Indonesian autonomous universities reveal about purposes of higher education. The findings suggest that the websites communicate a message with more emphasis on professional development and knowledge generation rather than on character building and community services.

ORAL PRESENTATIONS

SESSION I: 8:30AM – 10:00AM

ROOM: SUZANNE M. SCHARER

SCOTT DUEKER

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EDUCATIONAL STUDIES, SPECIAL EDUCATION
HELEN MALONE, ADVISOR

COMPARING VIDEO PROMPTING AGAINST IN-VIVO PROMPTING TO TEACH TWO PERSONAL CARE SKILLS

This study compared video prompting against in-vivo prompting for teaching children with moderate to severe disabilities to perform two daily living tasks: shoe tying and buttoning a shirt. Results of a multiple baseline across participants with embedded alternating treatments design showed that all learners acquired skills through intervention.

ALANA OIF

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EDUCATIONAL STUDIES, SPECIAL EDUCATION
MOIRA KONRAD, ADVISOR

A CULTURALLY RESPONSIVE READING FLUENCY INTERVENTION FOR AFRICAN-AMERICAN URBAN STUDENTS AT RISK FOR READING FAILURE

This study discusses the effects of a computer-delivered, culturally relevant, repeated reading intervention on the oral reading fluency and comprehension of urban learners. Five first-grade African American students at risk for reading failure were selected to participate in this study. Student growth and future implications will be discussed.

DENNIS PRIEBE

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EDUCATIONAL STUDIES,

WORKFORCE DEVELOPMENT AND EDUCATION

DAVID STEIN, ADVISOR

FIRST-YEAR INTERNATIONAL UNDERGRADUATE STUDENTS' ACADEMIC LISTENING AND NOTE-TAKING IN MULTIMEDIA LECTURE SETTINGS

Regression analysis was conducted to examine the variance in engagement explained by predictor variables. Work engagement, role overload, job enrichment, organizational support, person-job fit, and occupational self-efficacy measures were collected using published scales. The ordinal data was transformed to interval data using the Rasch model.

RACHEL SEAMAN

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EDUCATIONAL STUDIES, SPECIAL EDUCATION

HELEN MALONE, ADVISOR

EFFICACY OF JOB-COACH IMPLEMENTED VIDEO MODELING ON VOCATIONAL SKILLS OF STUDENTS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITIES

Video prompting is an evidence-based practice that can be used to quickly and efficiently teach a variety of skills, and offers several advantages when implemented in an employment setting. Given its feasibility with students with ASD and IDD, as well as its effectiveness in teaching vocational skills, it is key that practitioners are trained in video prompting. This study uses a multiple-probe-across-participants design to evaluate the efficacy of job coach implemented video prompting for students with ASD and IDD in their place of employment.

ORAL PRESENTATIONS

SESSION I: 8:30AM – 10:00AM

ROOM: HAYES CAPE

SUGENE CHO

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HUMAN SCIENCES,

HUMAN DEVELOPMENT AND FAMILY SCIENCE

KELLY PURTELL, ADVISOR

THE TIMING OF TRANSITION TO COLLEGE: THE ROLE OF PARENTAL SUPPORT AND FUTURE EXPECTATIONS

This study explores how family income and parental social support predict young adult's future expectations and timing of college enrollment, an important predictor of future college persistence. We also examine how future expectations serve as a linkage between the social and financial family contexts and timing of college enrollment.

KELLY HALLER

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND FAMILY SCIENCE
XIN FENG, ADVISOR

**COMPARING MOTHERS' SELF-REPORTED AND OBSERVED
RESPONSES TO CHILDREN'S NEGATIVE EMOTIONS**

This study examined the relation between a mother's self-reported and exhibited response to a child's expression of negative emotion and whether maternal depressive symptoms had any effect on the relation between responses. Results suggest mothers may not be aware of their responses to a child's expression of negative emotion, and maternal depressive symptoms may play a role in a mother's response.

CONGRONG OUYANG

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND FAMILY SCIENCE
SHERMAN HANNA, ADVISOR

**THE FINANCIAL OBLIGATIONS BURDEN OF U.S. HOUSEHOLDS
AFTER THE GREAT RECESSION**

The purpose of this paper is to examine factors correlated to households with high financial obligations ratios after the Great Recession in the United States. The proportion of households paying more than 40% of income for debt, rent, vehicle leases, property taxes and homeowners' insurance is referred as having heavy financial burden.

ORAL PRESENTATIONS

SESSION I: 8:30AM – 10:00AM

ROOM: ROSA M. AILABOUNI

DEVIN LAURENT

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HUMAN SCIENCES, KINESIOLOGY

RICK PETOSA, ADVISOR

A SELF-REGULATION BASED EXERCISE INTERVENTION ON EXERCISE ADHERENCE IN ADULTS ENROLLED IN A FACULTY AND STAFF FITNESS PROGRAM AT OSU

The purpose of the RCT study is to implement self-regulatory behaviors that enhance participants exercise adherence within a faculty and staff fitness program at OSU. Participants meet one-on-one with a trained program staff member one day a week over a 6-week period to plan and utilize specific self-regulation strategies with a 12-week follow-up.

EMI TSUDA

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HUMAN SCIENCES, KINESIOLOGY

PHILLIP WARD, ADVISOR

**DIFFERENCES IN THE CONTENT KNOWLEDGE OF THOSE
TAUGHT TO TEACH AND THOSE TAUGHT TO PLAY**

It has been hypothesized that specialized content knowledge (SCK; knowledge of instructional representations, tasks and errors) is not acquired through experiences in sports or physical activities. This study examined the SCK of students enrolled in university physical education basic instruction and pre-service teacher education classes.

XIUYE XIE

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HUMAN SCIENCES, KINESIOLOGY

WEIDONG LI, ADVISOR

**WHAT CONTENT SHOULD BE TAUGHT TO COLLEGE
STUDENTS IN THE BEGINNING TABLE TENNIS CLASS?**

The purpose of this study is to identify the techniques and tactics that are appropriate to be taught to college students in table tennis at the beginning level. The methods used in the study include two steps: videos watching and expert ratings.

Eventually, five techniques and five tactics are identified.

ORAL PRESENTATIONS

SESSION I: 8:30AM – 10:00AM

ROOM: TANYA R. RUTNER

TANJA BURKHARD

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TEACHING AND LEARNING,

MULTICULTURAL AND EQUITY STUDIES IN EDUCATION

VALERIE KINLOCH

TRANSNATIONAL KNOWLEDGES AT THE INTERSECTIONS: THE NARRATIVES, LANGUAGES, AND LITERACIES OF BLACK TRANSNATIONAL WOMEN

This qualitative research study explores the narratives, languages, and literacies of Black women from across the African diaspora, who currently reside in the United States. These narratives are explored to shed light on the ongoing effects of colonialism, racism, and sexism on the educational trajectories of Black women.

