



SPRING 2025

STUDENT SHOWCASE FOR

RESEARCH

& CREATIVE

INQUIRY

WEDNESDAY · 23 APRIL 2025 · 8 A.M. — 5:30 P.M.

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Acknowledgements

Student Showcase Organizing Committee

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The members of the Student Showcase Organizing Committee would like to thank the following offices and organizations on campus for support:

Academic Affairs
Center for Career Success
Cormier Honors College
Digital Education Collaborative
Greenwood Library

Overview Schedule

Welcoming Remarks

Rotunda – Virginia Room

9:00-9:15 A.M.- Welcoming Remarks- Dr. Roger Byrne, Dean of Cook-Cole College of Arts and Sciences

Oral Presentations- Morning Sessions

Rotunda – Virginia Room

9:30-12:00 P.M.- Biology 251: Introduction to Ecology and Evolution

Rotunda – Prince Edward Room

9:30-12:00 P.M.- Perspective Research in Science and Mathematics (PRISM) Research

Rotunda – Room 115

9:30-10:30 A.M.- Interdisciplinary Science 121: Entering Research II

Rotunda – Room 116

10:30-11:30 A.M.- Longwood Senior Thesis Program

Blackwell Ballroom Balcony

9:00-1:00 P.M.- Communications 460: Communication Research

Performances- Morning Sessions

Communication Studies and Theatre Arts Center- Room 101

9:30-12:00 P.M.- Theatre 389: Integrated Arts Theatre

12:15-12:45 P.M.- Citizen 410- Theatre as a Civic Space

Junior Art Show

Bedford Gallery 11:00 A.M. – 1:00 P.M.

Award Ceremony 11:30 A.M.

Studio Art and Graphic and Animation Design Students

Poster Presentations- Morning Sessions

Blackwell Ballroom, 9:30 – 10:30 A.M.

Anthropology, English, Independent Research

Blackwell Ballroom, 10:40 – 11:40 P.M.
History, Nursing, Physics, Political Science, Psychology

Blackwell Ballroom, 11:50 – 12:50 P.M.
Biology, Chemistry, History, Nursing

Keynote Address and Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

Maugans- Martinelli Board Room

1:00-1:40 P.M.- Welcoming Remarks- Dr. Larissa Smith, Provost and Vice President for Academic Affairs

Keynote Address- Dr. Bethany Usher, Provost and Senior Vice President for Academic Affairs, Radford University, Immediate Past President of the Council on Undergraduate Research

1:40-2:00 P.M.- Presentation of *Incite* Awards- Dr. Hannah Dudley-Shotwell, Editor of *Incite*
Presentation of Longwood Excellence in Research and Inquiry Awards- Dr. Amorette Barber, Director,
Office of Student Research

Oral Presentations- Afternoon Sessions

Rotunda – Virginia Room

2:30-5:30 P.M.- English 320- Critical Theory

Rotunda – Prince Edward Room

2:30-4:00 P.M.- Biology 488: Fourth Year Biology Seminar

Rotunda – Room 115

2:30-4:00 P.M.- Independent Research, Cormier Honors College for Citizen Scholars

Bedford – Room 111

2:00-4:00 P.M.- Art 385: Critical Making Dream Exhibition

Bedford – Room 211

2:00-4:00 P.M.- Graphic and Animation Design 462: Senior Professional Seminar

Performances- Afternoon Sessions

Communication Studies and Theatre Arts Center- Room 101

2:00-2:15 P.M.- Citizen 410- Theatre as a Civic Space

Molnar Recital Hall

2:30-3:30 P.M.- Music Performances

Poster Presentations- Afternoon Sessions

Blackwell Ballroom, 2:10 – 3:10 P.M.

Biology, Environmental Science, Geography, Nursing

Blackwell Ballroom, 3:20 – 4:20 P.M.

Citizen 410, Education, Environmental Science, Nursing, Cormier Honors College for Citizen Scholars

Blackwell Ballroom, 4:30 – 5:30 P.M.

Health and Physical Education, Nursing, Special Education, Cormier Honors College for Citizen Scholars

Career Development Workshops

Maugans – Center for Career Success

11:00-11:45am- Career Development Open House for English Majors

2:30-3:30- Career Development Open House for ALL Majors

Rotunda – Room 315

11:30-12:30pm- Premed with a Purpose: Guidance from Campus to Med School Admissions

Rotunda – Room 312-314

12:00-12:45pm- Articulating Psychology Curriculum Accomplishments

Free parking will be available to visitors in the Brock Parking Garage.

Welcoming Remarks

9:00 – 9:15 a.m.

Rotunda- Virginia Room

9:00-9:15 a.m.- Welcoming Remarks- Dr. Roger Byrne, Dean of Cook-Cole College of Arts and Sciences

Keynote Address

Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

1:00 – 2:00 p.m.

Maugans- Martinelli Board Room

1:00 p.m.- Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

1:10 p.m.- Keynote Address by Dr. Bethany Usher, Provost and Senior Vice President for Academic Affairs, Radford University, Immediate Past President of the Council on Undergraduate Research

1:40 p.m.- Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

Please join us as we acknowledge and celebrate our students who have gone above and beyond in their pursuit of research and creative inquiry! The awards ceremony will include the winners of the *Incite* Journal of Undergraduate Scholarship awards, and students who are being recognized with the Longwood Excellence in Research and Inquiry Award.

Students who have been recognized with an award are noted by the colored ribbons on their name badges.

The different colors of the Award Recipient ribbons indicate the following achievements:

Light Blue- Presented research at a scholarly conference or had a performance or exhibition of creative work outside of Longwood University

Dark Blue- Received external funding to support an independent research and inquiry project

Red- Published an article in a peer-reviewed scholarly journal

Green- Completed a Senior Thesis Project at Longwood University

Yellow- Published in *Incite*, the undergraduate research journal at Longwood University

Keynote Speaker- Dr. Bethany M. Usher



Dr. Bethany M. Usher, Provost and Senior Vice President for Academic Affairs, takes students to graveyards! She is a biological anthropologist studying cemeteries to learn about life and health in past communities. Surprisingly, the models she applies to pre-industrial villages have helped her understand and improve student communities in modern universities. As Provost, she strives to create transformative, inclusive educational experiences through innovative curriculum, engaging high-impact projects, and supportive advising. She is passionate about getting students to apply their classroom experiences to learn how exciting it is to tackle intellectual and societal challenges.

As Provost, she oversees the Academic Affairs programs and personnel at Radford University, a medium-sized public research university, including seven academic schools, a graduate school, and the libraries. Additionally, Academic Affairs supports student success through high-impact programs: the Honors College, Global Engagement, Undergraduate Research and Scholarship, Citizen Leaders, and the Highlander Success Center. We promote faculty excellence through a strong Center for Innovative Teaching and Learning, Research in Action, Sponsored Programs, and a variety of Centers and Labs.

Dr. Usher served George Mason University for 14 years, the last six as Associate Provost for Undergraduate Education. As Associate Provost, she led a redesign of the Undergraduate Education division to bring together the areas that support transformative learning for students, leveraging the strengths of the Research 1 environment. She encouraged the development of research-based multidisciplinary curricula, aligned with the UN Sustainable Development Goals, through Curriculum Impact Grants, transforming over half of the programs on campus. She oversaw enhancements of the Mason Core general education program to better include diverse and global perspectives, and to require applied scholarly projects in capstone courses. Through the university's second QEP, she supported the development of CECIL - the Office of Community Engagement and Civic Learning. Under her leadership, Mason created a new collaborative advising center, updated the University Studies program, and brought Fellowship into the portfolio. She directed the Students as Scholars initiative through the Office of Student Scholarship, Creative Activities, and Research (OSCAR), and served as an Associate Director of the Center for Teaching and Faculty Excellence (CTFE) at Mason from 2010-2016 before being named Associate Provost.

Prior to joining Mason in 2010, she was faculty at the State University of New York at Potsdam, where she established the Center for Undergraduate Research and served as its Director. At SUNY Potsdam, she was a tenured Associate Professor of Biological Anthropology and chair of the Anthropology Department. She has a long history of collaborating with undergraduate researchers.

An impassioned advocate for the value of student scholarship and creative work, Dr. Usher currently serves as the Immediate Past President for the Council on Undergraduate Research (CUR). Within CUR, she has had many organizational roles, including serving on the Executive Board member, chairing the Undergraduate Research Program Division, and Co-chairing of the CUR National Meeting.

