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Spring 2024 Student Showcase for Research and Inquiry Program

Amorette Barber
Longwood University

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SPRING 2024

STUDENT SHOWCASE FOR

RESEARCH
& CREATIVE
INQUIRY

WEDNESDAY · 17 APRIL 2024 · 8 A.M. — 5:30 P.M.

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Acknowledgements

Student Showcase Organizing Committee

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Mary Tackett
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Lauretta Werner

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

Academic Affairs
Alumni and Career Services
Cormier Honors College
Digital Education Collaborative
Greenwood Library

Overview Schedule

Welcoming Remarks and Keynote Address

Rotunda – Virginia Room

9:00-9:30 A.M.- Welcoming Remarks- Dr. Larissa Smith, Provost and Vice President for Academic Affairs

Keynote Address- Dr. Yaoying Xu, Professor and Program Coordinator for Counseling and Special Education, Director of the International Educational Studies Center at the School of Education, Virginia Commonwealth University

Oral Presentations- Morning Sessions

Rotunda – Virginia Room

9:45-10:45 A.M.- Sociology 320: Sociology of Education; Sociology Independent Research

Rotunda – Room 116

9:45-11:45 A.M.- Cormier Honors College for Citizen Scholars

Rotunda – Room 115

9:45-11:00 A.M.- Interdisciplinary Science: Entering Research II

Rotunda – Room 108

9:45-10:30 A.M.- Spanish 352: Spanish American Civilization and Culture

Rotunda – Prince Edward Room

9:45-12:00 P.M.- Independent Research

Blackwell Ballroom Balcony

9:45-12:00 P.M.- Communications 460: Communication Research

Performances- Morning Sessions

Communication Studies and Theatre Arts Center- Room 101

9:45-10:15 A.M.- Theatre 433: The Creative, Dramatic Classroom

10:30-11:00 A.M.- Liberal Studies 300: Life After Liberal Studies

11:15-11:45 A.M.- Theatre 448: Integrated Arts Theater

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, 9:45 – 10:45 A.M.

Earth Science and Geography, Education, Kinesiology, Nursing, Psychology

Blackwell Ballroom, 10:55 – 11:55 P.M.

History, Independent Research

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

Rotunda – Virginia Room

12:00-12:45 P.M.- Welcoming Remarks- Dr. Roger Byrne, Dean of Cook-Cole College of Arts and Sciences

Presentation of *Incite* Awards- Dr. Hannah Dudley-Shotwell, Honors Faculty, Editor of *Incite*

Oral Presentations- Afternoon Sessions

Rotunda – Virginia Room

1:30-4:30 P.M.- Citizen 410- Citizenship in the Atomic Age

Rotunda – Room 116

1:00-4:30 P.M.- Perspective Research in Science and Mathematics (PRISM) Research

Rotunda – Room 115

1:00-2:00 P.M.- Chemistry 302: Introduction to Chemical Laboratory Problem Solving
2:00-4:00 P.M.- Longwood Senior Thesis Program

Rotunda – Room 108

1:00-2:00 P.M.- Biology 404: Immunology

Rotunda – Prince Edward Room

1:30-4:00 P.M.- Biology 251: Introduction to Ecology and Evolution

Bedford – Room 111

1:00-3:00 P.M.- Art 385: Critical Making Dream Exhibition

Bedford – Room 211

3:00-5:30 P.M.- Graphic and Animation Design 462: Senior Professional Seminar

Blackwell Ballroom Balcony

1:00-3:00 P.M.- Communications 460: Communication Research

Performances- Afternoon Sessions

Molnar Recital Hall

1:15-2:15 P.M.- Music 282: Applied Primary

2:45-3:45 P.M.- Citizen 410- Sound Design

Communication Studies and Theatre Arts Center- Room 101

4:00-4:30 P.M.- Theatre 295: Musical Theatre Performance

4:45-5:15 P.M.- Theater 316: Acting II

Poster Presentations- Afternoon Sessions

Blackwell Ballroom, 1:00 – 2:00 P.M.

English, Nursing, Physics

Blackwell Ballroom, 2:10 – 3:10 P.M.

English, Nursing, Physics

Blackwell Ballroom, 3:20 – 4:20 P.M.

Chemistry, Environmental Science, Health and Physical Education, Nursing, Cormier Honors College for Citizen Scholars

Blackwell Ballroom, 4:30 – 5:30 P.M.

Biology, Environmental Science, Cormier Honors College for Citizen Scholars

Pre-recorded Presentations

Citizen 410- Women as Disruptive Change Agents in Their Community

Career Development Workshops

Rotunda- Room 312

9:45-10:45am- Career Development Workshop- Highlighting Communication and Teamwork Skills

11:00am-12:00pm- Career Development Workshop- Highlighting Communication and Teamwork Skills

Maugans Balcony

10:00am-12:00pm- Professional Headshots

1:00-3:00pm- Professional Headshots

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

Welcome and Keynote Address

9:00 a.m. – 9:30 a.m.
Rotunda- Virginia Room

9:00 am- Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

9:10 am- Keynote Address by Dr. Yaoying Xu, Professor and Program Coordinator for Counseling and Special Education, Director of the International Educational Studies Center at the School of Education, Virginia Commonwealth University



Dr. Yaoying Xu is a Professor in Early Childhood Special Education of the Counseling and Special Education Department at Virginia Commonwealth University (VCU). Dr. Xu is also Director of the International Educational Studies Center (IESC) at VCU School of Education. Dr. Xu's research focuses on social aspects of children with culturally and linguistically diverse backgrounds and how social interaction affects children's academic performance. She attempts to investigate children's social skills as a mediator and home language as a moderator in young dual language learners' language and literacy skills. Dr. Xu's research involves interdisciplinary collaboration in early intervention, special education, and related services. Dr. Xu teaches courses at doctoral, master's, and undergraduate levels including single subject research methods, multicultural perspectives, developmental assessment, and instructional programming.