KAREN KOEHLER

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TEACHING AND LEARNING,

LANGUAGE, EDUCATION, AND SOCIETY

TIFFANY WILD, ADVISOR

STUDENTS WITH VISUAL IMPAIRMENTS ACCESS AND PARTICIPATION IN THE SCIENCE CURRICULUM: VIEWS OF TEACHERS OF STUDENTS WITH VISUAL IMPAIRMENTS

This presentation describes the results of a research study using a survey instrument, disseminated to teachers of the visually impaired throughout the United States and Canada, to help determine how students with visual impairments are being educated in the science classroom.

JUNGMIN LEE & MARLA GOINS

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TEACHING AND LEARNING,
LANGUAGE, EDUCATION, AND SOCIETY
MULTICULTURAL AND EQUITY STUDIES IN EDUCATION
SARAH GALLO & TIMOTHY SAN PEDRO, ADVISORS

“OUR STORIES ARE OUR THEORIES”: CULTURALLY RELEVANT AND SUSTAINING PEDAGOGIES IN RESEARCH ON INDIGENOUS AMERICANS

This study seeks to investigate the ways in which research concerning the education of indigenous subjects in the U.S. has considered, defined, and critiqued the theories of Culturally-Relevant Pedagogy (CRP) and Culturally-Sustaining Pedagogy (CSP).

GUANGYI WANG

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HUMAN SCIENCES, CONSUMER SCIENCES
SHERMAN HANNA, ADVISOR

RACIAL/ETHNIC DIFFERENCES IN HIGH RETURN INVESTMENT OWNERSHIP

The main purpose of this study is to investigate the racial/ethnic differences in high return investment ownership. Holding other household characteristics such as risk preference, wealth, and education, Black, Hispanic, and Asian/Other households are still found to be less likely to invest in high return investments than White households.

ORAL PRESENTATIONS

SESSION II: 10:15 - 11:45AM

ROOM: BARBIE TOOTLE

MARISSA GREEN & KRISTIN HENKALINE

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EDUCATIONAL STUDIES,

EDUCATIONAL PSYCHOLOGY AND PHILOSOPHY

ERIC AND LYNLEY ANDERMAN, ADVISORS

THE IMPORTANCE OF ACADEMICS IN STUDENTS' SENSE OF BELONGING IN A STEM-FOCUSED SCHOOL

The present study shows that academic aspects are important for student's sense of belonging in a STEM School in the Midwest. In contrast to the author's hypothesis, student's sense of belonging did not differ based on their gender or race, which suggests that all students at this school have an equal opportunity to feel as though they belong.

RYAN KAPA

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EDUCATIONAL STUDIES, EDUCATIONAL POLICY
BELINDA GIMBERT, ADVISOR

**TEACHER JOB SATISFACTION, VICTIMIZATION, AND SCHOOL
RULE REINFORCEMENT**

This presentation explores the effect of two workplace conditions, victimization and school rule reinforcement, on teacher job satisfaction, a pressing concern for the educational community in an era of increased accountability. Multilevel logistic analysis is utilized to assess the impact of these variables. Implications for practice are discussed.

**JULIA NOVAKOWSKI, BRITTANY
COLLIER-GIBSON & KEITH BELL**

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BELL.343@OSU.EDU**

EDUCATIONAL STUDIES, EDUCATIONAL PSYCHOLOGY AND
PHILOSOPHY, EDUCATIONAL ADMINISTRATION
BRYAN WARNICK & ROGER GODDARD, ADVISORS

**INCREASING DIVERSITY IN HIGHER EDUCATION
THROUGH ACTIVE PARTICIPATION IN DATA ANALYSIS AND
CONVERSATION**

The purpose of this study is to develop a framework for use by educators and activists interested in expanding the representation of diversity in higher education and education writ large. Using live data from student enrollment, the goal is to change from a passive observer of data to an active participant.

ORAL PRESENTATIONS
SESSION II: 10:15 - 11:45AM
ROOM: SUZANNE M. SCHARER

JEE AHE AHN

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HUMAN SCIENCES, CONSUMER SCIENCES

SOOBIN SEO, ADVISOR

CELEBRITY CHEF CO-BRANDING IN RESTAURANT INDUSTRY

This study aims to address how restaurants and celebrity chefs are respectively affected by the culinary co-branding partnership and which type of co-branding partnership is more effective for restaurants and celebrity chefs individually.

JIAXING CHENG

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HUMAN SCIENCES, CONSUMER SCIENCES

SOOBIN SEO, ADVISOR

**KOREAN CELEBRITY ENDORSEMENTS IN CHINA: THE ROLE
OF BRAND-LANGUAGE COO CONGRUENCE AND ENDORSER
PERCEIVED GLOBALNESS**

This study investigated the effect of brand-language COO congruence and endorsers' perceived globalness on the advertising credibility. The results indicated that the brand-language COO congruence leads to higher advertising credibility compared to that of incongruent situations and endorser's perceived globalness moderates this relationship.

GUI JEONG KIM

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HUMAN SCIENCES, CONSUMER SCIENCES

DREW HANKS, ADVISOR

**LOSS AVERSION IN CONSUMPTION-SAVING BEHAVIOR
BASED ON REFERENCE-DEPENDENT MODEL**

I examine the existence of loss aversion in reference dependent consumption behavior in response to change in current income relative to reference income level using the household data, following assumptions of Prospect Theory. Households' perceived normal consumption expenditure and normal income are used in this study as a reference status.

ORAL PRESENTATIONS

SESSION II: 10:15 - 11:45AM
ROOM: HAYES CAPE

TAYLOR BANH

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HUMAN SCIENCES, HUMAN NUTRITION

MARTHA BELURY, ADVISOR

DOES OVEREXPRESSION OF ADIPONECTIN PREVENT MUSCLE WASTING IN MICE WITH CANCER CACHEXIA?

Cancer-induced cachexia results in uncontrolled weight loss and is responsible for one-third of all cancer-related deaths. Fat secretes a protein, adiponectin, that I hypothesize protects against muscle loss during cancer cachexia. The purpose of my study is to determine if overexpression of adiponectin can prevent muscle wasting in this disease.

BRADLEY COTTEN

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HUMAN SCIENCES, HUMAN NUTRITION

MARTHA BELURY, ADVISOR

THE FLAVONOIDS, NARINGENIN AND 8-PRENYLNARINGENIN, ACCUMULATE IN SKELETAL MUSCLE AND INCREASE EXPRESSION OF MYOGENIC GENES

Cachexia is a systemic energy-wasting syndrome, characterized by muscle atrophy, adipose tissue wasting, and tumor-driven inflammation. As there are currently no effective therapies to reverse cachexia, my research investigates nutritional therapies that prevent muscle atrophy and promote muscle function in a mouse model of cancer cachexia.