Career Development Workshops

11:00 A.M. – 3:30 P.M.

Maugans – Center for Career Success

11:00-11:45am- Career Development Open House for English Majors

Look no further for the personalized guidance you need to turn your ENGL research and course experiences into compelling stories for a cover letter or bullet points for your resume and LinkedIn profile. Come by the Center for Career Success on the ground floor of Maugans to meet with members of the Career Success team and get 1:1 feedback. Come for lunch and leave with a leg up for post-graduate success!

2:30-3:30pm- Career Development Open House for ALL Majors

Look no further for the personalized guidance you need to turn your research and course experiences into compelling stories for a cover letter or bullet points for your resume and LinkedIn profile. Come by the Center for Career Success on the ground floor of Maugans to meet with members of the Career Success team, get 1:1 feedback, and enjoy refreshments.

Rotunda – Room 315

11:30-12:30pm- Pre-med with a Purpose: Guidance from Campus to Med School Admissions

Join us to gain valuable insights into the pre-healthcare journey, from choosing the right courses and extracurricular activities in college to preparing for the demanding admissions process. You'll receive practical advice on crafting a competitive application, understanding the expectations of medical and healthcare-related programs, and aligning your academic and personal goals with your aspirations in medicine. This session is perfect for students seeking guidance and direction as they pursue a future in healthcare. We're excited to feature a special guest, Lisa Leichner, Recruiting Specialist for VCOM!

Rotunda – Room 312-314

12:00-12:45pm- Articulating Psychology Curriculum Accomplishments

Look no further for the personalized guidance you need to turn your capstone or independent research project, history & systems paper, internship, and other PSYC class experiences into stories for a cover letter or bullet points for your resume and LinkedIn profile. Come for lunch and leave with a leg up for post-graduate success!

Inclusive Excellence Symposium

Keynote Address- 1:00-2:00 p.m. Maugans- Martinelli Board Room

1:00 p.m.- Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

1:10 p.m.- Keynote Address by Dr. Bethany Usher, Provost and Senior Vice President for Academic Affairs, Radford University, Immediate Past President of the Council on Undergraduate Research

Theatre 389 – Integrated Arts Theatre, Live Performances- 9:45-10:15 a.m. CSTAC 101

Hannah Osborne, Serena Dean, Vy Thanh Dang, Kailyn Austin (Faculty mentor, Dr. Ronda Scarrow)
The Integration Station with Serena Dean

Sydney Bernier, Russell Eanes, Lauren Houck, Emma Shepperson (Faculty mentor, Dr. Ronda Scarrow)
Breaking News: Creativity Takes the Classroom

Poster Session I- 9:30 – 10:30 a.m. Blackwell Ballroom

Austin Burnett (Faculty mentor, Dr. Erin Waggoner)
Harvey Milk Through the Eyes of San Francisco Archives

Ava Dobbs (Faculty mentor, Dr. Heather Lettner-Rust)
Bones, Brains, and Other Remains: How Museums Can Offer Reparations for the Unethical Acquisition and Storage of Human Remains

Yasmin Idheileh (Faculty mentor, Dr. Katrina Marks)
"As Long as You're my Partner in Time": Nostalgia in the Elements of Life is Strange

Christian Cordova, Tucker Hartz (Faculty mentor, Dr. Elise Green)
Communicating Technically: Building a LEGO Camel

Mackenzie Gordon, Carson Van Cleef (Faculty mentor, Dr. Elise Green)
The Rubber Duck: A LEGO Design

Harmonie Jendro, Alylah Peters (Faculty mentor, Dr. Elise Green)
"Uncaged": A LEGO Design

Poster Session III- 11:50 – 12:50 p.m. Blackwell Ballroom

Benji Benjamin
The Black Reconstruction: Gender and Unity

Digital Commons



We Help Share Your Research

ABOUT DIGITAL COMMONS

Digital Commons is the institutional repository at Longwood University, a space where research and projects from faculty and students can be digitally preserved and provide open access for further research.



BENEFITS OF SUBMITTING



Discoverability

Link your work on resumes and be discoverable through major search engines like Google.



Preservation & Storage

Easily pull up your work with a Google search: access multiple files including videos, PDFs, and more.



Open Access Publication

Establish publication dates to prevent copyright theft and share your work with other researchers.

WHAT CAN I SUBMIT?

You can submit your entire poster or paper (Word, PowerPoint, PDF, etc.) or just an abstract or sample of the results. You can submit a picture of your artwork or a video of your presentation. You may submit multiple files and many different formats are accepted.

HOW DO I SUBMIT TO DIGITAL COMMONS?

Scan the QR code to view the Digital Commons page dedicated to the Spring Showcase for Research and Creative Inquiry.



Visit <https://digitalcommons.longwood.edu> to explore Digital Commons.

Email questions to digitalcommons@longwood.edu

Junior Art Show

Junior Show for Studio Art and Graphic and Animation Design Programs

11:00 a.m. – 1:00 p.m.

**11:30a.m.- Awards Ceremony
Bedford Gallery**

Please join the department of Theatre, Art, Graphic and Animation Design for the opening reception of the Junior Show. Held in Longwood's Bedford Gallery, this yearly exhibition highlights the work of our junior class students in the Studio Art, and Graphic and Animation Design programs. Come by the Bedford Atrium from 11 am-1 pm to help us celebrate our students' achievements in Art and Design!

Chloe Adkins
Reagen Bakalov
Christian Bass
Hayden Beasley
Haleigh Boggs
Matthew Cavanaugh
Cameron Clarke
Ian Coleman
Mackenzie Courtney
Jamiah Cypress
Maggie Duncan
Emily Drumm
Lorianna Elliott
Christian Gambill
Kristina Godette
Nicolle Orellana Guevara
Rachel Head
Shaylise Jones
Brennan W. Laurie
Ashlee Lawson

Logan Macklin
Erica Mai
Nyla McEachin
Brendan McHugh
Lauren Mick
Celia Ortiz
Delaney Rever
Sydney Robertson
Sarah Schettini
Claire Schultz
Jaylene Torres
Abigayle Torricco
Nayla Turpin
Onyinye Ugbomah-Otunuya
Erika Webne
Leah Westen
Marlen Whitaker
Hannah Williams
Nyah Wilson

Theatre 389: Integrated Arts Theatre, Live Performances CSTAC 101

Faculty mentor, Dr. Ronda Scarrow

9:30-9:45

Madison Penn, Kate Hix, Madison Dykstra, and Adam Kate
Incorporating Visual Arts and Music in The Everyday Classroom

9:45-10:00

Hannah Osborne, Serena Dean, Vy Thanh Dang, and Kailyn Austin
The Integration Station with Serena Dean

10:00-10:15

Sydney Bernier, Russell Eanes, Lauren Houck, and Emma Shepperson
Breaking News: Creativity Takes the Classroom

10:15-10:30

Hannah Palmore, Kendall Hayes, Megan Cheff, and Trinity Smith
Teacher Meets World

10:30-10:45

Allison Hess, Emma Humphrey, Kelsey Madden and Brooke Marshall
A Senate Hearing Advocating for Integrating Visual Arts and Music into the Classroom

10:45-11:00

Jessica Behan, Carly Calloway, Tatyana Cooper, and Danielle Foley
Music Matters: A Talk Show Exploration of Sound and Education

11:00-11:15

Jenna Mitchell, Olivia McLoughlin, Katlyn Offield, and Zoë Maxwell
Breaking News: Dance and Music in the Classroom!