Dr. Xu has been a principal investigator of numerous federally funded grant projects generating over \$15 million for research, personnel preparation, or program development and evaluation. She has published over 90 peer-reviewed journal articles and book chapters in the fields of special education, general education, counselor education, and multicultural education. She is Associate Editor for the *Journal of Child and Family Studies* and editor for *Early Child Development and Care* in Asia and Pacific areas, in addition to serving on the editorial boards of several other journals in early childhood education, early intervention, and special education.

Dr. Xu is passionate about serving young children from all backgrounds and their families, particularly children who are underserved from low-resourced communities. Additionally, as a scholar with international background, Dr. Xu is especially passionate about studies on the emotional wellbeing of international students who have made significant contributions to the diverse American education. Dr. Xu is devoted to promoting *Education Beyond Borders* for the quality of life of everyone from everywhere through strong mental health.

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

12:00 P.M. – 12:45 P.M.
Rotunda- Virginia Room

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:

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

Light 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

Career Development Workshops and Professional Headshots

9:45 A.M. – 3:00 P.M.

Want to learn how to highlight your Student Showcase presentation on your resume, cover letter, and other professional documents? Attend the Career Development Workshops to learn how to explain your communication and teamwork skills to future employers and graduate schools. The same material will be covered during both sessions so you can select a session that fits your schedule.

9:45-10:45am- Rotunda- Room 312

Career Development Workshop- Highlighting Communication and Teamwork Skills

11:00am-12:00pm- Rotunda- Room 312

Career Development Workshop- Highlighting Communication and Teamwork Skills

During the Student Showcase, students can also have a professional headshot taken to use on LinkedIn and other professional networking sites. Registration and photos will be by the balcony near the rear entrance of Rotunda and Maugans Alumni Center.

10:00am-12:00pm- Professional Headshots

1:00-3:00pm- Professional Headshots

Inclusive Excellence Symposium on Diversity, Equity, Inclusion, and Belonging

9:00 a.m. – 3:10 p.m.

Welcome and Keynote Address

9:00 a.m. – 9:30 a.m.
Rotunda- Virginia Room

9:00 am- Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

9:10 am- Keynote Address by Dr. Yaoying Xu, Professor and Program Coordinator for Counseling and Special Education, Director of the International Educational Studies Center at the School of Education, Virginia Commonwealth University

Independent Research, Oral Presentations

Rotunda- Prince Edward Room
9:45 – 11:30 a.m.

9:45-10:15

Tyler Kurtz, Jocelyn Price, (Faculty mentor, Dr. Kirstin Whitely)

Roll for Charisma in Recreational Therapy Interventions: Where Role-Playing Games and Social Skills Training Meet

** This presentation is pre-recorded and will be played during this time.

11:00-11:30

Anna Barrett, Peyton Sloan, (Faculty mentor, Dr. Kirstin Whitely)

Exploring the Role of Leisure Education in Smoking/Vaping Cessation Programs for Adults with Intellectual Disabilities

** This presentation is pre-recorded and will be played during this time.

Cormier Honors College, Oral Presentations

Rotunda 116
9:45 – 11:45 a.m.

11:05-11:20

Zoë Maxwell, (Faculty mentor, Dr. Jake Milne)

Challenges Faced in the English as a Second Language Program

COMM 460 – Communication Research, Oral Presentations
Blackwell Ballroom Balcony
9:45 – 3:00 p.m.

Live Streaming Senior Research Presentations
As Part of the Student Showcase for Research and Creative Inquiry 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 17th starting at 9:45am. You can watch and comment on the presentations on the department's [YouTube channel](#).

April 17 Presentation Schedule
[YouTube channel](#)

All times are approximate and subject to change.

- 9:50** Hanna Bailey
Interactions between gender identity, music identity, streaming platform, and music genre
- 1:45** Kate Frey and Collin Gilbert
The Effect of Media Representation on Queer Relationships
- 2:30** Iyana Calvin
Social Media and the effects on African Americans
- 2:48** Emily Robertson
"A Shiny Little Gender Breakthrough": The Impacts of TikTok and LGBTQ+ Content Consumption on Gender Identity

Poster Session IV- 2:10 – 3:10 p.m.
Blackwell Ballroom

ENGL 361 – Literature of Diversity

Faculty mentor, Dr. David Magill
Posters 20-42

Ryan Gould
What do you Believe: An Analysis of Min Jin Lee's "Axis of Happiness"

Tristan Marowski
The Effect of Racial Interpretation on Unconscious Bias through Toni Morrison's "Recitatif"

Tim Mercado

Intersection of Transphobia and Racism in "Retrospect" by Vita E.

Gabrielle Quaresma

Premature Growth of Young Women in E Lily Yu's "Ilse, Who Saw Clearly"

Grace Hartung

Loose Women, Frigid Women, Crazy Women: Negative Sexual Stereotyping through Roxane Gay's "Difficult Women"

Ken Cyrus

Louise Erdrich's "Satan: Hijacker of a Planet", A Tale of Generational Violence

Claire Weiss

Not Like That: Girlhood to Womanhood in Ottessa Moshfegh's "A Better Place"

Garrett Ward

girls, apples, and violence

Ada Hardy

An Analysis of Tolerance in "Brownies" by ZZ Packer

Madeline McCann

Manipulated Women in Kathryn Harlan's "Is This You?"

