



**HONORS
COLLEGE**
JAMES MADISON UNIVERSITY

2021
Honors
Symposium

APRIL 23, 2021

2021 HONORS SYMPOSIUM

Festival Highlands Room



IN-PERSON PRESENTATIONS

April 23, 12:00 - 3:00 P.M.

Students presenting in-person discuss their poster projects with guests in attendance



VIRTUAL PRESENTATIONS

View virtual presentations from all participating students, give feedback, and ask questions by visiting

<https://tinyurl.com/honorssymposium2021>



VIRTUAL SYMPOSIUM ROUNDTABLE

April 23, 4:00 P.M.

All guests are invited to attend the Symposium Roundtable via Zoom.

<https://tinyurl.com/SymposiumRoundtable2021>

Meeting ID: 812 5841 4307

Passcode: 56838537

Please submit questions to participants in the Symposium Roundtable by scanning this QR code:





PINNING

All students participating in the Symposium will receive an Honors College lapel pin in recognition of their dedication and service to scholarly achievements.

IN-PERSON PARTICIPANTS, SESSION 1 APRIL 23, 12:00 - 12:45 P.M.

View virtual presentations, give feedback, and ask questions by visiting
<https://tinyurl.com/honorssymposium2021>

Rylee Booth (Health Sciences): "The Relationship Between Frequency of Parental Contact and Resilience among College Students: An Exploratory Study"

Capstone Thesis Project | Advisor: Audrey Burnett, PhD | Poster 1

Erin Dennis (Kinesiology): "The Effect of Intensity and Rest Period on Verification Stage Utility for VO₂max Testing"

Capstone Thesis Project | Advisor: Christopher Womack, PhD | Poster 2

Gemma Dobbs (Theatre): "Conceptualizing and Constructing Women's Ritual as Alternatives to Dominant Theatrical Practices"

Capstone Thesis Project | Advisor: Dennis Beck, PhD | Poster 3

Breeana Dunlap, Hannah Lynch & Colin Mills (Nursing): "An Evidence-Based Educational Intervention about Childhood Obesity for Parents of School Aged Children"

Capstone Thesis Project | Advisor: Tammy Kiser, DPN, RN | Poster 4



IN-PERSON PARTICIPANTS, SESSION 1

APRIL 23, 12:00 - 12:45 P.M.

View virtual presentations, give feedback, and ask questions by visiting
<https://tinyurl.com/honorssymposium2021>

Laura Fernan (Communication Sciences and Disorders): "Oral Sensation and Perception in Young Healthy Adults"

Capstone Thesis Project | Advisor: Erin Kamarunas, PhD | Poster 5

Roxanne Fisher (International Affairs): "Honors Portfolio Project"

Senior Portfolio Project | Mentor: Alysia Davis, PhD | Poster 6

Aliyah Hall (Media Arts & Design): "Defining Sekaikei: Escapism and Relationships in Neon Genesis Evangelion"

Capstone Thesis Project | Advisor: Talé Mitchell, PhD | Poster 7

Kelly Johnson (Quantitative Finance; Mathematics): "Is it Risky to Make the World a Better Place: A Study on the Association between Environmental, Social, and Governance (ESG) Operational Risk Management and Market Derived Volatilities"

Capstone Thesis Project | Advisor: Jason Fink, PhD | Poster 8

Carlee Logue (Health Sciences): "The Analysis of Coping Strategies of JMU Undergraduate Students Compared to their Mental Health and their Knowledge of Resources on Campus"

Capstone Thesis Project | Advisor: Aimee Johnson, PhD | Poster 9

Haley McAllister (History): "Timeline of the Central Virginia Training Center"

Capstone Thesis Project | Advisor: Evan Friss, PhD | Poster 10

Deaquan Nichols (Biophysical Chemistry): "Regulation of Electron Transfer Pathways in Proteins with Aromatic Amino Acids"

Independent Research Project | Advisor: Oleksandr Kokhan, PhD | Poster 11



IN-PERSON PARTICIPANTS, SESSION 2

APRIL 23, 12:45 - 1:30 P.M.