11:15-11:30

Jessica Silkensen, Rachel Tracy, Rylee Towery, and Kristina Triebsch
The Incorporation of Theatre and Music in A Sitcom

11:30-11:50

Danielle Foley
Arts in Elementary Classrooms

Citizen 410: Theatre as a Civic Space, Live Performances

CSTAC 101

Faculty mentor, Professor Jeffrey Todd Parrott

2:00-2:15

Emma Piper, Katlyn Offield, Arionna Folk, Jillian Amos, Kayleigh Newman, Taylor Call, Thomas Richman, Ian Reams, Zach Dupont, Luca Evans, Jessica Hernandez, Kiana Lewis, Sydney Bernier, Alyssa Hagan, Rachael Foster, Zach Kenny

Health in Farmville: A New Documentary Play Workshop Reading

Department of Music Chamber Music Ensembles

Molnar Recital Hall

Faculty mentors, Dr. Laretta Werner Merriman, Dr. Roland Karnatz, Dr. David Moore, Dr. Michael Waddell, and Professor Susan Davis

2:30-3:30

Sophie Edwards, Ethan Heimbach, Madison Branch, Amani Hinton, Melonee Gray, Jillyan Foltz, Ryder Wölfle, Johnnie Santiago-Borges, Haleigh Giles, Emily Christian, Jaden Watkins, Claire Manley, Ian Adegbenro, Deon Hensley, Andrew Sisson, Thomas Gwaltney, Kris Diffin, Theresa Bennett, String Studio, and the High Brass and Low Brass Studios

MUSC 181-481 - Applied Instrumental Music Lessons

MUSC 385 - Chamber Music Lessons

The performance will feature various chamber music settings, such as trios, quartets, a combo, and large ensembles. The repertoire performed will feature various musical styles, such as classical, jazz, and pop. Students have been working on this chamber music repertoire throughout the entire semester, in addition to solo and large ensemble repertoire.

Biology 251: Introduction to Ecology and Evolution, Oral Presentations

Rotunda – Virginia Room
9:30 – 12:00 p.m.

Faculty mentor, Dr. Jill Pestka

9:30-9:45

Ryan Smith, Nathaniel Miller, Jake Grinnell, Kylie Houseknecht
Effects of Light Exposure on Redbud Tree Growth

9:45-10:00

Madison Wyand, Katie Petersen, Aiden McDuffie
The Effect of Salinity on Growth of Dogwood Plants

10:00-10:15

Mark Betts, Hallie Lescalleet, Jocelyn Zanca
Rooted in Science: How Soil Types Shape Plant Growth

10:15-10:30

Trinity Crahan, Ashlyne McKinney, Donovan Roberts, Eliza Keeton
The effects of salt on Red Bud Seedlings and how different levels of salt exposure in water presents in the tree's growth

10:30-10:45

Olivia Meier, Laura Honeycutt, Zachary Allen, Jaxon Healey
Presence of Ionicera in different areas around the EEC

Break

11:00-11:15

Chiara Wippert, Serenity Opie, Kaylie Stewart
The Effect of Organic Fertilizer on Pine Seedling Growth

11:15-11:30

Daniel Duarte, Nikolas Holt, Peyton Irby, Isis Bigelow
Observation of Frog Length and Sound During the Spring Season

11:30-11:45

Brandi Dawson, Evelyn Kreitz, Aaron Edley
Effects of Humidity and Water Availability on Lichen Growth

11:45-12:00

Sarah Lacy, Andrew Doughty, Amy Nardini, Hailey Lindsay
Pleurtus ostreatus (Blue Oyster) Decomposition Rate of Different Types of Pollution

Perspectives on Research in Science and Mathematics (PRISM), Oral Presentations

Rotunda – Prince Edward Room

9:30 – 12:00 p.m.

9:30-9:45

Eli Stark, (Faculty sponsor, Dr. Julian Dymacek)

Transient Bird Movement and Deep Non-negative Matrix Factorization

9:45-10:00

Somaya Ahmadi, (Faculty sponsor, Dr. Sanish Rai)

Multi-spatial occupancy estimation using machine learning

10:00-10:15

Ryan Childress and Emma Heisig, (Faculty sponsor, Dr. Steven Hoehner)

Partial Covering of the Sphere with Five Caps

10:15-10:30

Emma Schroeder and Kevin Rivera-Ayala, (Faculty sponsor, Dr. Jeff Ledford)

Frames and Geometric Things

Break

10:45-11:00

Jay Geeslin and Emma Snead, (Faculty sponsor, Dr. Amanda Starr)

Fungus Among Us: Are Microplastics Making Fungi More Fearsome?

11:00-11:15

Makayla Seamster, (Faculty sponsor, Dr. Dale Beach)

*Sequencing DNA sequence of *Pilobolus crystallinus* for fun and profit*

11:15-11:30

Paige Springer, (Faculty sponsor, Dr. Dale Beach)

Toxins from the Sky

11:30-11:45

Mira Strong, (Faculty sponsor, Tyler St. Clair)

Additives in Electrospun Fibers

11:45-12:00

Lina Mohamedhaj, (Faculty sponsor, Dr. Benjamin Topham)

Molecular design for single molecule electronics

Interdisciplinary Science 121: Entering Research II, Oral Presentations

Rotunda 115

9:30 – 10:30 a.m.

Faculty mentor, Dr. Alix Fink

9:30-9:40

Kaitlin Rumford, Luke Heffron

The Bay in a Bottle: The Effects of Nutrient Additions on Algae Growth

9:40-9:50

Layla Mohrmann, Taylor Phillips

Approaching The Dead Zone: Effects of Nutrient Additions on Algae Growth

9:50-10:00

Paris Harper, Michelle Mendoza-Lozano

Marine Life vs Algae: Fight of a Lifetime

10:00-10:10

Lamar Haskins, Sunshine Kimball

The NPK of the Chesapeake Bay: how nutrients affect algae growth

10:10-10:20

Jeremiah Stroud, Madison Irving

Phosphorus Problem? How changing a limiting nutrient affects algae growth

Longwood Senior Thesis Program, Oral Presentations

Rotunda 116
10:30 – 11:30 a.m.

10:30-10:45

Jade Riddle, (Faculty sponsor, Dr. Dale Beach)

Effects of Spatial and Temporal Variability on Bacterial Diversity and Community Composition in Roof-Harvested Rainwater across Central Virginia

10:45-11:00

Grace Cohen, (Faculty sponsor, Dr. Amorette Barber)

Blockade of chPD1 T cell derived cytokines decreases cytokine release syndrome related inflammatory markers in acute lymphocytic leukemia

11:00-11:15

Victoria Walden, (Faculty sponsor, Dr. Amorette Barber)

Peptidylarginine Deiminase 4 Inhibitor Cl-Amidine and Rapamycin Exhibit Synergistic Anticancer Effects on Ovarian Cancer Cells

11:15-11:30

Helena Loucas, (Faculty sponsor, Dr. Kenneth Fortino)

Evaluation of the impact of Urban Stream Syndrome on macroinvertebrate functional feeding diversity and organic matter processing in streams

Biology 488: Fourth Year Biology Seminar, Oral Presentations

Rotunda- Prince Edward Room

2:30 – 4:00 p.m.

Faculty mentor, Dr. Mark Fink

2:30-2:45

Christian Higgins, Cara O'Beirne, and Emma Thompson

Reproductive Innovations: Building a Community-Led Science Initiative

2:45-3:00

Madison Smith, Julia Boisvert, Ashley Seiders

Opioid Epidemic Community Science Intervention

3:00-3:15

Lauren, Vasquez, Amanda Cedeno, Maddie Pierce

A New Initiative for Asthma in Public Health

3:15-3:30

Amanda Doty, Miranda Helfenbein, Mae Leighton

The Critical Role of Community Science in Invertebrate Conservation

3:30-3:45

Nicole Pinder, Taylor Fifer, Victoria Walden, Helena Loucas

Animal Behavioral Responses to Urbanization in Rural Communities

English 320: Critical Theory, Oral Presentations

Rotunda- Virginia Room

2:30 – 5:30 p.m.