Kassidy Sheppard

Aging Women in Carmen Maria Machado's "The Old Women Who Were Skinned"

Emily Steffenhagen

Fairy Tales and Feminism in E. Lily Yu's "The Witch of Orion Waste and the Boy Knight"

Audrey Olejasz

Female Portrayal of Male Characters in Areej Quraishi's "Like the Chiffon of a Sari"

Kenzie Verlander

"The Little Angel's Exhumation" by Mariana Enriquez representing Argentinian horror

Erin Pechin

The Maternal Struggle of Racial Trauma in Toni Morrison's "Sweetness"

Kayla Kwiatkowski

How Women are Represented in Yoko Ogawa's Revenge: Eleven Dark Tales

Emmalia De Parto

Japanese Gender Norms in The Jealous Type

Kara Burks

Tension, Childhood, and Perfume in "An Evening in Paris:" Exploring Mother-Daughter Relationships in "The Last of the Menu Girls" by Denise Chavez

Rylee Fletcher

Evans and Confederate Bikinis in Boys Go to Jupiter

Ava Dobbs

Water Pollution and Race in Nnedi Okorafor's "Poison Fish"

Jensen Tomalesky

Interracial friendships and protest in ZZ Packer's "Doris is Coming"

William Poch

Language and Wordage in "Broads" by Roxane Gay

Grace Flatley

The Romanticization of Poverty in Mariana Enriquez's "The Dirty Kid"

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ABOUT DIGITAL COMMONS

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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

Pre-recorded Presentations

CTZN 410- Women as Disruptive Change Agents in Their Community
Faculty Mentor- Dr. Dorothy Suskind

These pre-recorded presentations can be viewed using the QR link below.

Ryan Barnebee

Impact of the #MeToo Movement

Bianca Minter

Women's Leadership in the Healthcare Field

Meiry Santos-Ortiz

Maternal and Newborn Health

Jackson Weissenfluh

Women in Sports and Media



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!

Oliver Hale Daniel
Brodie Glanden
Margaret Glenn
Kasey Fetty
Jackson Fickett
Ezri Kahless
Briella Mitchell
Simone Moody
Trinity Moore
Hannah Rice
Aaron Shropshire
Brock Van Winkle
Abigail Woody
Anna Clark
Asya Mccall

Theatre 433 – The Creative, Dramatic Classroom, Live Performances

CSTAC 101

Faculty mentor, Professor Joyce F. Sweet

9:45-10:15

Riley Abell, Morgan Aboul-Hosn, Frank Cardella, Sara Conner, Serena Dean, Hannah Finley, Kyla Gentry, Cierra Jefferes, Aniya Johnson, Devin Joseph, Caroline Luebs, Natalie Masaitis, Emma Shepperson, Genesis Simmons, Makensie Verlander, Dionna Welton-Boxley
Creativity in Teaching

Liberal Studies 300 – Life After Liberal Studies, Live Performances

CSTAC 101

Faculty mentor, Dr. Ronda Scarrow

10:30-11:00

Stacy Appelt, Adrienne Donohue, Caroline Fritz, Matthew Gayhart, Kaitlyn Holt, Morgan Kelley, Lindsey Keup, Karter Kues, Kammilly Morehead, Jankarla Periola, Maddie Nickerson, Reanna Powers, Brooke Snider, Mackenzie Tuck
Taking a step into your future: Job Search Addition

Theatre 448 – Integrated Arts Theatre, Live Performances

CSTAC 101

Faculty mentor, Dr. Ronda Scarrow

11:15-11:45

Emma Mccrickard, Kennedy Lundeen, Abby Marple, Haley Henshaw, Jenna Donnelly, Caroline Layne, David Handley, Danielle Napier, Olivia Haynes, Taylor Casey, Brady Shifflett, AnneMarie Trench, Erica Carpenter, Katelyn Boffi, and Sydney Stokes
The Benefits of Integrating the Arts in the Elementary Education Classroom

Theatre 295 – Musical Theatre Performance, Live Performances **CSTAC 101**

Faculty mentor, Professor Richard Magee

4:00-4:30

Maya Hoffman, Raine Bence, Alyssa Malcolm, Frank Cardella, Cierra Yuille, Natalie Masaitis, Abigail Kesling

Audition Songs and Cuttings for the Professional Musical Theatre

Theatre 316 – Acting II, Live Performances **CSTAC 101**

Faculty mentor, Professor Richard Magee

4:45-5:15

Raine Bence, Maggie Kittrell, Abigail Kesling, Shawn Winder

Scenes and Monologues from Professor Richard Magee's Acting II Course

MUSC 282 – Applied Primary, Music Performances **Molnar Recital Hall**

Faculty mentors, Dr. Laretta Werner and Dr. Mike Waddell

1:15-2:15

Sophie Edwards, Madi Branch, Ethan Heimbach, Allison Ahl, Amani Hinton, Melonee Gray, Ronny Carricato, Nathank Hopkins, Briana Anderson, Jamico Brooks, Tatianna Braxton, Ethan Covington, Gregory Windsor, Bridget Hafdelin, Chris Cottee, Kevin Rivera – Ayala, Jabrond Gamble

Sophomore Promotional

The Longwood University Brass Ensemble led by Dr. Waddell

The Longwood University Clarinet Ensemble

CTZN 410 – Sound Design, Music Performances **Molnar Recital Hall**

Faculty mentor, Dr. Roland Karnatz

2:45-3:45

Bri Anderson, Zoe Barton, Drake Carter, Ashley Cook, Andrew Cox, Addie Hamner, Haley Henshaw, Jackson Holder, Jake Keely, Reanna Powers, Andrew Taylor, Regan Warinner, Ian Wray, Michelle Amaya Alfaro, Amanda Arnone, Rian Beck, Carolyn Blackwell, Christopher Buffkin, Anabelle Diaz, Zoe Dickson, Anna Fox, Duvie Johnally, Elena Lavigne, CeJay Morgan, Brian Searcy, Miranda Upton, Alec Vidanes, Jeffrey Wilson

Sound Design Class Projects

**Sociology 320: Sociology of Education and Sociology Independent Research,
Oral Presentations
Rotunda – Virginia Room
9:45 – 10:45 a.m.**