View virtual presentations, give feedback, and ask questions by visiting
<https://tinyurl.com/honorssymposium2021>

Jocelyn Peter (Communication Sciences & Disorders): "Infant-Directed Speech for Spanish-Speaking Families in the Shenandoah Valley: A Case Study"

Capstone Thesis Project | Advisor: Rory A. DePaolis, PhD | Poster 12

Lauren Rothmann (History): "Russians in Afghanistan: A Study of Soviet Intervention and Western Reaction During the Cold War"

Capstone Thesis Project | Advisor: Colleen Moore, PhD | Poster 13

Alexandra Stenseth (Music Industry): "The Recorded Music Industry: Framing Musicians as Entrepreneurs in the Age of Streaming"

Capstone Thesis Project | Advisor: Sam Suggs, DMA | Poster 14

Nicole Stock (Mathematics; Computer Science): "Higher Order Fourier Finite Element Methods for Hodge Laplacian Problems on Axisymmetric Domains"

Capstone Thesis Project | Advisor: Minah Oh, PhD | Poster 15

Ben Uehlinger (Finance): "COVID-19: A Black Swan?"

Capstone Thesis Project | Advisor: Pamela Drake, PhD | Poster 16

Jory Woods (Independent Scholars): "Inside the Independent Expenditure Community"

Capstone Thesis Project | Advisor: Daniel Schill, PhD | Poster 17



IN-PERSON PARTICIPANTS, SESSION 3

APRIL 23, 1:30 - 2:15 P.M.

View virtual presentations, give feedback, and ask questions by visiting
<https://tinyurl.com/honorssymposium2021>

Cassidy Anderson (Engineering): "Engineering Connections"

Capstone Thesis Project | Advisor: Justin Henriques, PhD | Poster 18

Faith Anderson (Psychology): "Impact of Role Assignments on Group Performance and Satisfaction"

Capstone Thesis Project | Advisor: Monica Reis-Bergan, PhD | Poster 19

Jessica Besnier (Engineering): "The Correlation between Poverty, Water Quality, Community Health, and Education in Guatemala and Tanzania"

Capstone Thesis Project | Advisor: Adebayo Ogundipe, PhD | Poster 20

Adriana Bolivar (Economics; Modern Foreign Languages - French): "Battling Youth Unemployment in France: Can Macron Put Young People to Work?"

Capstone Thesis Project | Advisor: Robert N. Horn, PhD | Poster 21

Ryan Bonner (Kinesiology): "The Effect of Hyper-Hydration on Body Composition Measurements via Bioelectrical Impedance"

Capstone Thesis Project | Advisor: Christopher Womack, PhD | Poster 22

Molly Bruce (Intelligence Analysis): "Examining the Effects of Federal Immigration and Refugee Policies on the Harrisonburg Community"

Capstone Thesis Project | Advisor: Felix Wang, PhD | Poster 23

Kyle Cooper (Psychology): "The Relation between Conspiracy Theories and Health Behaviors in the COVID-19 Pandemic"

Capstone Thesis Project | Advisor: Monica Reis-Bergan, PhD | Poster 24



IN-PERSON PARTICIPANTS, SESSION 4

APRIL 23, 2:15 - 3:00 P.M.

View virtual presentations, give feedback, and ask questions by visiting
<https://tinyurl.com/honorssymposium2021>

Shea Daly (Communication Studies): "Virtual Deliberation: Can Video-Conferencing Technology Achieve Democratic Ideals?"

Capstone Thesis Project | Advisor: Lori Britt, PhD | Poster 25

Madison Dobscha (Athletic Training): "Lower Extremity Function & Injury in Young Adults with a History of Sport Specialization"

Capstone Thesis Project | Advisor: John Goetschius, PhD | Poster 26

Mackenzie Harris (Health Sciences): "A Comparison of Mental Health between Honors and Non-Honors Students"

Capstone Thesis Project | Advisor: Katherine Ott Walter, PhD | Poster 27

Meredith Lawing (Justice Studies): "Addressing Climate Induced Displacement: An Analysis of Protection Policy for Environmental Migrants"

Capstone Thesis Project | Advisor: Daniel Beers, PhD | Poster 28

Zenobia Lee-Nelson (Communication Studies): "Journey to Ashe"

Senior Portfolio Project | Mentor: Jennifer PeeksMease, PhD | Poster 29

Samantha Sawyers (Communication Sciences and Disorders): "Infant Vocalization Influence on British and American Mothers' Language During Book-Sharing"

Capstone Thesis Project | Advisor: Rory A. DePaolis, PhD | Poster 30

Lauren Spar (Independent Scholars): "Beyond Bystander Intervention: How to Change the Sexual Culture of College Campuses"

Capstone Thesis Project | Advisor: Matthew Ezzell, PhD | Poster 31



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Belinda Addae (Intelligence Analysis): "Immigration: The Sphere of the Unheard"
Senior Portfolio Project | Mentor: Melinda Adams, PhD

Kirsi Arnesen (Computer Information Systems): "Developing a User-Friendly Library Website"
Capstone Thesis Project | Advisor: Jeremy Ezell, PhD