DEENA SNOKE

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HUMAN SCIENCES, HUMAN NUTRITION

MARTHA BELURY, ADVISOR

DO CHEMOTHERAPY AGENTS FOR CANCER TREATMENT IMPAIR MITOCHONDRIAL FUNCTION BY ALTERING PHOSPHOLIPID COMPOSITION?

Chemotherapy causes cardiotoxicity, which prevails years after treatment. Cardiolipin (CL), a phospholipid in mitochondrial membranes, is integral for cellular energy balance. My research investigates changes in CL structure in mice treated with chemotherapy, as well as in a cardiac cell model.

ORAL PRESENTATIONS

SESSION II: 10:15 - 11:45AM

ROOM: ROSA M. AILABOUNI

HYUN JUNG JOO

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TEACHING AND LEARNING,
FOREIGN, SECOND, & MULTILINGUAL LANGUAGE
EDUCATION

ALAN HIRVELA, ADVISOR

A CASE STUDY OF A L2 WRITER IN HIGH SCHOOL ESL CLASSROOMS: ADVANCING THE KNOWLEDGE OF ACADEMIC WRITING

This two-year-long case study examines the L2 writing experiences of an immigrant student in U.S. high school ESL classrooms from her arrival as a junior to her graduation. Her mastery of academic discourse was possible due to exposure and opportunities to advanced academic writing through meaningful interaction and negotiation.

HYOSEON LEE

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TEACHING AND LEARNING,
FOREIGN, SECOND, & MULTILINGUAL LANGUAGE
EDUCATION

ALAN HIRVELA, ADVISOR

**PEER DIALOGUE AND FEEDBACK IN A WRITING GROUP FOR
CHINESE UNDERGRADUATE STUDENTS**

The present study explores how peer dialogue and feedback works for Chinese undergraduate students' English writing. Findings from observation, interview, and writing texts discuss the students' learning within the ZPD and the role of dialogue in the writing group. Pedagogical implications for teachers of international students are discussed.

CHRISTOPHER YALUMA

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EDUCATIONAL STUDIES, EDUCATIONAL POLICY
JAN NESPOR, ADVISOR

**ACCESS TO CHARTER SCHOOLS IN OHIO: SERVING OR
UNDERSERVING THE NEEDY?**

We investigate the true nature of charter schools as a viable alternative to low income families. Using census poverty education data and students' test scores, we use ArcGIS to hypothesize factors leading to locational preferences of charter schools in Ohio. Results suggest that charter schools are more responsive to underperformance than poverty.

ORAL PRESENTATIONS

SESSION II: 10:15 - 11:45AM

ROOM: TANYA R. RUTNER

ELIZABETH KOCHER

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TEACHING AND LEARNING,
SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS
HEA-JIN LEE, ADVISOR

THE DISCONNECT BETWEEN HIGH SCHOOL AND COLLEGE LEVEL MATHEMATICS; TEACHER, STUDENT, AND INSTRUCTOR PERSPECTIVES

This research study looks at the expectations of high school teachers and college instructors regarding mathematical college readiness, as well as college student perspectives on their remedial mathematics placement and mathematical experiences. A mixed methods study using survey and interview data revealed both contrasting and similar views.

WAHYU SETIOKO

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TEACHING AND LEARNING,
SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS
KAREN IRVING, ADVISOR

INFORMAL SCIENCE TEACHING PRACTICUM FOR PRESERVICE SCIENCE TEACHERS

This study investigates how preservice science teachers teach science concepts to visitors at a science museum as their teaching practicum. Initial and final teaching performances were recorded to evaluate changes in teachers' communication skills in teaching science. Elements of the practicum that contributed to the changes were revealed.

VINTA TIARANI & TRUDY GIASI

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TEACHING AND LEARNING,
SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS
KAREN IRVING, ADVISOR

ELEMENTARY STUDENTS' VIEWS ABOUT ENGINEERING AND TECHNOLOGY

This study aims to investigate the views held by elementary students about engineering and technology. Students from three elementary schools in the Midwest (N=257, grade pK–5) completed two pre-/post-test assessments targeting their understanding of engineering and technology. Findings and the comparison between pretest and posttest are presented.

ORAL PRESENTATIONS

SESSION III: 1:15 – 2:45PM

ROOM: BARBIE TOOTLE

MINE DOGUCU

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EDUCATIONAL STUDIES, QUANTITATIVE RESEARCH,
EVALUATION, AND MEASUREMENT
RICHARD LOMAX, ADVISOR

A POTENTIAL HORROR STORY FOR RESEARCHERS: NON- CONVERGENCE OF SOME OF THE MODELS FIT USING MULTIPLY IMPUTED DATASETS

Multiple imputation (MI) is a method used for replacing missing values with a set of plausible values. MI leads to multiple datasets as well as multiple sets of results which are then pooled to get final parameter estimates. This study focuses on pooling parameters where some of the sets of results are based on non-convergent models.

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EDUCATIONAL STUDIES, QUANTITATIVE RESEARCH,
EVALUATION, AND MEASUREMENT
TERRELL STRAYHORN, ADVISOR

EXPLORING THE IMPACT OF PRE-COLLEGE PROGRAMS ON INCOMING FIRST-YEAR COLLEGE STUDENTS' SENSE OF BELONGING

Sense of belonging is an important factor towards the retention of college students, especially, freshmen students. Interventions can be used in order to increase sense of belonging such as pre-enrollment programs. This study examined 15 pre-college programs and their effects on the development of sense of belonging for incoming freshmen students.

JAMES UANHORO

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EDUCATIONAL STUDIES, QUANTITATIVE RESEARCH,
EVALUATION, AND MEASUREMENT
ANN O'CONNELL, ADVISOR

ON THE IMPORTANCE OF ARTICULATING RESEARCH DESIGN

The role of research design in generating the evidence we need to answer the research questions we have is an often neglected part of the research process. This oral presentation attempts to provide researchers with a means of articulating research design, with the hope of bringing the evidence we collect into alignment with our research questions.

YIXI WANG

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EDUCATIONAL STUDIES, QUANTITATIVE RESEARCH,
EVALUATION, AND MEASUREMENT
TERRELL STRAYHORN, ADVISOR

KNOWLEDGEABLE ABOUT HIGHER EDUCATION: EXAMINATION OF I KNOW I CAN BLUEPRINT: COLLEGE PROGRAM

To evaluate the effectiveness of I Know I Can Blueprint: College program, statistical tests were conducted to estimate the significance of group differences. Results suggest parents gained information about college preparation, but did not translate it to behavioral differences with their student. Further implications and discussion are included.