9:45- 10:05

Courtney Agee, Serenity Allen, Lea Amburgey, Taylor Blount, Morgan Boschen, Katie Conroy, Ada Hardy, Stephanie Jennings, Emma Jones, Harley Kirby, Kaylee Lowe, Kennedy Lundeen, Kassidy Marker, Abby Marple, Laina Pfountz, Sophia Skladzien, Austin Van Antwerp, Kara Wright (Faculty mentor, Dr. Lee Millar Bidwell)

Beyond the classroom: A qualitative study of teacher attrition and retention

10:05-10:25

Carol Dixon, Joshua Doyle, Michaela Mattox, Belle Olson, Callie Rosenberger, Amy Schumaker, (Faculty mentor, Dr. JoEllen Pederson and Dr. Lee Bidwell)

Why students choose sociology: A mixed methods approach to program evaluation

10:25-10:40

Dr. Scott Grether and Annalise Crawford, (Faculty mentor, Dr. Scott Grether)

Figuring Out Finances: Analyzing Men's Perspectives on Household Finances

Cormier Honors College, Oral Presentations

Rotunda 116

9:45 – 11:45 a.m.

9:45-10:15

Nicolas Freeman, (Faculty mentor, Dr. Robert Marmorstein)

Cryptography for Prince Edward Students

10:15-10:35

Edison Moscar, (Faculty mentor, Dr. Rhonda Brock-Servais)

A Comparison of Young Adult Movies

10:35-10:50

Melonee Gray, (Faculty mentor, Dr. Charles Kinzer)

Arnaud Preot: Composer, President, and Teacher

10:50-11:05

Jalil Gaston, (Faculty mentor, Dr. Scott Cook)

The Importance of Political Leadership

11:05-11:20

Zoë Maxwell, (Faculty mentor, Dr. Jake Milne)

Challenges Faced in the English as a Second Language Program

11:20-11:45

Fayth Julius, (Faculty mentor, Dr. Alec Hosterman)

Edge of Perception: Exploring Earth's Form

Interdisciplinary Science 121: Entering Research II, Oral Presentations

Rotunda 115

9:45 – 11:00 a.m.

Faculty mentors, Dr. Alix Fink and Dr. Michelle Parry

9:45-10:00

Makayla Seamster, Mark Betts

The Light Shows of Algae Growth

10:00-10:15

Melissa Howard, Lymaris Mayen

The battle between freshwater algae: Do different species of algae react differently to nitrogen and phosphorus?

10:15-10:30

Shane Dunford, Addison Taylor, Ashley Balducci

Connections to the Bay: Exploring Algae and Water Pollutants in the Lab

10:30-10:45

Reese Vincent, Julio Cortes

Engineering Probes for Salinity Measurement

10:45-11:00

Preston Mitchell and Alyson Cuthbertson

Tiny but mighty: microplastics in local waterways

Spanish 352: Spanish American Civilization and Culture, Oral Presentations

Rotunda 108

9:45 – 10:30 a.m.

Faculty mentor, Dr. Renee Gutierrez

9:45-10:05

Anna Jackson and Emilio Salgado Garcia

El Arte en La Corrupción

10:05-10:25

Júlia Novaes, Paul Espinoza, and Teegan Hall

La Economía Petrolera de Venezuela y El Gobierno de Chávez

Independent Research, Oral Presentations

Rotunda- Prince Edward Room

9:45 – 11:30 a.m.

9:45-10:15

Tyler Kurtz, Jocelyn Price, (Faculty mentor, Dr. Kirstin Whitely)

Roll for Charisma in Recreational Therapy Interventions: Where Role-Playing Games and Social Skills Training Meet

** This presentation is pre-recorded and will be played during this time.

10:15-10:30

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

Inhibition of PAD4 activates p53 pathway to induce apoptosis in ovarian cancer cells

10:30-10:45

Lauren Pallas, (Faculty mentor, Dr. Erin Waggoner)

Gluten Solution

10:45-11:00

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

Evaluation of the impact of Urban Stream Syndrome on macroinvertebrate functional feeding diversity in streams.

11:00-11:30

Anna Barrett, Peyton Sloan, (Faculty mentor, Dr. Kirstin Whitely)

Exploring the Role of Leisure Education in Smoking/Vaping Cessation Programs for Adults with Intellectual Disabilities

** This presentation is pre-recorded and will be played during this time.

COMM 460 – Communication Research, Oral Presentations

Blackwell Ballroom Balcony

9:45 – 3:00 p.m.

Live Streaming Senior Research Presentations

As Part of the Student Showcase for Research and Creative Inquiry 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 17th starting at 9:45am. You can watch and comment on the presentations on the department's [YouTube channel](#).

April 17 Presentation Schedule

[YouTube channel](#)

All times are approximate and subject to change.

9:45 Dr. Stouffer and Dr. Hosterman

Opening Remarks

9:50 Hanna Bailey

Interactions between gender identity, music identity, streaming platform, and music genre

9:59 Emma Brown and Christa Ferrell

Emoji Usage in Digital Text Conversations

10:08 Eliza Barker and Kennedy Giroux

Sleeping Patterns Within College Age Students

10:17 Evan Woodall and George Gaston

The Perceptions of Regional Dialects in Virginia

10:26 Bailey Deaver and Justin Ratanataya

Name, Image, and Likeness (NIL): Influence on University Attendance and Student-Athletes Mental Health

10:35 Anna Cario and Ian Robinson

XXX

10:44 Kya Carter

Social Media's Influence: Analyzing if Social Media Influences the Political Beliefs of Young Adults

10:53 Duvie Johnally and Char Lavigne

XXX

- 11:02** Jordyn Epps
Romance in Movies and The Real World
- 11:11** Jamie Calloway and Sanchez Tucker
XXX
- 11:20** Heather Powers and Emily Ruckart
Fitness Influencers and Purchasing Habits
- 11:29** Jordan Taylor and Olivia Delaney
XXX
- 11:38** Ireland McDermott and Julia Roth
Social Media and Parenting
- 11:47** Sarah Lowry and Whitney Haywood
Music and Emotions
- 11:56** Layton Hollowell
Effect of Advertising and Fandom on Sports Wagering