Erin Arnold (Psychology): "Hands-On Learning During COVID-19"
Capstone Thesis Project | Advisor: Mira Williams, PhD

Kailey Cheng (Media Arts & Design; Writing, Rhetoric & Technical Communication): "In-Depth Special Report on Diversity and Race at JMU"
Capstone Thesis Project | Advisor: Robert N. Horn, PhD

Anna Connole (Political Science; Communication Studies): "Motivators and Reasoning Behind a College Student's Vote"
Capstone Thesis Project | Advisor: Dan Schill, PhD

Jacob Elson (Quantitative Finance; Economics): "Unprecedented Times: Comparing the Economic Impact of the 2008 Financial Crisis and the COVID-19 Pandemic to the Health Services Industry"
Capstone Thesis Project | Advisor: Jaideep Chowdhury, PhD

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Madison Farabaugh (Communication Studies): "A Co-Cultural Analysis of Language Policies in the Education System of Catalonia"

Capstone Thesis Project | Advisor: Jennifer PeeksMease, PhD

Reagan Flewelling (Intelligence Analysis): "The Russia Gap in Secondary Curricula: Presenting the Diversity and Depth of Russian Culture and Geography"

Capstone Thesis Project | Advisor: Rachel Stauffer, PhD

Nina Gabel (Communication Studies): "Communicative Experiences of Microaggressions on a College Campus"

Capstone Thesis Project | Advisor: Melissa Alemán, PhD

Lauren Harris (Biology): "Contributions of Extrinsic and Intrinsic Dorsal Tail Muscles of Rats to Co-Contraction Synergies"

Capstone Thesis Project | Advisor: Corey Cleland, PhD

Ashley Harris (History): "Ashley Harris: A Portfolio"

Senior Portfolio Project | Mentor: Alysia Davis, PhD

Madeline Hekeler (Health Sciences): "Alzheimer's and Patient Caregiver Burnout: A Comprehensive Review of the Literature"

Capstone Thesis Project | Advisor: Audrey Burnett, PhD

Alyssa Hillenberg (Management): "College Student Comprehension and Perceived Comprehension of Contracts"

Capstone Thesis Project | Advisor: Eugene McCarthy, PhD, JD

Elizabeth Hunter (Management): "COVID-19 Resources for the Center for Global Engagement: Helping Organizations Respond to a Pandemic"

Capstone Thesis Project | Advisor: Fariss-Terry Mousa, PhD

Christopher Jones (Engineering): "Understanding How Culture Influences Engineering Decisions Through the Context of Latrine Designs in East Africa"

Capstone Thesis Project | Advisor: Adebayo Ogundipe, PhD

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Julianna Jones (Health Sciences): "Sleep Deprivation: The Perception of Sleep Hygiene Among Undergraduates"

Capstone Thesis Project | Advisor: Audrey Burnett, PhD

Lauren Jones (Justice Studies): "A Comprehensive Analysis of Racism and the American Death Penalty"

Capstone Thesis Project | Advisor: Peggy Plass, PhD

Mallory Jungles (Psychology): "Social-Affective Synchrony and Strategies in Student Grading"

Capstone Thesis Project | Advisor: David B. Daniel, PhD

Hannah Kaplan (Media Arts & Design): "Portfolium: A Pilot Program Exploring the Uses of ePortfolios"

Capstone Thesis Project | Advisor: Alysia Davis, PhD

Olivia King (Management): "The Road to Launching My Own Brand"

Senior Portfolio Project | Mentor: Katie Overfield-Zook, MMus

Olivia Grace Klimko (Management): "The Implications of a Global Pandemic on Work-life Balance: Working from Home as Experienced by Working Adults in 2020"

Capstone Thesis Project | Advisor: David R. Peterson, PhD

Madelynn Knight (Kinesiology): "The Effect of Beetroot Juice Supplementation on Responses to Exercise and Time Trial Performance in Female Collegiate Distance Runners"

Capstone Thesis Project | Advisor: Michael Saunders, PhD

Luke Leopold (Management): "An Analysis of Barriers to the Adoption of Regenerative Agricultural Practices by Farmers in the Shenandoah Valley"

Capstone Thesis Project | Advisor: Cindy Klevickis, PhD

Danielle Levin (Health Sciences): Academic Stressors, Perceived Stress, and Coping Strategies Among Undergraduate Students"

Capstone Thesis Project | Advisor: Enyeart Smith, PhD

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Grace Lloyd & Morgan Sapper (Nursing): "Pediatric Health Literacy"