ORAL PRESENTATIONS

SESSION III: 1:15 – 2:45PM

ROOM: SUZANNE M. SCHARER

RACHEL AROCHO

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HUMAN SCIENCES,

HUMAN DEVELOPMENT AND FAMILY SCIENCE

CLAIRE KAMP DUSH, ADVISOR

EXPECTATIONS OF DIVORCE IN SINGLE AND PARTNERED YOUNG ADULTS

Expecting to divorce even before marriage may predict behaviors like delaying marriage, but predictors of these expectations are poorly understood. In this study we examined numerous personal characteristics theorized to predict expectations of divorce in a diverse sample of young men and women with and without current partners.

MEGAN FERRIBY

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HUMAN SCIENCES,

HUMAN DEVELOPMENT AND FAMILY SCIENCE

KEELEY PRATT, ADVISOR

A COMPARISON OF PERCEIVED AND ACTUAL WEIGHT STATUS BETWEEN PRE- AND POST- WEIGHT LOSS SURGERY PATIENTS

Little research has investigated how individuals who elect weight loss surgery perceive their weight status and whether this perception is accurate to their calculated weight status. This study sought to investigate the accuracy among pre-and post-surgery patients perceptions, as inaccuracy has been tied to diminished health outcomes.

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND FAMILY SCIENCE
XIN FENG, ADVISOR

**GROWTH IN CHILD EXECUTIVE FUNCTION AND MATERNAL
DEPRESSIVE SYMPTOMS: MATERNAL SENSITIVITY AS A
MEDIATOR**

Preschoolers show rapid growth in executive function (EF). Maternal depressive symptoms may undermine child's EF development through decreased maternal sensitivity. This study found that lower levels of maternal depressive symptoms in infancy predicted higher levels of EF at grade 1 through higher levels of maternal sensitivity in preschool years.

CATHERINE VAN FOSSEN

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND FAMILY SCIENCE
KEELEY PRATT, ADVISOR

**ASSOCIATIONS BETWEEN FAMILY ECONOMIC FACTORS,
WEIGHT STATUS, AND FAMILY FUNCTIONING AMONG A
SAMPLE OF AFRICAN AMERICAN CAREGIVER-CHILD DYADS**

The purpose of this study is to describe the associations of family economic factors (parental employment and child insurance status) with family functioning, parental influence (parent feeding behaviors, attitudes, and parenting styles), and subsequently weight status in a convenience sample of African American parent-child dyads.

ORAL PRESENTATIONS

SESSION III: 1:15 – 2:45PM
ROOM: HAYES CAPE

JENNIFER COTTO

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HUMAN SCIENCES, KINESIOLOGY

KEELEY PRATT, ADVISOR

PARENT AND CHILD PHYSICAL ACTIVITY BEHAVIORS AND ENCOURAGEMENT AMONG A SAMPLE OF AFRICAN AMERICAN FAMILIES

The purpose of this study was to describe African American primary parents physical activity (PA) behaviors (PA frequency, perceived support for PA, and PA barriers) and how family functioning and parental factors are associated with children's perception of parental support for PA and their weight status.

WILLIAM DUPONT

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HUMAN SCIENCES, KINESIOLOGY

WILLIAM KRAEMER, ADVISOR

THE EFFECTS OF CRYO-COMPRESSION THERAPY ON RECOVERY FROM AN ACUTE BOUT OF RESISTANCE EXERCISE

Aquilo Sports has developed a practical, portable recovery device that synergistically combines compression and cold therapy which effectively helps reduce muscle fatigue, soreness, pain, and poor sleep quality that may result from an acute bout of exercise.

EMILY PHILLIPS

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HUMAN SCIENCES, KINESIOLOGY

WILLIAM KRAEMER, ADVISOR

ASSOCIATIONS AMONG PERCEIVED MOTOR COMPETENCE, MOTOR COMPETENCE, PHYSICAL ACTIVITY, & HEALTH- RELATED PHYSICAL FITNESS OF CHILDREN AGES 10-15 YEARS OLD

The purpose was to examine the associations among perceived motor competence (PMC), motor competence (MC), moderate to vigorous physical activity (MVPA), and health-related physical fitness during middle childhood and early adolescence. Results indicated that higher MC and PMC were associated with higher levels of health-related physical fitness.

ORAL PRESENTATIONS

SESSION III: 1:15 – 2:45PM

ROOM: ROSA M. AILABOUNI

EUNJEONG PARK

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TEACHING AND LEARNING, FOREIGN, SECOND, &
MULTILINGUAL LANGUAGE EDUCATION
ALAN HIRVELA, ADVISOR

THE EFFECTS OF LINGUISTIC FEATURES ON PLACEMENT TEST LEVELS: LOGISTIC REGRESSION

This in-progress study examined the influence of the type-token ratio (TTR), tokens, gender, the college type, graduate status, and age on placement test levels (i.e., low vs. intermediate) through logistic regression. The findings seem to support an evidence of applying the TTR and tokens to assess students' placement test essays.

WENLI ZHANG

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TEACHING AND LEARNING, FOREIGN, SECOND, &
MULTILINGUAL LANGUAGE EDUCATION
ALAN HIRVELA, ADVISOR

**“I DIDN’T THINK THAT MUCH BEFORE YOU ASKED ME”: A
CASE STUDY OF AN EARLY-CAREER L2 WRITING TEACHER**

This is a single case study of an early-career L2 writing teacher. It aims to investigate how conversations functioned effectively in raising awareness of the focal teacher’s application of theories to practice. Findings suggest that teachers’ awareness of their theory application could mitigate the disjunction between theory and practice.

NANCY (YANAN) ZHAO

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TEACHING AND LEARNING, FOREIGN, SECOND, &
MULTILINGUAL LANGUAGE EDUCATION
ALAN HIRVELA, ADVISOR

**UNDERSTANDING CHINESE INTERNATIONAL STUDENTS’
TRANSITIONS INTO AN AMERICAN HIGH SCHOOL**

This qualitative study explores a group of Chinese international students’ academic, social and functional transitions during their time in an American high school. Special attention is given to how this unique student population socializes into a completely new educational system and school culture while developing second language proficiency.

POSTER PRESENTATIONS CARTOON ROOM

There will be no poster presentations during Session 1 but all posters will be available for view all day. Half of the presenters will be available to discuss their posters during Session 2 and the other half, during Session 3.

SESSION II: 10:15 - 11:45AM

ERNI ADELINA

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TEACHING AND LEARNING
READING & LITERACY IN EARLY
& MIDDLE CHILDHOOD
ADRIAN RODGERS, ADVISOR
**IMPROVING TAKE-AWAY
INFORMATION FROM READING
MATERIAL ON STUDENT
THROUGH PROVIDING
FOLLOW-UP QUESTION**

Reading is an essential activity to students. However, people and students in particular may not gain significant take-away information without something that is challenging such as question after reading to think and be more attentive during reading period. The big concern for teachers is how they create

the question to be effective for the goal.