Faculty mentor, Dr. Sean Barry

2:30- 3:00- Panel 1

Eva Harner

The Laugh of the Red-headed Medusa: *Pippi Longstocking* as Women's Writing

Jasmine Martin

The Only Girl in Derry, Maine: A Cixousian Reading of Beverly Marsh in Andy Muschietti's *It Chapter Two*

3:00- 3:30- Panel 2

Ann Bottoms

"One Must be Firm in Cutting Out Details": the Erasure of Identity in *Things Fall Apart*

Kathryn Lowe

Alone on the Bench: Racism and Estrangement in Athol Fugard's *Master Harold.....and the boys*

3:30-4:00- Panel 3

Jesse Frye, Jerry-atric Rupert

The Dialectical Self in Martin Scorsese's *The King of Comedy*

Charity Dubose

The Phenomenology of Streaming in Netflix's *You*

4:00-4:45- Panel 4

Alyssa Alexander

A Marriage by any Other Sign: Social Signification in *The Way of the World*

Caroline Luebs

Re-reading F. Scott Fitzgerald's *Woman Drivers*

Keiana Harris

Sciences of Repression in Hawthorne's *The Birthmark*

4:45-5:30- Panel 5

Ava Dobbs

The Bride's Sword: Fetish, Feminism, and Violence in *Kill Bill*

Kayla Nolte

The Allegory of the Pod and the Reality of Gender in *The Matrix*

Kendall Bailey

Finish Your Cereal and Determine Your Fate: Simon & Garfunkel on How the Draft Interpellates the Drafted

Cormier Honors College and Independent Research, Oral Presentations

**Rotunda 115
2:30 – 4:00 p.m.**

2:30-2:45

Allie Harton, (Faculty sponsor, Dr. Lee Bidwell)

The Power of a Positive Principal

2:45-3:00

Daniel Hince, (Faculty sponsor, Dr. Isabel Fay)

Rhetorical Theory's Shift: Neo-Aristotelian to Subtlety

3:00-3:15

Bailey Shaw and Amanda Wilson, (Faculty sponsor, Dr. Chris Bjornsen)

Testing Plato's Concept of the Soul in the Tarot and Jungian Individuation

3:15-3:30

Emily Brown, Christian Higgins, Emma Snead, (Faculty sponsor, Dr. Barber)

Johnny's immunodeficiency: A Deep Dive into Hyper IgM Syndrome

3:30-3:45

Drew Adams, (Faculty sponsor, Dr. Adam Davis)

Trends in the Environmental Job Market

Communication 460: Communication Research, Oral Presentations

Blackwell Ballroom Balcony

9:00 – 1:00 p.m.



Presents

**COMM 460 COMMUNICATION RESEARCH
Live Streaming Senior Research Presentations
As Part of the Research and Creative Inquiry Showcase at Longwood University**

Each research group will present their semester long research project in a 5 to 7 minute oral presentation. The presentations on April 23rd starting at 9: a.m. You can watch and comment on the presentations on the department's [YouTube channel](#).

April 23 Presentation Schedule
[YouTube channel](#)



All times are approximate and subject to change.

- 9:00** Dr. Stouffer and Dr. Hosterman
Opening Remarks
- 9:05** Ryan Barbour and Braden Hamilton
NFL Fans' Perceptions of the NFL Showing Games on Paid-For Streaming Services
- 9:14** Allison Hansen
Generational Perception of Euthanasia and Assisted Suicide
- 9:23** Juliet Green and Brandon Laine
The TikTok Shop and How It Affects Young Adults and Businesses

- 9:32** Fayth Julius
Generation Z and Millennials Relationship with Media and Politics
- 9:41** Jake Oudrhiri
Fan Perception of the Changing Landscape of the NCAA
- 9:50** Mara Beck and Hailee Ward
Banned: The Effects of the TikTok Ban on Content Creators
- 9:59** Hailey Villalpando
Influencers' Effect on Online Shopping
- 10:08** Sydney Skillin and Emmalee Weaver
The Olympic Effect: Media Consumption, Patriotism, and Audience Engagement
- 10:17** Kaitlyn Croker and Emma Mulholland
Public Perception of Influencer Apologies: How Followers Interpret Digital Accountability
- 10:26** Christian Benniefield
America's Perception of Violence in Movies
- 10:35** Anthony Pizzi
What Role Do Social Support Networks Play in the Mental Health of College Students?
- 10:44** Jane Ramsay and Jacob Williams
Contemporary Cinema: Consumers' Reactions to the Presence of DEI
- 10:53** Caleb Huddleston
How Online Gambling Advertisement Strategies influence Gambling Addiction Development
- 11:02** Rachael Foster and Sarah Gibbons
Reasons Why Individuals Watch True Crime Series
- 11:11** Lauren Barrineau and Peyton Shiflett
Exploring the Impact of TikTok on Mental Health: Revealing the Negative Effects on Users' Well-Being
- 11:22** Kaitlyn Cantu and Lauren Pallas
Celebrity Endorsements and Brand Image
- 11:31** Latoya Downing and Maddison Guest
The Silent Majority: College Students vs. Public Opinion on Controversial Issues
- 11:40** Xavier Davis and Katie Drummond
What Makes an NFL Fan?
- 11:49** Jordan Ellerson and Joselyn Sanders
Generation Z Instagram Interactions vs. Face-to-Face Interactions

- 11:58** Nick Hamlett and Elijah Tucker
NIL vs. The Integrity of College Sports
- 12:07** Zack Kenney and Courtney Yates
The Effects and Differences of Social Media Communication by Race, Generation, Sexual Identity, and Gender
- 12:16** Conifer Selintung and Ryan Forrest
Exploring the Impact of Reality Television: Viewers' Perspectives and Preferences
- 12:25** Shane Lyons
Motivational Factors of Participants for Nonprofits
- 12:34** Kaden Flessner and Dalton Moore
The Nebulous Nature of the Genres of Video Games
- 12:43** Alexis High and Bella Mccullough
Movie Poster Design and How They Impact Consumer Appeal
- 12:52** Micheila Parks and Isabel Schlusel
Mental Health and Self Image on TikTok
- 12:59** Dr. Stouffer and Dr. Hosterman
Closing Remarks

Art 352: Printmaking and Art 385: Critical Making, Oral Presentations

Bedford 111

2:00 – 4:00 p.m.

Kasey Fetty, (Faculty mentor, Prof. Kelly Nelson)

The Use of Printmaking in Children's Literature: For Educators

Christian Bass, Hayden Beasley, Haleigh Boggs, Anna Clark, Ash Drumm, Maggie Duncan, Jasmine Gullixon, Rachel Head, Logan Macklin, Lauren Mick, Willow Morge, Delaney Rever, Sarah Schettini, and Leah Westen (Faculty mentor, Prof. Kathleen Kennedy)

Critical Making Research Presentations

Students from ART 385: Critical Making will present research for their Dream Exhibition. These presentations ask students to act as a curator and create a presentation that describes an exhibition of their own conception. This exhibition includes their own work alongside the work of other artists whose research intersects with theirs.

Graphic and Animation Design 462: Senior Professional Seminar, Oral Presentations

Bedford 211

2:00 – 4:00 p.m.

Faculty mentor, Dr. Donovan Douglas

Brodie Glanden, Margaret Glenn, Briella Mitchell, Simone Moody, Trinity Moore, Hannah Rice, Brock Van Winkle

Graphic and Animation Design Senior Projects

Poster Session I- 9:30 – 10:30 a.m.

Blackwell Ballroom

Independent Research

Posters 1-30

Ryan Abernathy, Kyra Johnson (Faculty mentor, Dr. Heather Kissel)

Bad Buds and their Effect on Lifetime Marijuana Usage

Kayla Gonzalez, Calista Stewart (Faculty mentor, Dr. Eric Laws)

The Effects of Biological Sex on Aggressive Responses to Video Game Observations

Alicia Hoffman and Megan Livesay (Faculty mentor, Dr. Jenn Cuchna)

Wet Cupping Compared to Dry Needling for Treatment of Patients with Low Back Pain: A Critically Appraised Topic

Austin Burnett (Faculty mentor, Dr. Erin Waggoner)

Harvey Milk Through the Eyes of San Francisco Archives

Ava Dobbs (Faculty mentor, Dr. Heather Lettner-Rust)

Bones, Brains, and Other Remains: How Museums Can Offer Reparations for the Unethical Acquisition and Storage of Human Remains

Yasmin Idheileh (Faculty mentor, Dr. Katrina Marks)

"As Long as You're my Partner in Time": Nostalgia in the Elements of Life is Strange

Mason Perkins (Faculty mentor, Dr. Corey Call)

Restorative Justice: An International Comparative Analysis

Angelina Scotece (Faculty mentor, Dr. Dale Beach)

Acanthamoeba castellanii Screening in Rainwater Harvesting Systems

Amanda Doty (Faculty mentor, Dr. Amanda Starr)

Microbial Mischief: The Bacterial Influence on Frog Fungus

Gabi Quaresma (Faculty mentor, Dr. Amanda Starr)

Airborne Armies: Antimicrobial Resistance in Livestock Communities

Taylor Pulley (Faculty mentor, Dr. Amanda Starr)

*Carbon and Nitrogen Influence on Enzyme Production in *Batrachochytrium dendrobatidis**

Ashleigh Mann, Nicolas Bates (Faculty mentor, Dr. Danna Cristian)

*Root Microbiome: Investigating Changes in Gene Expression and Metabolite Biosynthesis in *Pseudomonas simiae* WCS417r in Response to Root Exudates of *Arabidopsis thaliana* Wild-Type and *lht1* Mutant*