Capstone Thesis Project | Advisor: Erika Sawin, PhD, FNP-BC

Nicole Loan (Biology; Spanish): "Morphological and Molecular Analysis of the Nauplius Eye of a Free-living Crustacean Zooplankton *Mesocyclops edax* (Copepoda: Cyclopoida): A Bioinformatic Microscopic Approach"

Capstone Thesis Project | Advisor: Grace Wyngaard, PhD

Dagmawi Mamo (Biology): "Characterization of HLH-25 in *Caenorhabditis elegans* Through a Heat Shock Induced Transgene Expression"

Capstone Thesis Project | Advisor: Casonya Johnson, PhD

Isabell Marr & Julia Haupt (Nursing): "Establishing Trusting and Therapeutic Relationships between Healthcare Workers and the Homeless Population"

Capstone Thesis Project | Advisor: Catherine Brown, MSN, RN

Zack Morris (Kinesiology): "The Impact of Post-Exercise High-Altitude (Simulated) Exposure on Skeletal Muscle Recovery from Resistance Exercise: A Theoretical Investigation"

Capstone Thesis Project | Advisor: Nicholas Luden, PhD

Megan Mueller (Architectural Design): "Revitalization of Russia"

Capstone Thesis Project | Advisor: William Tate, MArch

Cate Nathan (Communication Sciences and Disorders): "Effects of Music Therapy on Communication and Behavior in Individuals with Diagnosed Dementia: A Literature Review"

Capstone Thesis Project | Advisor: Jaime Lee, PhD, CCC-SLP

Madison Probst (Management): "Leveraging Trends in Supply Chain Management"

Capstone Thesis Project | Advisor: Angela Heavey, PhD

Ryan Radonavitch (Music Industry): "Fidelis Music Group"

Capstone Thesis Project | Advisor: Andrew Connell, PhD

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Lisa Ryan (Finance): "An Analysis of the Impact of the Great Recession on Rural and Urban Areas"

Capstone Thesis Project | Advisor: Adam Usman, PhD

George Schulz (Kinesiology): "The Effect of Beetroot Juice Supplementation on Exhaled Nitric Oxide in Female Collegiate Distance Runners"

Capstone Thesis Project | Advisor: Stephanie Kurti, PhD

Ryann Sheehy (Theatre; Media Arts & Design): "Learning from the Past, Writing for the Future: An Exploration of Process"

Capstone Thesis Project | Advisor: Ingrid De Sanctis, MFA

Aubree Smith (Intelligence Analysis): "Aubree Smith's ePortfolio"

Senior Portfolio Project | Mentor: Alysia Davis, PhD

Emma Sprance (Communication Sciences and Disorders): "Language Development and Socioeconomic Status in School-Aged Children"

Capstone Thesis Project | Advisor: Geralyn R. Timler, PhD

Cara Stocks (Health Sciences): "The Effect of Depression Literacy on Intent to Intervene and Correct Identification of Depression as a Mental Illness in College Students"

Capstone Thesis Project | Advisor: Aimee Johnson, PhD

Fiona Turner (Intelligence Analysis): "Turner ePortfolio: Analyst across Academic Subjects"

Senior Portfolio Project | Mentor: Alysia Davis, PhD

Nicole Wright (Marketing): "The 'Boutique Fitness Boom' is not just a Trend: Business Opportunity in Harrisonburg, VA"

Capstone Thesis Project | Advisor: Gizem Atav, PhD



2021 Medallion Ceremony

May 1 and May 2

10:00 A.M. - 5:00 P.M.

(20 minute time slots: Registration required)

Festival Highlands Room

The Honors College recognizes graduating seniors at a special Medallion Ceremony.

Participation is by invitation only and is a ticketed event.

Students are requested to wear Regalia (except for the mortar board/cap) for the presentation. The presentation program will include a student speaker, guest speaker and conferring of medallions. Students must register attendance to receive tickets.

Questions? Contact Tammy Steele,
Executive Assistant at
540-568-7728 or via email at
steeletm@jmu.edu



The **Honors Symposium** showcases academic research and creative scholarship by JMU Honors College students. Through the Capstone Thesis Project, students gain advanced knowledge and skills in their chosen fields and produce substantial research theses or creative projects. The Senior Portfolio Project is a Capstone alternative in which students use critical reflection to frame the significance of their full archive or work at JMU. All Honors College students are expected to publicly present their work and the Honors Symposium is one of several opportunities to do so. The projects presented here represent the range and diversity of work undertaken by Honors College students and highlight the excellence of undergraduate scholarship at JMU.

The Honors College at James Madison University is an academic community engaging highly motivated and intellectually gifted students in exceptional experiences that develop excellence in leadership, scholarship, and service.



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