SAHRA AHMED

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EDUCATIONAL STUDIES
EDUCATIONAL POLICY
ANTOINETTE ERRANTE,
ADVISOR

**PREPARING MAINSTREAM
CLASSROOM TEACHERS
FOR ENGLISH LANGUAGE
LEARNERS**

Classrooms all over the globe are becoming more linguistically and culturally diverse, and American public schools are no exception. A recent edition of Education Week discussed how American public schools were at the cusp of a “demographic milestone.” The purpose of this study is to examine how teachers are prepared to teach diverse students.

YAHYAHAN ARAS

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EDUCATIONAL STUDIES
COUNSELOR EDUCATION
COLETTE DOLLARHIDE,
ADVISOR

**PROFILES OF LOW-INCOME
MOTHERS' WELL-BEING: A
LATENT CLASS ANALYSIS**

Low-income mothers are at high risk for poor economic,

physical, social-emotional and environmental well-being. Therefore, this study will examine whether there are reliable profiles that characterize low-income mothers in terms of economic, physical, socio-emotional, and environmental well-being.

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HUMAN SCIENCES,

HUMAN NUTRITION

TONYA ORCHARD, ADVISOR

EFFECTS OF SUCROSE

AND OMEGA-3 DIETARY

MODIFICATION ON LIPID

PEROXIDATION IN LIVER OF

MOUSE MODELS OF BREAST

CANCER AND CHEMOTHERAPY

The results of oxidative stress resulting from lipid peroxidation detected via 4-hydroxynonenal biomarker in liver tissues of breast cancer and chemotherapy mouse models fed with different levels of sucrose and omega-3 diets will be described.

RICHARD BAILEY & DANIEL WRAY

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HUMAN SCIENCES,

KINESIOLOGY

DONNA PASTORE, ADVISOR

PERCEPTIONS OF RESOURCE DISTRIBUTION IN NATIONAL COLLEGIATE ATHLETICS

Review of the literature of procedural and organizational justice in order to anticipate and understand the perceptions of inequality in resource distribution by universities between general student body, non-scholarship student-athlete, and scholarship student-athlete populations.

VANJA BOGICEVIC

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HUMAN SCIENCES,

CONSUMER SCIENCES

JAY KANDAMPULLY, ADVISOR

SERVICE DESIGN THROUGH

VIRTUAL TOURS: ENHANCING

CUSTOMER ENGAGEMENT

AND EXPERIENCE

This study aims to empirically examine the relationship between virtual reality (VR) mental imagery, customer experience and engagement, as mediated by telepresence. It is expected that VR mental imagery elicits greater telepresence for consumers high (vs. low) in personal innovativeness and therefore greater engagement toward the presented firm.

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HUMAN SCIENCES,

KINESIOLOGY

PHILLIP WARD, ADVISOR

EXAMINING DIFFERENCES ON CONTENT KNOWLEDGE AND PERFORMANCE BETWEEN TWO GROUPS WHO WANT TO BE PE TEACHERS AND WHO DO NOT

This study explores the differences on the Common Content Knowledge (CCK), Specialized Content Knowledge (SCK) and their performance of sports skills between two groups of the students; a group of students who learned how to perform and those who learned how to teach.

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EDUCATIONAL STUDIES,

EDUCATIONAL POLICY

ANN ALLEN, ADVISOR

CHARTER SCHOOL TEACHERS' UNIONS: NEOLIBERALISM AND THE FIGHT BACK

Neoliberal educational policies of the last couple decades have transformed education and teachers' work. Charter schools are an example of neoliberalism in education, as they introduce a market in education. Most

charter schools do not have unions, but there are some efforts at unionization across the country. How should we view such efforts?

DANENE FAST

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TEACHING AND LEARNING,

LANGUAGE, EDUCATION, AND

SOCIETY

TIFFANY WILD, ADVISOR

TRANSPORTING PERSONS WITH VISUAL IMPAIRMENTS: KNOWLEDGE OF UNIVERSITY CAMPUS PUBLIC

TRANSPORTATION WORKERS

This study provides a driver's perspective of transporting persons with visual impairments.

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HUMAN SCIENCES,

KINESIOLOGY

DONNA PASTORE, ADVISOR

AN EXPLORATORY STUDY ON THE DEVELOPMENT AND IDENTITY OF STUDENT- ATHLETES

The purpose of this study is to explore the environment of athletics academic advising departments and the role in student-athlete development and identity advancement.

Combined with current best practices, this study will provide practical recommendations for academic advisors and other staff members in support services for student-athletes.

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TEACHING AND LEARNING
READING & LITERACY IN
EARLY & MIDDLE CHILDHOOD
SHAYNE PIASTA, ADVISOR
**ORAL NARRATIVE SKILL:
CONCURRENT AND
PREDICTIVE ASSOCIATIONS
WITH EMERGENT AND EARLY
LITERACY SKILLS**

This study examined children's narrative skills as related to emergent literacy and later reading and spelling outcomes. Narrative and emergent literacy skills were correlated; narrative skills also correlated with, but did not uniquely predict, later literacy outcomes. Findings concerning the role of narrative in literacy development are discussed

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HUMAN SCIENCES,
KINESIOLOGY
PHILLIP WARD, ADVISOR
**PREVIOUS SPORT
EXPERIENCES EFFECTS ON
CURRENT SPORT KNOWLEDGE,**

TEACHING KNOWLEDGE, AND SKILL PERFORMANCE

College students in basic sport instruction and physical education teacher education classes were assessed and compared on their prior experiences in basketball, volleyball, tennis, or badminton. Their experiences were then compared to their current sport knowledge, knowledge of how to teach the sport, and their skill performance.

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HUMAN SCIENCES, HUMAN
DEVELOPMENT AND FAMILY
SCIENCE

XIN FENG, ADVISOR

**MATERNAL EMOTION
SOCIALIZATION AND CHILD
TEMPERAMENT: PROSPECTIVE
ASSOCIATIONS WITH CHILD
ANXIETY**

This study examines the contribution of child temperament, maternal anxiety, and maternal emotion coaching to child anxiety behaviors. Currently, longitudinal research examining these variables is limited. The use of longitudinal datasets in the proposed study will further clarify the direction of effects linking parenting and child anxiety outcomes.

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HUMAN SCIENCES,
CONSUMER SCIENCES
SOOBIN SEO AND SHERMAN
HANNA, ADVISORS

FINANCIAL HELP-SEEKING BEHAVIOR AMONG MILLENNIALS

The purpose of this study is to examine what characteristics of millennials are affecting the financial help-seeking behavior with financial professionals. Since they are exposed to different financial environments from where former generation had undergone, it is noteworthy how this generation seek information for their financial decision making.