Rachel Danzitz (Faculty mentor, Dr. Bjoern Ludwar)

Iron-Oxidizing Bacteria in Local Wells: A Study in Microbial Characterization

Kexin Li (Faculty mentor, Dr. Bjoern Ludwar)
Deep Learning for Fingerprint Symmetry Assessment: A Machine Learning Approach

Madison Smith (Faculty mentors, Dr. Bjoern Ludwar and Dr. Mary Lehman)
From Herbarium to Crime Scene: Assessing SEM and LM for Pollen Identification

Keira Trigg (Faculty mentor, Dr. Bjoern Ludwar)
Visualizing air flow with Schlieren Imaging

Marissa Jennings and Samantha Apperson (Faculty mentor, Dr. Bjoern Ludwar)
Correlation between Blood Glucose and Cortisol Levels

Anaaya Monroe (Faculty mentor, Dr. Jonathan White)
Synthesis and investigation of a cisplatin derivative with an attached fluorescent group

Tyler Witt, Antonio Harvey (Faculty mentor, Dr. Tyler St. Clair)
Exploring Solvatochromic Effects of Fluorescent Dyes in Polymer Blends

Elaina Grogg (Faculty mentor, Dr. Benjamin Topham)
Advancing chemical control of single molecule electronics: A computational investigation

Benjamin Gettier (Faculty mentor, Dr. Ravi Sankar)
Using Autonomous Bathymetric Mapping to Identify Optimal Sites for Living Shoreline Implementation in Coastal and Estuarine Environments

Emily Farmer (Faculty mentor, Dr. Ravi Sankar)
A Geomorphological Risk Assessment of Site 44SY0102 in Regard to Coastal Erosion

Sarah Lacy (Faculty mentor, Dr. Ravi Sankar)
An Updated Analysis of Coastal Change for an Arctic Local Using Remote Sensing

Nikolas Holt (Faculty mentor, Dr. Adam Davis)
Mapping of rock outcrops in the Virginia piedmont

Lorelei Long, Mackenzie Powell (Faculty mentor, Dr. Larry Collins)
Living Shorelines: Pathways that Promote Acceptance

Evelyn Kreitz (Faculty mentor, Dr. Larry Collins)
Approaches to Combating Avian Window Collision Mortality

Leleya Stallard (Faculty mentor, Dr. Kenneth Pestka II)
Computational Modeling of Astrophysical Systems

ANTH 470 – Analysis and Presentation of Archaeological Data

Faculty mentor, Dr. Brian Bates
Posters 31-33

Lily Boysworth, Devin Edwards, Thomas Wiles
Ceramic Pipe Analysis of the Wade and Sanders Site Collections

Margaret Dudley, Savannah Hall, Saverio Lombardo
Taxonomy Smackdown: Dan River vs. "Clarksville"

ENGL 319 – Technical Writing

Faculty mentor, Dr. Elise Green
Posters 34-47

Maria Turner, Tyler Whitlock
A Lego Kit: Technical Writing in Website Development

Sarah Auman, Antonio Mizelli
Nature Robot: A LEGO Design

Christian Cordova, Tucker Hartz
Communicating Technically: Building a LEGO Camel

Blair Scott, William Perkins
"Plane": A Lego Design

Stephen Barrett, Greg Eppes
Who's That Pokemon? A Lego Design

Song Ho, Olivia Wilmoth
Entertainment Center: A Lego Design

Mackenzie Gordon, Carson Van Cleef
The Rubber Duck: A LEGO Design

Eli Stark, Shelby Gaskill
A LEGO Build: A Usability Test to Test the Prototype

Abigail Driscoll, Nathan Jordan
Technical Communication: Designing a LEGO Build

Abdiel Orellana, Vito Badalamenti
A Technical Communication and Writing Experience: Constructing A LEGO Experience

Marley Huddleston, Lane David
Designing Communication: A LEGO Experience

Zoe Nash, Colin Wells

Lazy Riverside Shopping: A LEGO Experience in Technical Writing

Harmonie Jendro, Aylah Peters

"Uncaged": A LEGO Design

Poster Session II- 10:40 - 11:40 a.m.
Blackwell Ballroom

NURS 360 – Introduction to Research and Evidence Based Practice

Faculty mentor, Dr. Kathryn Miller
Posters 1-8

Jenna Branch, Aniston Borden, and Haley Vanover

The impact of scheduled hourly rounding on fall reduction in hospitalized stroke patients

Oliver Sciulli, Gage Powell

How do pharmacological therapies compare to non-pharmacological therapies in improving overall well-being, in patients who have dementia with comorbidities of depression and anxiety?

Evie West, Molli White

Infection Prevention Insights: Examining Respiratory Protective Equipment Compliance and Safety Practices

Mackenzie Sherman, Tia Smith

The Correlation Between Physical Activity During Pregnancy and the Diagnosis of Gestational Diabetes

Christina Drinkwater, Austin Glockner

In dementia patients in long-term care facilities, how does the use of virtual reality for reminiscence therapy, compared to standard care without virtual reality interventions, affect feelings of isolation, emotional well-being, mood, social engagement, and cognitive functioning?

Alexandria Engelhart, Annie Devine

How does racial bias affect the level of pain management for African Americans in contrast to white patients while being treated in the Emergency Department?

Christina Drinkwater, Austin Glockner

In dementia patients in long-term care facilities, how does the use of virtual reality for reminiscence therapy, compared to standard care without virtual reality interventions, affect feelings of isolation, emotional well-being, mood, social engagement, and cognitive functioning?

PSYC 461 – Psychology Capstone: Research

Faculty mentor, Dr. Timothy Ritzert
Posters 9-18

Rachel Demnicki, Ryley Stoutingberg, Victoria Moyer

How Good is Your Memory?

Jodi Pool, Sadie Kerns

Starving for a Buzz

Addison Anderson, Maggie Arnold, Megan McConnell
Seeing is Remembering

Da'Naysia Bethel, Hope Krukowski, Olivia Lineweaver
Relationships and Sex

Lynn Baker, Mackenzie Gordon, Bailey Shaw
Assessing Memory: Memory Matters

Zoie Hudson, Abigail Ruddy
The Impact of Classroom Dynamics and Academic Achievement

Meredith Foster, Bailey Roan, Taylor Sherrof
The Relationship Between Attachment Style and Risky Behavior Among College Students

Lea Amburgey and Lealani Dove
In a mood? Think outside the box!: How Emotion Impacts Creativity

Elin Anderson, Gabrielle Mullins
The Impact of Weapon Presence on Eyewitness Accuracy and Confidence

PHYS 223- University Physics Lab II

Faculty mentor, Dr. Kenneth Pestka II

Posters 19- 33

Feline van Eijkelenburg
The Hubble Law

Thomas Spencer
Hubble Law Relationship

Julio Cortes
Hubble Law

Reese M. Vincent
Hubble Law

Avery Smith
Charge to Mass Ratio

Andrew Bernhardt
Charge to Mass Ratio

Elijah Tonello
Charge To Mass Ratio

Ben Benke
Drag Forces

Parker Jones
Drag Forces

Preston Mitchell
Drag Forces

Ethan Pettyjohn
Drag Force

Connor Green
Dice

Martin Sawyers
Dice

Andrew Cavanaugh
Dice

POSC 461- Senior Seminar
Faculty mentor, Dr. Mary Carver
Posters 34-49

McKayla Kiser
Should Citizenship be Jus Soli or Jus Sanguis?

Keara Regan
College Age Students Opinions on Congressional Term Limits

Jennings Naquin
Opinions on Supreme Court and Possible Institutional Reforms

Chad Weimer
Young Adult's Confidence in Democratic Institutions and Methods

Triston Clark
Government Influence on Media: The Erosion of First Amendment Freedoms

Avery Brown
Public Perceptions of Transgender Athletes in Women's Sports: A Study on Attitudes and Opinions

Tess Robertson
Local Journalism and Democracy

Vincent Hudson
How does social media influence college students' political opinions and behaviors?