– Break –

- 1:00** Torey Williams and Ashley Harris
Could Adam and Eve Have Been Friends?: An Investigation Into Cross-Sex Friendships
- 1:09** Carlyn Lee and Nick Moore
Sports and Mood
- 1:18** Savana Mullen
The Boycott Era: Effects of Social Media Activism on Political Consumerism
- 1:27** Brittany Washington
Perception of AI
- 1:36** Nicole Dubec and Kaylee Ramsey
Reality TV's Impact on Dating Behavior and People's Self-Esteem
- 1:45** Kate Frey and Collin Gilbert
The Effect of Media Representation on Queer Relationships
- 1:54** Amber Schmitt and Abigail Cohen
Violent Crime in Mass Media on Personal Perceptions of Violence

- 2:03** Jacob Halloway and Annabelle Jennings
A Study of Self Presentation and Publicity of Media
- 2:12** Maya Anderson and Garyn Krol
How Social Media Influences Working Out
- 2:21** Claudia Wellman
Impact of Parasocial Relationships on Happiness
- 2:30** Iyana Calvin
Social Media and the effects on African Americans
- 2:39** Tommy Portela
Social Media Impact on Attention Span
- 2:48** Emily Robertson
“A Shiny Little Gender Breakthrough”: The Impacts of TikTok and LGBTQ+ Content Consumption on Gender Identity
- 2:57** Dr. Stouffer and Dr. Hosterman
Closing Remarks

ART 385 – Critical Making, Oral Presentations

Bedford 111

1:00 – 3:00 p.m.

Hale Daniel, Kasey Fetty, Shaylise Jones, Kat Leonard, Asya McCall, Nyla McEachin, Nicolle Orellana Guevara, Aaron Shropshire, Ezri Suit, Erika Webne, Hannah Williams, Abby Woody
(Faculty mentor, Prof. Kathleen Kennedy)

Critical Making Research Presentations

Hannah Williams, (Faculty mentor, Prof. Lauren Rice)

Ocean Phenomenon through Art

* This is a collection of artwork which will be displayed in Upchurch Student Center through the end of April 2024.

GAND 462 – Senior Professional Seminar, Oral Presentations

Bedford 211

3:00 – 5:30 p.m.

Faculty mentor, Dr. Donovan Douglas

Rian Beck, Alyssa Campbell, Anabelle Diaz, Andrew Edghill, Montrell Flowers, Mia Gonzalez, Bridget Hafdelin, Elizabeth Shippee, Jeffrey Wilson

GAND Senior Projects

CTZN 410 – Citizenship in the Atomic Age, Oral Presentations

Rotunda – Virginia Room

1:30 – 3:00 p.m.

Faculty mentor, Dr. Greg Mole

Ashely Angelo, Sarah Barner, Bailey Burcume, Makenzee Eversole, Alexei Fisher, Larry Grant, Caitlin Hartley, Faith Kelly, Molly Lawson, Nina Malley, Mason Mitchell, Harold “Trey” Mondrey, Trinity Moon, Eden Roberts, Alexander Thompson, Gracyn Troupe, Caleigh Waddell, Emma Wettstein

3:00 – 4:30 p.m.

Faculty mentor, Dr. Greg Mole

Charity Bailey, Stephen Barrett, Phoebe Bilby, Antonio Carter, Kiara China, Adam Finger, Samuel Gates, Ryan Joye, Sophia Marchetta, Meredith Martin, Taylor McKinney, Haley Merritt, Bailey Oakes, Julia Roth, Dylan Saale, Caroline Smith, Jacob Strader, Tessa Sullivan

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

Rotunda 116

1:00 – 4:30 p.m.

1:00-1:15

Gabrielle Quaresma, (Faculty mentor, Dr. Amanda Starr)

Antibiotic Resistance in Livestock Communities

1:15-1:30

Taylor Pulley, (Faculty mentor, Dr. Amanda Starr)

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

1:30-1:45

Joshua Boyer, (Faculty mentor, Dr. Julian Dymacek)

Using Nonnegative Matrix Factorization to Understand Bird Movement

1:45-2:00

Alec Judd Vidanes, Joseph Baker, (Faculty mentor, Dr. Sanish Rai)

Spatio-temporal information prediction using machine learning in building occupancy

2:00-2:15

Angelina Scotece, (Faculty mentor, Dr. Tyler St Clair)

Exploration into Flavors & Fragrances

2:15-2:30

Quinn Kukk, (Faculty mentor, Dr. Tyler St Clair)

Oral Delivery of Insulin with Hydrogels

2:30-2:45

William Damato, Ashleigh Mann, (Faculty mentor, Dr. Kathy Gee)

Relating Concentrations of L. Pneumophila in Harvested Rainwater to Human Health Risk

2:45-3:00

Ashleigh Mann and William D'Amato, (Faculty mentor, Dr. Dale Beach and Dr. Kathy Gee)

Applying an Ordinal Regression with a Tobit Model on the relationship between weather variables and Legionella concentrations

3:00-3:15

Jade Riddle and Julia Parsons, (Faculty mentor, Dr. Dale Beach)

Rainwater Harvesting System Metagenomics

3:15-3:30

Luke Paris, Kyle Rutherford, (Faculty mentor, Dr. Jeffrey Ledford)

Fourier Fun with Scattered Hyperbolic Splines

3:30-3:45

Serenity Allen, August Raybould, (Faculty mentor, Dr. Kristen Boyle)

Math Teachers' Circles: Professional Development for Mathematics Educators

3:45-4:00

Anna Jackson and Reese Vincent, (Faculty mentor, Dr. Steven Hoehner)

Optimal partial sphere covering

4:00-4:15

Ben Benke, (Faculty mentor, Dr. Benjamin Topham)

Effects of mechanical strain on single molecule junctions

4:15-4:30

Ashley Seiders, (Faculty mentor, Dr. Benjamin Topham)

Chemical control of electronic transmission through single molecule junctions

CHEM 302 – Introduction to Chemical Laboratory Problem Solving, Oral Presentations

Rotunda 115
1:00 – 2:00 p.m.