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TEACHING AND LEARNING,
FOREIGN, SECOND, &
MULTILINGUAL LANGUAGE
EDUCATION

ALAN HIRVELA, ADVISOR
**INTERNATIONAL GRADUATE
STUDENTS' SECOND
LANGUAGE ACQUISITION IN
ACCULTURATION: A RESEARCH
SYNTHESIS**

This study examines prior qualitative research on international graduate students' second language acquisition and learning in their acculturation by conducting a research synthesis. This will encourage language researchers to unveil international students' acculturation in the phases of second language acquisition and learning within social turns.

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TEACHING AND LEARNING,
READING & LITERACY IN EARLY
& MIDDLE CHILDHOOD
PATRICIA SCHARER, ADVISOR

INTRODUCING INTERACTIVE READ-ALoud FOR INDONESIAN EFL CLASSROOM IN READING FABLE WILLIAM STEIG'S AMOS AND BORIS

To enhance teacher's technique in promoting engagement in reading, interactive read aloud of fable William Steig's Amos and Boris will be introduced for 8th-grade students in Indonesian English as a Foreign Language (EFL) classroom. The data will be gathered through classroom observation and analyzed qualitatively.

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HUMAN SCIENCES,

KINESIOLOGY

PHILLIP WARD, ADVISOR

**ASSOCIATIONS AMONG
COMMON CONTENT
KNOWLEDGE, SPECIALIZED
CONTENT KNOWLEDGE, AND
PERFORMANCE IN PHYSICAL
EDUCATION CONTEXT**

Common content knowledge (CCK) and specialized content knowledge (SCK) are critical components of quality instruction. This study examines the relationship between CCK, SCK, and performance and discusses the implications for developing the curriculum for pre- and in-service teacher professional development programs.

examine the effectiveness of hotels' responses to reviews. The study aims to measure the effectiveness of hotels' responses (high vs. low source credibility, personalized vs. non-personalized) in responding to different types of reviews (negative, positive, ambivalent) by doing experiments.

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HUMAN SCIENCES,

CONSUMER SCIENCES

JAY KANDAMPULLY, ADVISOR

**RESPONDING TO ONLINE
REVIEWS: THE EFFECTS OF
HOTELS' RESPONSES ON PAST
CONSUMERS' SATISFACTION
AND BEHAVIORAL INTENTIONS**

Little study has been done to

POSTER PRESENTATIONS CARTOON ROOM

There will be no poster presentations during Session 1 but all posters will be available for view all day. Half of the presenters will be available to discuss their posters during Session 2 and the other half, during Session 3.

SESSION III: 1:15PM – 2:45PM

PATRICK BORTZ

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND
FAMILY SCIENCE
SUZANNE BARTLE-HARING,
ADVISOR

A FORMATIVE EVALUATION OF A SMARTPHONE APPLICATION FOR COUPLES: THE AFFECTIONATE GESTURE PLANNER (AGP)

The AGP app-informed by social exchange theory-aims to increase couple satisfaction by prompting couples to complete loving acts for each other on a daily basis. Users (11 couples) reported that AGP was beneficial and increased intentionality for

improving their relationship. AGP will be modified to improve its user-friendliness based on feedback.

JOHN BOURANIS

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HUMAN SCIENCES,
HUMAN NUTRITION
RICHARD BRUNO, ADVISOR

DOSE-RESPONSE OF DIETARY FAT ON THE BIOACCESSIBILITY OF α -TOCOPHEROL VS. α -TOCOPHEROL ACETATE

This study examines the bioaccessibility of α -tocopherol vs synthetic α -tocopherol acetate, which is found in supplements, and aims to determine if one form is more readily micellularized at different doses and in the presence of increasing dairy fat content.

AINA CID & YADIRA VALDEZ

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HUMAN SCIENCES,
KINESIOLOGY
JACKIE GOODWAY, ADVISOR

**EXAMINING THE IMPACT
OF THE SKIP PROGRAM
ON MOTOR COMPETENCE,
PHYSICAL ACTIVITY,
AND PERCEIVED MOTOR
COMPETENCE IN
PRESCHOOLERS**

Recent studies show that children are not meeting the recommended amount, 60 minutes each day, of physical activity. This study examined the impact of the SKIP (Successful Kinesthetic Instruction for Preschoolers) program on motor competence, perceived motor competence, and physical activity levels during the school day and the free play time.

CARRIE DAVENPORT

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EDUCATIONAL STUDIES,
SPECIAL EDUCATION
MOIRA KONRAD, ADVISOR

**EFFECTS OF BEHAVIORAL
SKILLS TRAINING OF A
READING RACETRACK
INTERVENTION AT A
MONTESSORI SCHOOL:
EFFECTS ON TEACHER
IMPLEMENTATION AND
STUDENT OUTCOMES**

Using Behavioral Skills Training, primary level teachers at a Montessori school were taught how to implement a fluency-based reading intervention with struggling readers. This poster will present baseline, intervention, maintenance, and generalization data across three teacher-student dyads.

**CLARA DEVINE &
JENNY ZAVATSKY**

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ZAVATSKY.4@OSU.EDU**

TEACHING AND LEARNING,
MIDDLE CHILDHOOD
EDUCATION

LAURA LYGHT & CASEY
HENCEROTH, ADVISORS

**PRE-AMERICAN REVOLUTION
UNIT TEST**

We will be completing a unit test that will include a variety of assessments including selected response, constructed response, and extended response. The unit test will include a key as well as a blue indicating the validity and reliability behind each question. The unit test will be reviewed by at least two outside sources.

RACHEL GARCIA

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND
FAMILY SCIENCE

KELLY PURTELL, ADVISOR

CHILD ELICITATION OF PARENTAL INVOLVEMENT IN PRESCHOOL: EXPLORING THE MODERATING EFFECTS OF PARENTAL SOCIAL SUPPORT AND BARRIERS TO INVOLVEMENT

Parental involvement in academic enrichment activities contributes to young children's learning and development. This study explores how child characteristics elicit parental involvement in children's learning in the school and home. Interactions between child elicitation, parental social support, and barriers to parental involvement are explored.

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TEACHING AND LEARNING,
EARLY AND MIDDLE
CHILDHOOD STUDIES
KELLY PURTELL, LAURA
LYGHT & HEATHER LONG,
ADVISORS

ASSESSMENT OF LEARNING: THE RENAISSANCE

Our group has created a summative assessment to be given in a 7th grade social studies classroom after a unit on the European Renaissance. Our assessment instrument includes short answer, multiple choice, matching and true/false questions.