Trista Rollins
Researching the Paris Climate Accords

Devon Southard

The Government and Cyber Law

Molina Natalia, Greg Robinson, Bannai Lorraine, Tushnet Mark, Okimoto Gary, Julie Sly

Citizenship and wartime power in Korematsu v. United States

Savannah Warren

The Effect of Social Media on Voting Behavior

Zachary Dupont

Opinions on the health of congressional members

Natalie McCarty

White House National Security Strategy effect on the Military Strategy

Nicholas DiModica

Complexities of the eastern Mediterranean basin

HIST 414- History of Capitalism

Faculty mentor, Dr. Gregory Mole

Posters 50-57

Lauren Trent

Plague Economics

Jack Kreiner

Effects of Dutch Tulip Bubble (1634-1637)

Colby Heath

Khrushchev's Economic change to the Soviet Union

Cassandra Nelson

Consumer Culture in Cold War America

Kat Marshall

Economic Transparency and the French Revolution

Daniel Hince

The Panic of 1837

Caleb Sullivan

Mansa Musa: The Gold That Shook Nations

Eric Whetsell

Deng's China: forsaken communism or a new way forward?

Poster Session III- 11:50 – 12:50 p.m.
Blackwell Ballroom

NURS 230 – Foundations of Nursing Practice

Faculty mentors, Dr. Elizabeth Parker and Dr. Pamela Compton-Dooley
Posters 1-24

Natalie Troupe, Angelina Nguyen, Riley Wieland
Incivility among nurses

Olivia Browning, Sydney Taylor, Avah Etheridge
How Artificial Nails Pose a Risk in Health for Patients in the Field of Nursing

Sydni Erwin, Baylee Schkeeper, Delaney Penix
Nursing Impact on Colon Cancer

Thomas Romero, Kevin Huang, Avery McClenny
AI-Triage systems in Eds

Attoria Brooks, Jerkiya Savage, Ciara Spencer
Maternal Mortality Peri-Labor

Kelsey Boltz, Macy Berringer, Lexi Campbell, Noelle Caminiti
The Correlation Between Nurse to Patient Ratios and Patient Outcomes

Kayleigh Knight, Taylor Mayo, Taylor Leland
How sleep affects nurses

Audrey Lowery, CJ Parnell, Cassidy Lamb
How can nurses impact polypharmacy in patients?

Leah Daniel, Riley Bazemore, Katelyn Vasquez
Alternatives to Pharmacological Pediatric Pain Management

Kennedy Martin, Campbell Brandt, and Auggie Hilburger
What is the Role of the Nurse While Using Biotherapy for Wound Care?

Olivia Gaines, Katie Tuck, Lily Hayostek
Alcohol Withdrawal Syndrome

Alexandra Allwood, Marybeth Martens, Maryjan Vicente Mendez
The Role of Nursing in Implementing Prone Positioning for Patients with ARDS

Dylan Bowen, Ainsley Hill and Kate Jackson
Exploring the effectiveness of non-pharmacological approaches to anxiety management in hospitalized patients

Duke Brown, Hailey Teague, Cara Hann, Joslyn Liu
Music Enhances Positive Treatment Outcomes During Medical Procedures

Raegan Lumpkins, Lauren Caldwell, Ra'Asia Uddin
The Physical and Psychological Impacts of Extended Bed Rest on Long-Term Care Patients

Madison Fitzpatrick, Haleigh Perry, Allison Bernau, Adrinana Vidal
Impact of Civility and Incivility on Nursing Relationships

Dejainae Tannahill, Gabrielle Evans, and Grayce Edwards
The Effects of Caregiving on the Mental Health of ICU Nurses

Grace Sprong, H Alexander, Kenly Saunders, and Bree Lander
How Psychological Factors Affect Malnutrition in Geriatric Patients

Katie Gebhard, Rylee Robertson, Berkely McCabe
Patient Violence versus Healthcare Workers

Makayla Gentry, Brooke Napier, and Rebecca Williams
The impact of remote patient monitoring on fall events in the acute care setting

Avery Evans, Cara Gowdy, Kelsea Miller
Importance of Communication with Physicians using the SBAR Technique

BIOL 395 – Medical and Veterinary Entomology

Faculty mentor, Dr. Joanna Reinhold

Posters 25-36

Mackenzie Kushner
Vectors Western Equine Encephalitis

Andrew Schaefer
Analysis of Schmidt Pain Index and Sting Science

Brianna Edgar
Bed-bug induced Histamine Exposure

Zachary Coleman Taylor
The Effect of Climate Change on the spread of Arboviruses in the United States

Kirsten Eberly
Lyme Disease: Exploring the Variables Behind Rising Infection Rates in Virginia

Madison Carter, Erica China
Impacts of Malaria in Southeast Asia with emphasis on Pakistan and Bangladesh

Taylor Balovich
The Positives of Venomous Spiders

Trinity Luxeder
The Impact of Water Hyacinth (Eichhornia crassipes) and Giant Salvinia (Salvinia molesta) on Mosquito Populations and the Risk of Mosquito-borne Diseases

Melisson Piercy
Anopheles-Borne Malaria

Javier Roldan
The most neglected disease is spreading through the U.S, should we be worried about the insects who spread it?

Bradley Pugh
Climate Change and Creeping Threats: How Climate Change Fuels the Spread of Vector-Borne Diseases

BIOL 427 – Molecular Mechanisms of Disease

Faculty mentor, Dr. Dale Beach
Posters 37-40

Madison Pierce, Lauren Vasquez, Jade Riddle
The Fermentation Microbiome of Kimchi

Mae Leighton, Brooke Bonner, Nick Bates
Geographic metagenomics of fermented dairy products

Taylor Pulley, Kenya Carrillo Hernandez, Angelina Scotece
Grime Scene Sweepers: Categorizing Toothbrush Microbiomes

CHEM 333 – Introduction to Chemical Laboratory Problem Solving

Faculty mentor, Dr. Melissa Rhoten
Posters 41-45

Elaina Grogg, Melissa Howard
Application of analytical methodologies to the analysis of food flavoring agents: Part I

James Daniel, Anaaya Monroe, Kexin Li
Application of analytical methodologies to the analysis of food flavoring agents: Part II

Samantha Ruano Carrillo, Moorea Whitfield, Bryant Corbin
Application of analytical methodologies to the analysis of food flavoring agents: Part III

Tyler Witt, Anna Wallace
Application of analytical methodologies to the analysis of food flavoring agents: Part IV

HIST 407 – Seminar in United States History- Reconstruction

Faculty mentor, Dr. David Coles

Posters 46-60

Alexander Mosley

The Path to Division and Decline for the Republican Coalition

Colby Heath

Black Codes in the South

Kat Marshall

Black Education and the Establishment of Black Colleges and Universities During Reconstruction

Kitt Benson

Freedmen in Indian Territory

John Bultje

Andrew Johnson's Impeachment

Benji Benjamin

The Black Reconstruction: Gender and Unity

Kadyn Bunting

Historiography and Reconstruction Academia

Corinne Short

Radical Republicans and the Impeachment of Andrew Johnson

Emma Ayres

Enforcement Acts

Margaret Cahoon

Robert E. Lee: Reconstruction Hero or Villain

William Bunyea

The Evolution of African American Educators during Reconstruction

Blake Brooks

Reconstruction's Last Triumph: The Origins and Demise of the Civil Rights Act of 1875

Benton McFadden

Red Blood and White Hoods: Violence in the Post War South

Eric Whetsell

Nothing But the Dollar: Reconstruction and Free Labor

Poster Session IV- 2:10 – 3:10 p.m.

Blackwell Ballroom

NURS 440 – Managing for Safety and Quality Outcomes

Faculty mentor, Dr. Kim Little

Posters 1-15

Victoria Oakey

The Importance of Sleep while Patients Recover

Laura Nichols

Increasing Hospital Floor Accessibility: Gait Belts and Patient Outcomes

Chelsea Stith

The importance of bedside handoff reports

Gabrielle Drewry

The Interdisciplinary Team in Emergency Department Cardiopulmonary Arrest

Ryleigh Mahanes

Critical first hour: early interventions and effective implementation of care to patients with suspected sepsis

Gabrielle Sehlhorst

In caesarean section mothers, when is the best time to get them up and walking for the first time when comparing how they feel, their recovery time, and how fast they get discharged from the hospital?