Faculty mentor, Dr. Melissa Rhoten

1:00-1:15

Antonio Harvey, Saad Khan, Kassidy Owens

Determination of the Vitamin C Content in Various Fruit Juices

1:15-1:30

Saad Khan, Kassidy Owens, Antonio Harvey

Determination of Capsaicin Content in Various Hot Sauces

1:30-1:45

Kassidy Owens, Antonio Harvey, Saad Khan

Nitrate and Nitrite Analysis of Processed Meats

BIOL 404 – Immunology, Oral Presentations

Rotunda 108
1:00 – 2:00 p.m.

Faculty mentor, Dr. Amorette Barber

1:00-1:15

Grace Cohen, Kristen Wilkins

Chronic Gran(dy)ulomatous Disease

1:15-1:30

Julia Boisvert, Jade Riddle

The Mystery of Cara

1:30-1:45

Carolyn Blackwell, Madelyn Gilson

Complement System Immunodeficiency

1:45-2:00

Ebony Arauz Tellez, McKenzie Moore, Nathan O'Dell

The Mystery Immunodeficiency of Yolanda

Longwood Senior Thesis, Oral Presentations

Rotunda 115
2:00 – 4:00 p.m.

2:00-2:15

Kira Edens, (Faculty mentor, Dr. Brandon Jackson)

Biomechanical locomotion and predation escape in cricket species

2:15-2:30

Alayna Palamar, (Faculty mentor, Dr. Adam Franssen)

Multigenerational Consequences of Environment and Loss on Maternal Behavior, Anxiety, Boldness, and Memory in Rats

2:30-2:45

Kristen Wilkins, (Faculty mentor, Dr. Amorette Barber)

Costimulatory domains in chimeric antigen receptor T cells alter serial killing efficacy against pediatric cancers

2:45-3:00

Mackenzie Griffith, (Faculty mentor, Dr. Tim Coffey)

Right, Left, Right: Dance Training Impacts on Single Leg Postural Control

3:00-3:15

Quincey Urban, (Faculty mentor, Dr. Mark Kostro)

Demographics of Enslaved People at Mulberry Hill, Charlotte County, VA

3:15-3:30

Sandy Burrill, (Faculty mentor, Dr. Sarai Blincoe)

The (Dis)Advantages of Device-Free Time: A Mixed Methods Digital Detox Study

3:30-4:00

Char Lavigne, (Faculty mentors, Dr. Mary Carroll-Hackett and Dr. Brandon Haffner)

Sympathy for the Robot

BIOL 251 – Introduction to Ecology and Evolution, Oral Presentations

Rotunda – Prince Edward Room

1:30 – 4:00 p.m.

Faculty mentors, Dr. Mary Lehman and Dr. Mark Fink

1:30-1:45

Rachael Wade, Daniel Hall, Taylor Kneessi, Emma Lewis

Influence of tree species and soil characteristics on moss growth along a slope

1:45-2:00

Taylor Fifer, Logan Miller, Camille Adenauer

Plankton Diversity and Composition across Varying Lake Water Depths

2:00-2:15

Julianna Keller, Peyton Marshall, and Jenna Owen

The Influence of Weather Conditions and Time of Day on Bird Feeding Behaviors

2:15-2:30

Brianna Edgar, Mariana Mendoza, Emma Snead, Paige Springer

Comparison of Microfauna Living in Mosses at Different Positions along a Slope

2:30-2:45

Jada Green, Borhan Errafay, Lymaris Mayen

Phytoplankton bioassay assessment of eco-friendly detergent impacts

2:45-3:00

Pierson Barnabei, Mandy Beville

Using Aquatic Macroinvertebrates as indicators of water quality

3:00-3:15

Melisson Piercy, Emilee Taylor

The Effect of Water Quality on Aquatic Macroinvertebrates

3:15-3:30

Dakota Bell, Jenna Sadlier

Comparison of Avian Foraging Between Habitats and Feeders

3:30-3:45

Alexis Pastore, Xavier Butler, Mary Slack

Investigations in Terrestrial Macroinvertebrates

3:45-4:00

Madeline Fernandez, Samantha Quinn

Fungi Diversity Based on Location and Tree Decay

Poster Session I- 9:45 – 10:45 a.m.

Blackwell Ballroom

EDUC 245 – Human Growth and Development

Faculty mentor, Dr. Aftab Khan

Posters 1-8

Madison Bryant, KinDajah Mitchell

How parental drug abuse affect child development

Sydni Wajciechowski, Lizzie Brent

Effects of ADHD on a Child's Social Skills

Kindajah Mitchell, Madison Bryant

How parental drug abuse effect child development

Jonas Giddis, Jett Williams

C is for child literacy effects of Sesame Street on childhood education

Mayzie Hinds and Ava Worley

Effects on economic issues with child development

Antonio Mizelli, Zainab Shoeb

Examining the Prolonged Impact of Bullying on Social Growth: A Multifaceted Examination of Children's Self-Regard, Social Disengagement, and Relationship Establishment

Yeshan Sun

Examining the Impact of Family Financial Strain on Children's Well-being: A Research Investigation

EASC/GEOG 383 – Introduction to Remote Sensing

Faculty mentor, Dr. Ravi Sankar

Posters 9-17

Mary Spengler

Analyzing Local Riverbank Erosion from Flooding

Caleb Swecker

The use of Remote Sensing to locate Deforestation and Agricultural Cover in Virginia

Colin Malleck

Wildfire Rate in Southwest Virginia in the last 10 years

Lucy Ellis

Analyzing Wetland loss in Virginia over the past 50 years

Mandy Beville

Mapping Urban Heat Islands on Longwood Campus Using Remote Sensing

Jackson Ornoff
Using LiDAR to Simulate Farmville Floods

Pierson Barnabei
Climate Change impacts on Virginia Largest Agriculture Export

Caroline Avery
The Rate of Soil Erosion in Farmville Virginia

KINS 380 – Doping in Sport and Society

Faculty mentors, Dr. Eric Moore and Dr. Jo Morrison
Posters 18-27

Desmond Adeyemi, Kosei Cuyler, Charlie Elwell, Ryan Golladay
The effect of Peptide Hormones on Elite Athletes

Madi Wiley, Sophia Knock, Sophia Passa, Brittian Maham
Do anabolic steroids have health risks?