BARBARA HODGDON

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND
FAMILY SCIENCE

JEN WONG, ADVISOR

WORK AND FAMILY SPILLOVER ON ASPECTS OF WELL-BEING AND THE MODERATING ROLE OF SENSE OF CONTROL IN INTERGENERATIONAL CAREGIVERS

The overall goal of the proposed study investigates the moderating role of sense of control on the associations between work and family spillover and well-being in a sample of employed midlife adults providing intergenerational caregiving. Data from the second wave of the Midlife in the United States Survey (MIDUS) will be used.

YITING LAN

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HUMAN SCIENCES,
CONSUMER SCIENCES
ANDREW HANKS, ADVISOR**MEASURE THE EFFECT OF
THE NUMBER OF NUTRITION
CONTENT CLAIMS ON
CONSUMERS' PURCHASE
INTENTIONS TOWARDS FOOD
PRODUCTS**

There are a limited number of studies focusing on the effects of the number of nutrition content claims, some products may have only two health claims, some products may have more than four claims listed. It is a problem whether the number of claims has an effect on consumers.

YILIN LI

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HUMAN SCIENCES,
KINESIOLOGY
ANDREW HANKS, ADVISOR**EXAMINING THE IMPACT OF
THE CONTENT FOCUS IN THE
CLASSES IN TWO DIFFERENT
PROGRAMS ON CONTENT
KNOWLEDGE AND SKILL
PERFORMANCE**

To date there is no research examining the hypotheses and specifically the differences in CCK, SCK, and skill performance for those taught to teach and those taught to play sport. The purpose of this study was to examine the differences in improvement of CCK, performance, and SCK between two groups (CCK group and SCK group).

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HUMAN SCIENCES,
HUMAN DEVELOPMENT AND
FAMILY SCIENCE
ANASTASIA SNYDER, ADVISOR**INFIDELITY: IS IT REALLY BLACK
AND WHITE? A REVIEW OF
LITERATURE ON EXTRADYADIC
INVOLVEMENT**

Few people would argue in defense of infidelity; in theory, cheating is always wrong. However, a closer examination of its prevalence, demographics, risk factors, and gender differences can reveal new insight on the gray areas of infidelity and provide direction for future research.

KEVIN MO

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HUMAN SCIENCES,
HUMAN NUTRITION
KELLY PURTELL, ADVISOR

CLOSTRIDIODES (CLOSTRIDIUM) DIFFICILE IN THE HUMAN DIET: SYSTEMATIC REVIEW AND META-ANALYSIS TO ASSESS INGESTION RISK

This is a systematic review and meta-analysis to appraise peer-reviewed studies on the prevalence of *C. difficile* in foods. Ultimately, this systematic review and meta-analysis will identify quantitative parameters to estimate the risk of ingesting *C. difficile* spores by humans as a source for CDI.

HYON JU OH

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TEACHING AND LEARNING,
FOREIGN, SECOND, &
MULTILINGUAL LANGUAGE
EDUCATION
ALAN HIRVELA, ADVISOR
**MULTILINGUAL ADOLESCENT
WRITERS' DAILY LITERACY
LIVES WITHIN A TRANSFER
LENS**

The proposed study intends to explore the dynamics of movement between in and out of school literacy contexts from a transfer perspective, examining whether the application of a transfer lens brings greater understanding to the discussions of the relationship between in- and out- of- school domains.

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HUMAN SCIENCES,
HUMAN NUTRITION
SANJA ILIC, ADVISOR

THE FATE OF SALMONELLA AND LISTERIA MONOCYTOGENES ON KALE AND TOMATOES

The aims of this project are to show the growth rates of *Salmonella* and *Listeria monocytogenes* on kale and tomatoes. Both types of produce were examined at both 4 and 25 degrees Celsius and were followed for 14 days. Bacterial growth was measured on days 0, 1, 3, 7, and 14.

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HUMAN SCIENCES,

HUMAN NUTRITION

OULIANA ZIOUZENKOVA,

ADVISOR

**BIPOLAR DISORDER IN
YOUTH IS ASSOCIATED WITH
INCREASED LOW MOLECULAR
WEIGHT FRACTION OF
VITAMIN D BINDING PROTEIN**

We tested association of vitamin D and inflammatory markers in 36 adolescents with bipolar disorder (BD) and major depressive disorder (MDD) forms of major mood disorder and without MMD (NM-control). We identified marker candidates of BD warranting their validation in a larger cohort of adolescent and adult MMD patients.

DENNIS PRIEBE

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EDUCATIONAL STUDIES,

WORKFORCE DEVELOPMENT

AND EDUCATION

DAVID STEIN, ADVISOR

**FACTOR AND ITEM ANALYSIS
OF AN INSTRUMENT
MEASURING MANAGERS'
ABILITY TO BE EFFECTIVE IN
COACHING CONVERSATIONS**

An instrument was created as part of a two-month managerial intervention as a pre-post measure. The survey items assess various aspects of coaching conversations. The instrument was completed by direct reports before managers entered the intervention and again following the intervention. Data at time one was analyzed for this study.

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TEACHING AND LEARNING,

FOREIGN, SECOND, &

MULTILINGUAL LANGUAGE

EDUCATION

LESLIE MOORE, ADVISOR

**A DECADE OF CULTURAL
HISTORICAL ACTIVITY THEORY
(CHAT) IN L2 TEACHER
EDUCATION RESEARCH**

This review explores a decade of second language teacher education studies that were informed by Engestrom third generation of Cultural Historical Activity Theory (CHAT). Most studies significantly uncovered contradictions that occurred when two interacting activity systems intersect without necessarily identified the change or transformation that resulted from such contradiction.

KYLIE THOMPSON

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HUMAN SCIENCES,
HUMAN NUTRITION

TONYA ORCHARD, ADVISOR

THE RELATIONSHIP BETWEEN RED BLOOD CELL FATTY ACIDS AND INFLAMMATION IN POST-MENOPAUSAL, OBESE WOMEN COMPLETING A DIETARY INTERVENTION

Obesity is a state of chronic inflammation and is implicated in the development of chronic diseases. Marine-sourced omega-3 fatty acids are reported to be anti-inflammatory. This study will examine the relationship between fatty acids in red blood cells and inflammatory cytokines in obese, post-menopausal women completing a dietary intervention.

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EDUCATIONAL STUDIES,
EDUCATIONAL POLICY
JAMES MOORE, ADVISOR

STORIES UNTOLD: EXPLORING THE NARRATIVES OF AFRICAN AMERICAN MALES AND THEIR EXPERIENCES WITH THE SCHOOL-TO-PRISON PIPELINE

An epidemic plaguing schools across the nation, the school-

to-prison pipeline is funneling students out of the classroom and into the juvenile justice system. The proposed study seeks to examine how the pipeline affects the lives of young African American males through personalized life histories and narrative inquiry. Recommendations for policy and practice implications will be included.