Anna Brautigam

Increasing Early Detection of Lung Cancer in Smokers from Rural Communities

Krista Bass

Change Project

Avery Goodlin

How to protect patients with increased intracranial pressure from pressure injuries

Sophia Stemen

Change Project

Abigail Giles

The Importance of Debriefing in Emergency Departments

Teri Miller

Changing the Care, Support, and Education Provided Before, During, and After a Miscarriage or Stillbirth

Alexis Beasley

A Skilled Approach to Managing and Preventing Infection for Patients with Central Lines

Taylor Sheaffer

Change Project: Shortage of Panda Warmers

BIOL 250 – Introduction to Genetics and Cell Biology

Faculty mentors, Dr. Dale Beach and Dr. Cristian Danna

Posters 16-38

Emmie Pisterman, Emma Carwile

Did you soil your seat?

Nathaniel Miller, Mateo Kausek

Analyzing Bacteria Colonies and Trace DNA from a Bench Swing

Adelynn Shepard, Serenity Opie

“Ewwww!! My Shower is Gross!!!!”

Madison Rogers and Sarah Forman

What is Living on your Hands? Bacterium Found on Elevator Buttons

Michelle Mendoza-Lozano, Kaitlin Rumford

Are you sure it's clean enough?

Jenna Hilliard

Bloody Elevator Button?

Taylor Phillips, Paris Harper

From Screen to Petri Dish: The Microbial Ecosystem of iPads

Chloe Whitt and Sunshine Kimball

Are you cleaning with bacteria?

Caroline Williams, Micaela Crayton

What's Riding with You on The Elevator?

Samantha Quinn, Dakota Bell

What type of bacteria can be found on a fire hydrant?

Olivia McLoughlin and Gabriella Giannelli

What Lives Within Your Arena Seat

Brooklyn Powell, Kendra Hogston-Royall

*How *Prestia Megaterium* can be effective*

Kaylie Stewart, Bella Thelen

Bacillus sanguinis Identified from Joan of Arc Statue Using 16s rRNA Sequencing

- Nicole Chenault, Peyton Irby
*Chinese originated bacteria *Dienococcus gobiensis* 1-0 located on Longwood campus elevator button*
- Emily Comer, Emma Elwell
*Unveiling *Terasakiella brassica* on Dormitory Vending Machines*
- Rosalina Amato, and Sarah Kunze
*Identification of *Pseudomonas syringae* Collected from a Golf Cart Steering Wheel Using PCR and DNA Sequencing*
- Breanna Gillespie
**Sphingomonas palme* Identified on Wheeler Halls Front Door Handle*
- Kirsten Putnam, Julianna Mariannino, Abby O'Brien
*Identification of *Paenibacillus cineris* From Greenhouse Samples Using 16S rRNA Sequencing*
- Shelby Reed, Kylie Houseknecht
*Identification of *Rouxiiella chamberiensis* from Storm Drain Samples Using 16S rRNA Sequencing*
- Melissa Howard and Jackson Overton
Exploring Bacterial Populations at Longwood University with 16S rRNA Sequencing
- Daniel Duarte, Alexandra Lowry, Darion Linster
Soil Bacteria found through DNA Sequencing Samples from a Storm Drain

ENSC 402- Environmental Decision Making

Faculty mentor, Dr. Ravi Darwin Sankar

Posters 39-48

- Caroline Avery and Lucy Ellis
Water Quality on the Longwood Campus
- Zoey Graybeal
Outdoor Recreation/Conservation and Marginalized Communities
- Caroline Avery and Lucy Ellis
Water Quality on the campus of Longwood University
- Paityn Barefoot and Alex Ward
Bringing Bee Campus USA to Longwood
- Juliet Aileo, Shae Sloan
Relieving Food Insecurity with a Campus Food Pantry
- Joseph Jackson, Jack Kloeppe, and Colin Malleck
Rainwater Collection for Sustainable Water Usage in the Greenhouse and Beyond

Hannah Newton, Pierson Barnabei

Implementation of Native Flora for the Purposes of Stormwater Management and Admissions Recruitment

Savannah Moody, Grace Smith

Pedal Pass

Pierson Barnabei, Hannah Newton

Implementing native vegetation using food compost

GEOG 465- Advanced Topics in Geographic Information Sciences: Land Use and Environmental Quality

Faculty mentor, Dr. Adam Davis

Posters 49-51

Benjamin Gettier

Economic impact of flood risk in Virginia Beach, VA

Mandy Beville, Drew Adams, Ethan Dobbins, Benjamin Gettier, Nikolas Holt, Casey Mann, Jack Van Straten

Environmental Issues in Virginia

Poster Session V- 3:20 - 4:20 p.m.

Blackwell Ballroom

NURS 440 – Managing for Safety and Quality Outcomes

Faculty mentor, Dr. Kim Little

Posters 1-15

Taylor Moore

Reducing Delayed Diagnosis and Treatment of Posterior Strokes

Mary Tursic

The Impact of Alarm Fatigue on Emergency Department Nurses

Stephanie Simmons

Intensive Care Unit Delirium

Riley Dillon

The Impact of Inadequate Staffing on Patient Safety in Intensive Care Units

Jacob Mays

Change Project

Elizabeth Fugate

Change Project

Melody Crawford

Enhancing Communication in Acute Care: The Impact of Interdisciplinary Rounding on Patient Outcomes and Team Collaboration

Gabriella Zolkowski

Change Project

Sydney Loonam

Change Project

Samantha Proffitt

Change Project

Olivia Wydner

Preventing Pressure Ulcers and Enhancing Mobility: Ensuring Patient Comfort and Nurse Safety in Hospitals

Grace Lewis

Addressing Maternal Sepsis

Abigail Gill

Making the Switch: Moving from Overhead Paging to Alternative Paging Methods

Emma Weber
Change Project

ENSC 201- Integrated Environmental Inquiries

Faculty mentor, Professor Jameson Hinkle

Posters 16-20

Ariana Mercado, Seth Franzysen, Andrew Doughty, Marystuart Slack, Micaela Crayton
Land Use and its Effect on Algae Growth

Alison Sims, Carly Cook, Madison Irving, Sarah Pulice, Dakota Bell, and Jack Van Straten
The Effect of Light Pollution on Insects

Benjamin Gettier, Gabriella Giannelli, Belle Sloan, Lorelei Long
The effect of changing lacustrine morphology due to anthropogenic impacts on sediment composition over time

Evelyn Kreitz, Renee Davis, Byron Kloeppe, Madison Wyand, & Aaron Edley
Analysis of Aquatic Macroinvertebrate Biodiveristy to Determine the Effect of Variations in Surrounding Tree Cover on Various Water Systems within Farmville

Cormier Honors College for Citizen Scholars Posters

Posters 21-51

Abigail Faulkner (Faculty mentor- Dr. Matthew Lucas)
How Physical Education Teachers Can Assist 5th Grade Teachers in Mathematics

Brandon Bateman (Faculty mentor- Dr. David Geraghty)
Phones in Schools, how Students and Counties are Adapting to Executive Order 33

Hannah Gordon (Faculty mentor- Dr. Phillip Cantrell)
The Women of Heian Literature

Logan Ragland (Faculty mentor- Dr. Erin Wallace)
Speech Sound Disorders in ASD

Kaylee Lowe, Stella Graham (Faculty mentor- Professor Kelly Nelson)
Collages as a Means for Change: The Cultural and Scientific Impacts on Collages in the 21st Century

EDUC 245- Human Growth and Development

Faculty mentor, Dr. Aftab Khan

Macey Hutto, Katherine Reddel
Pet Ownership: Impacts on Social, Emotional, and Cognitive Development in Children

Eternity Taylor and Hallie Lescalleet
Impact of gender bias on childhood social and emotional development

Maggie Underwood, Rachel Langenfeld
Impact of screen time on attention span and memory in children

Leah Briggs
Emotional Turmoil

Jacob Brown and Gideon Young
The Impact of Extracurricular Involvement on Social and Emotional Development

CTZN 410- Picturing Contemporary Issues
Faculty mentor, Professor Alex Grabiec

Ella Ackerman, Courtney Agee, Kadyn Bunting, Amelia Carlile, Elena Firestone, Al Foley, Julia Gill, Try Grzelecki, Anna Habib, Diana Harwood, Paige Lampl, Brooke Marshall, Laura Morlang, Gabrielle Mullins, Sabrina Robles
Picturing Contemporary Issues

Diana Harwood
Shifting the Narrative: A Study on Addiction Recovery

CTZN 410- Whose America? Exploring the Development of an American Voice in Popular Music
Faculty mentor, Dr. Kevin Schattenkirk

Mei Lavallee
Asian American Voices in Popular Music

Poster Session VI- 4:30 - 5:30 p.m.