Emily LaVecchia, Lindsey Baker
Uncovering the Truth: A Case Study on MLB Doping Scandals

Carson Savage, Eric Whetsell
Steroid use in the NFL

Molly Brightwell, Danielle Jimmo
Does the Use of Cannabis Enhance Sports Performance?

Alyssa Chapman, Frances Ulysse
Doping in sport

Molly Ashcraft, Heather Powers, Trey Dillon
Doping in Olympic Cycling

Miranda Upton and Emilia Metzler
Doping in Sports

Maria Papas, Lauren Fulford, Trinity Hazelgrove
The Effect of Growth Hormone on Sports Performance

KINS 470 – Research Methods in Kinesiology

Faculty mentor, Dr. Robert Blaisdell
Poster 28

Emelie Daniels, Meredith Martin
The Influences of Food Aesthetic on Consumers' Perception of Health and Nutrition

NURS 230 – Foundations of Nursing Practice

Faculty mentor, Dr. Elizabeth Parker

Posters 29-47

Takara Kaegi, Jenna Branch, Olivia Holt, Ella Torres

Does the Environment Affect the Overall Health Outcomes of Hospitalized Dementia Patients?

Audrey Swoger, Brooke Lacerte, Ellie White, and Eleanor Byram

How has the recent nursing shortage reflected in patient care, and how can we as nurses change what's happening?

Katie Glover, Annie Devine, Alexandria Engelhart, Zenie Newsom

Advantages of Capnography in Healthcare

Aniston Borden, Hannah Strickler, Mackenzie Sherman, Gabriela Del-Cid-Mias

The use of surveillance cameras in patient rooms prevent falls

Sydney Townsend, Izabela Isenberg, Tia Smith, Lesly Ventura

How does negligent and improper documentation affect patient care outcomes?

Emma Gibbs, Jordan Cooke, Jayden Haley, and Sonya Owen

The effects of Complimentary Alternative Therapies for Dementia Patients

Sydney Keene, Gabrielle Davison, Adrianna Bryant, and Chaeli Quinn

Social Determinants of Health: Impact on Readmission

Laura Bisailon, Madison Fain, Ashley Kalala, Mackenzie Mackey

Misinformation and Interventions to Bridge Deficits in Patient Education

Luke Clemmer, Christina Drinkwater, Katie Johnson, Carson Zabler

The Effect of Alternative Therapies on Patients with Chronic Pain

Anisha Marable, Allie Steimer, Evie West

The Effects of Nursing Fatigue on Patient Care

Faculty mentor, Dr. Pamela Compton-Dooley

Gillian Faris, Xavier Munoz, and Jacob Ritz

How to Improve Mental Health and Burnout in Nurses

Morgan Fitz, Oliver Sciulli, Meghan Sourbeck

The Effects of Workplace Violence in Nurses who work with Dementia Patients

Olivia Oesterheld, Clara Fleshman, Sophia Farascioni

Nurse satisfaction with patients in memory care

Cara Hahn, Macon Bragg, Gracie Madren

Patient vs. Healthcare Worker Violence

Breanna Patterson and Megan Witt

How Does Nursing Shortage Impact Patient Outcome?

Mallory Cochran, Emily Daniel, and Molli White

Managing Patient Violence towards Nurses: Interventions for a Safer Healthcare Environment

Haley Vanover, Chelsea Moorefield, and Kylee Dillane

Benefits of Self-Care within the Nursing Profession

Chandler Tinsley, Gage Powell, Alex Michalek

The Effect of Music Therapy on Dementia Patients / Residents

NURS 360 – Introduction to Research and Evidence Based Practice

Faculty mentor, Dr. Kathryn Miller

Poster 48

Tricia Cimbali, Constanza Mangieri

Do women between the ages of 20-35 years increase the infection and jaundice rates of their newborn by participating in lotus births rather than clamping the umbilical cord 1 minute after delivery of the newborn?

PSYC 461 – Psychology Capstone: Research

Faculty mentor, Dr. Timothy Ritzert

Posters 49-55

Kelly Glass, Chloe Underwood, Kayla Vickers

The Effect of Peers' Drinking and an individual's Level of Confidence on Drinking Habits

Kiara Edwards, Maria Riascos, Jocelyn Watson

Attitudes toward Treatment Seeking

Sandy Burrill, Kendall Magee, and Hannah Newcomb

Tests Make Me Anxious: The Impact of Emotion Regulation Interventions on Test-Induced Anxiety

Cassianna Ashe, Erica Hicks, Tessa Sullivan

The Effects of YikYak on Mental Distress

Kayla Bryan, Kristin Gingell, Madison Lloyd

Effects of Emotion on Encoding of Episodic Memory

Baily Higgins, Erica Lucy, Avery Rowland

Impact of Instruction Detail on Student Self-Efficacy

Poster Session II- 10:55 - 11:55 a.m.
Blackwell Ballroom

Independent Research Posters

Posters 1-24

Patrick Berry, Lane David, Alicia Godwin, Mez Sears (Faculty Mentor- Dr. Brian Bates)
The Wade Site Collection: A Longitudinal Research Project Spanning 24 Years

Bianca Minter, Billy D'Amato (Faculty Mentors- Dr. Dale Beach and Dr. Kathy Gee)
*Probing around with qPCR in detecting *L. Pneumophila**

Amanda Doty (Faculty Mentor- Dr. Amanda Starr)
What's Stressing Out the Frog Fungus?