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HUMAN SCIENCES,
KINESIOLOGY

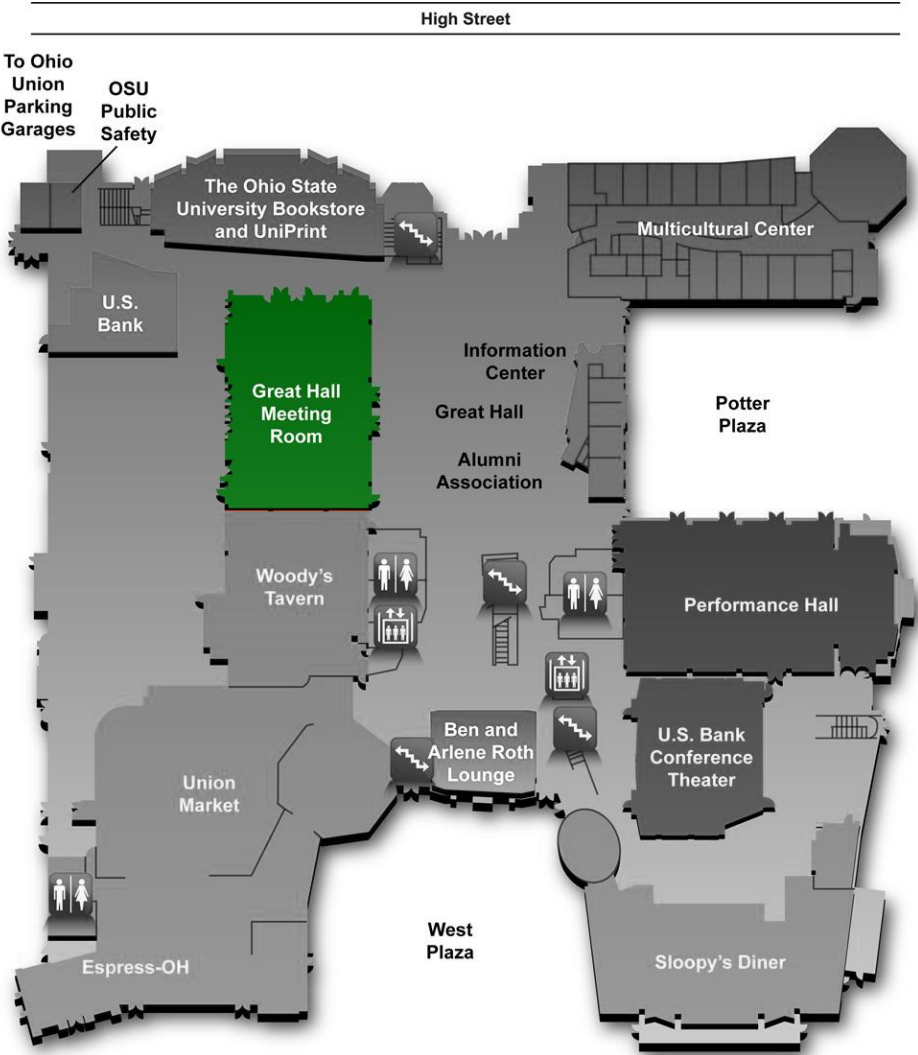
WEIDONG LI, ADVISOR

HOW IS GENDER INEQUITY CONSTRUCTED BY PE TEACHERS IN SECONDARY SCHOOLS?

The purpose of this review is to explore the aspects associated with PE teachers in constructing gender inequity in secondary PE classes. It provided a reference in explaining decreased female students' participation in PE from five themes: teachers' belief, application of curriculum model, content covered, pedagogy and classroom environment.

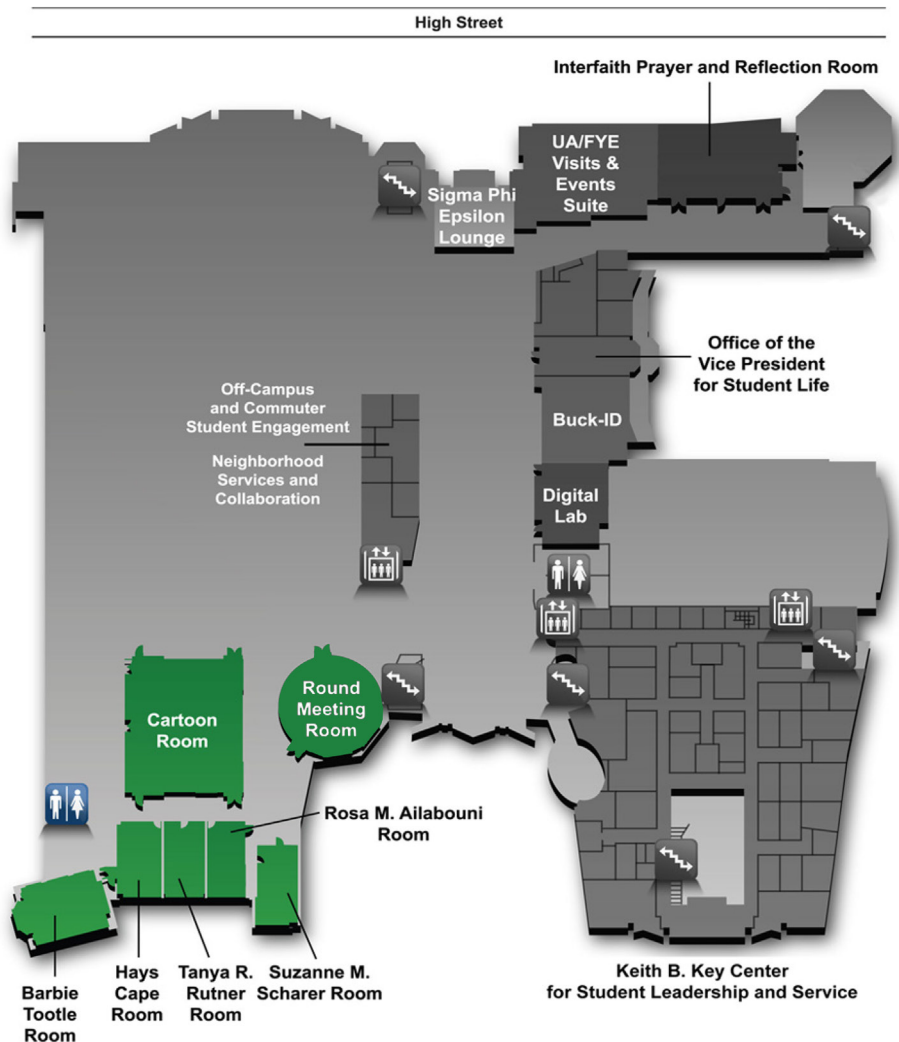
MAPS

OHIO UNION - FIRST FLOOR



MAPS

OHIO UNION - THIRD FLOOR



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EDUCATION AND HUMAN ECOLOGY

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