Blackwell Ballroom

NURS 440 – Managing for Safety and Quality Outcomes

Faculty mentor, Dr. Kim Little

Posters 1-15

Emily Harwood

Alarm Fatigue in Nursing

Constanza Mangieri

How Supplemental and Travel Nurses are Treated Effects the Way Patients Receive Care

Abigail Livingstone

What are the effects of charge nurses having patient assignments on team dynamics and leadership in a labor and delivery setting?

Madison Clegg

Behavioral Health Screening in Acute Pediatrics at UVA

Jillian Ratliff

The impacts of high turnover rates on the nursing profession

Makenzie Hayes

Ventilator- Associated Pneumonia

Adam Story

Managing Increasing Quantity of Admitted Patients in the Emergency Department

Grace Dorgan

Enhancing Screening and Expanding Resources for Postpartum Depression

Madeline Mollner

Boarding in the ED: A Crisis for Nurses and Patient Care

Seth Ratliff

Change Project

Kylie Quick

Standardizing Delirium Prevention and Management in Trauma ICU Patients

Tricia Cimbal

Change Project

SPED 389 – Survey of Exceptional Children

Faculty mentor, Dr. Aftab Khan

Posters 16-26

Malia Altrogge, Skylar Beazley, Cheyenne Huff

Art Therapy Effects on Children with Autism Spectrum Disorder

Sarah Johnson, Amber Bennett, Lily Alley

The Effects of Equine Therapy on Managing Learning Problems in Children with Attention-Deficit Hyperactivity Disorder

Madison Satterfield, Sarah Pomfrey

The impact of children with autism spectrum disorder using speech generating devices

Cadence Evans, Reagan Davis

A Helping Paw

Macy Westland, Angel Jacobs

The Importance of Artificial Intelligence when teaching ADHD

Hannah Strickler, Victoria Matheson

The Impact of Floor Time on Children with Autism

Alexis Rosas, Ashlyn Tate, Tameeka Houchens

Educational Benefits of Multisensory Learning for Students with Autism

Madison Penn, Sydnee Johnson, Laurann Morlang

The Effectiveness of POET (Parental Occupational Executive Training) for Children with Attention-Deficit/Hyperactivity Disorder (ADHD)

Hannah McCarthy, Reese Gwin

Investigating Play-Oriented Strategies in the Classroom: Children with ADHD

Ethan Heimbach, Sophia Edwards, and Madison Branch

Rhythms of Focus

HPEP 402 – Research Methods in Health and Physical Activity

Faculty mentor, Dr. Amanda Blaisdell

Posters 27-42

Nicholas Cilla

Psychological and Physical benefits of types of walking for elders

Kinsey Waddell

The relationship between religiosity and mental health

Noah Sadler

Barriers to Healthy Eating for Collegiate Student Athletes

Riley Baker-Schiel

Exploring the Motivators and Extent as to why people turn to Semaglutide for weight loss

Moses Kiprono

How social media shapes adolescent's self-perception and body image

Hayley Meadows

Effects of bullying on disordered eating

Cassie Beck

The Negative Effects of Oral Contraceptives on Women

Emily Sutphin

Shaping Anger: How Childhood Experiences and Gender Norms Influence Women's Anger Expression in Adulthood

Maryanna Guy

Navigating Love: Can College Freshmen get ahead of Relational Dissatisfaction?

Kelsea Miller

How do personal, cultural, and socio-economic factors influence a mother's decision to breastfeed or formula feed her child?

Kylie Crews

How Can Parental Alcohol Abuse Take a Toll on Their Children's Mental Health

Myla Ritenour

Understanding and Enhancing Student Motivation in Physical Education

Ananda Christian

ICU Nurse Burnout and Preventions

Dylan Bowen

Effects of Blue Light on Sleep in College Students

Moses Kiprono

How social media/social media influencers impact young adolescent's self-perception and body image

Cormier Honors College for Citizen Scholars Posters

Posters 42-51

Kaylee Lowe (Faculty mentor- Dr. Virginia Lewis)

Benefits of Coding and Computer Science: How to Integrate Coding Programs into the Classroom

Mei Lavallee (Faculty mentor- Dr. Maria Timmerman)

Greek Geometry and How it Connects to Modern Day SOLs

Sadie Dyke (Faculty mentor- Dr. Larry Collins)

Oceans and Human Health: An Emerging Relationship

Lily Boysworth (Faculty mentor- Dr. Brandon Jackson)

The History of Childbirth

Madison Wester (Faculty mentor- Dr. Alison King)

The Presence of Cultural Bias in Language Assessments

Eli Thornton (Faculty mentor- Dr. Tim Ritzert)

Effectiveness of Music Therapy in Clinical Settings

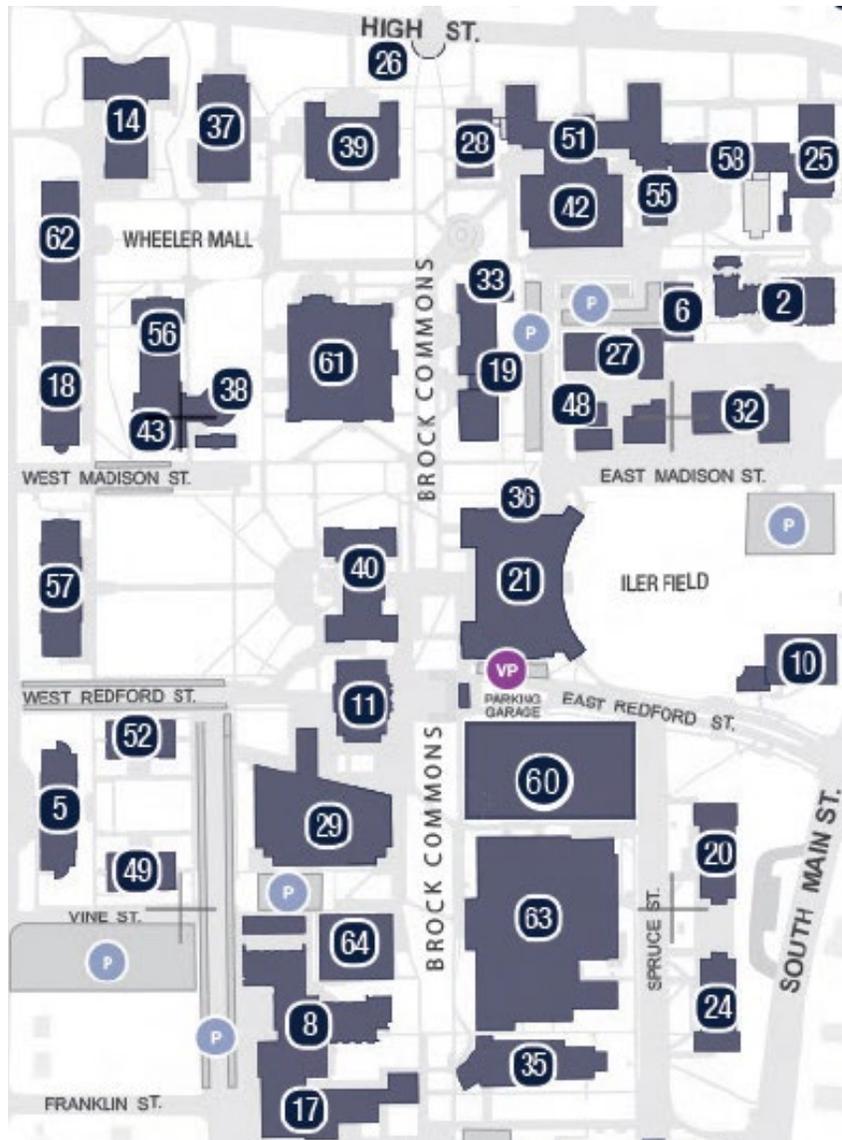
Claire Weiss (Faculty mentor- Dr. Lauren May)

Differentiation With Graphic Organizers

Kaley Tomlin, Morgan Hatfield (Faculty mentor- Dr. Derek Taylor)

Exploring Buddhist Compassion Through Avalokiteshvara

Campus Map



Parking: Park in the Brock Commons Garage (Underneath Building 21)

Registration and presentations: Rotunda (Building 51), Blackwell Ballroom and Maugans (building 42), and Bedford (building 8)

Performances: CSTAC (building 17) and Molnar Recital Hall in Wygal Hall (building 64)