Taylor Pulley and Taylor McKinney (Faculty Mentor- Dr. Amanda Starr)
Carbon and Nitrogen Impacts on Fungal Growth

Grace Cohen (Faculty Mentor- Dr. Amorette Barber)
Chimeric PD1 Expressing T cells as a Therapy for Squamous Cell Carcinoma and Lewis Lung Carcinoma

Rachel Danzitz (Faculty Mentor- Dr. Brandon Jackson)
*Caudal Fin Size and Swimming Performance in *Betta splendens**

Lilian Jubb (Faculty Mentor- Dr. Brandon Jackson)
*Compensating for effects of autotomy on locomotion in stink bugs (*Halyomorpha halys*)*

Brooke Bonner, Jacqueline Drago, Jocelyn Escobar, Cara O'Beirne, Alayna Palamar, Kiersten Witte (Faculty Mentor- Dr. Adam Franssen)
The Effects of Loss and Enrichment on Memory and Anxiety in Maternal Rats

Emma Thompson (Faculty Mentor- Dr. Bjoern Ludwar)
Unveiling the Mystery: The Trio of Simple Eyes in the Honey Bee's Visual Complex

Lanie Grogg, Anaaya Monroe (Faculty Mentor- Dr. Benjamin Topham)
Molecular rotation to regulate current through single molecule junctions

Lucas Muller (Faculty Mentor- Dr. Kenneth Pestka II)
Analyzing the Collision of a Baseball and Bat using Finite Element Modeling

Emily Farmer, and Alexander Ward (Faculty Mentor- Dr. Ravi Sankar)
The Secrets of the Jeffers Basement

Sarah Lacy (Faculty Mentor- Dr. Ravi Sankar)
What Happens in the Arctic... An Analysis of Coastal Change along Victoria Island, Canada

Hannah Newton (Faculty Mentor- Mr. Jameson Hinkle)

Simulating spatially explicit barrier removal and its demogenetic effect on a threatened char in the context of a reintroduction

Landon Falk (Faculty Mentor- Dr. Larry Collins)

Implementation of Living Shorelines: Identifying Key Barriers

Claire Bain, Kimberly Farrey (Faculty Mentor- Dr. Meg Thompson)

The Impact of Self-Reported Concussion on Mental Health & Well-Being in NCAA Student-athletes

Kimberly Farrey and Claire Bain (Faculty Mentor- Dr. Meg Thompson)

The Impact of Self-reported Concussion on Mental Health & Well-being in NCAA Student-athletes

Justin Elliott, Megan Buffkin, and Grace Chandler (Faculty Mentor- Dr. Karen Feathers)

Job Coaches Track Prompting and Job Settings with Post-Secondary Students with Intellectual Disabilities

Thai Copeland (Faculty Mentor- Dr. Scott Cook)

Does a Longwood student's major influence their views and knowledge on the Israel-Palestine Conflict?

Victoria Moyer, Nina Bagley, Grace McCain (Faculty Mentor- Dr. Stephanie Buchert)

Distractions While Driving: An Eye Tracker Study

Kathryn Holloway (Faculty Mentor- Dr. Eric Hodges)

The Influence of Race on the Vietnam War Draft in Prince Edward County, Virginia

Meredith Foster (Faculty Mentor- Dr. Jake Milne)

Qualitative Analysis of Community Perceptions of Collegiate Hazing

Dominique Williams (Faculty Mentor- Dr. Bruce Speas)

Japanese Noh Theatre; Explanation and Evolution

HIST 414 – Seminar on European History: Renaissance and Reformation

Faculty mentor, Dr. Steven Isaac

Posters 25-33

Korey Brown

Milan's Transition of Power during Quattrocento

Blake Brooks

The Impact of the Protestant Reformation on Henry VIII's Faith

Emma Wettstein

The impact of art and politics in the renaissance: Cosimo de Medici political rise

Thomas Glauda
From Galleys to Galleons

Jenna Lankford
Isotta Nogarola: a Female Renaissance Humanist

Larry Grant
The Changing Nature of Law through Humanism

Caleb Sullivan
How effective was the Council of Trent?

Jordan Tyler
Henry VIII: How the Reformation Changed English Court Life

HIST 420- Daily Life in Central Asia

Faculty Mentor: Dr. Yulia Uryadova

Posters 34-49

Madison Carr
Late Imperial Policies in Central Asia

Maccall Warner
Soviet Education in Central Asia

Hayden Bradbury
Resistance to Russian Imperialism: The Central Asian Revolt of 1916

Savannah Hall
How Traditional Uzbekistan Society was Transformed by Soviet Russian Rule

Tommy Adams
The Impact of the Soviet Irrigation Projects on the Uzbek People

Sam Gates
The Big Game in the development of Central Asia

Isaac Samuels
Assimilation of the Bukharan Jews in the Soviet Union

Luke Fitts
Economic Impacts in Soviet Central Asia

Kadyn Bunting
Ferghana Women through Russian Eyes

Madeline Little

The Hujum Campaign in Uzbekistan and its Consequences

Thomas Long

Islam Against the Soviet Boot: How Islam Survived and Evolved During Soviet Rule

Logan Cuskey

Collectivization and Starvation: The Kazakh Famine

Jacob Strader

Becoming Soviet: Central Asians in World War II

Harrison Ludwig

Kazakh Soldiers Fighting for the Red Army in World War II

Sam Duncan

The Basmcahi Movement

Poster Session III- 1:00 – 2:00 p.m.
Blackwell Ballroom

NURS 440 – Managing for Safety and Quality Outcomes

Faculty mentor, Dr. Kim Little

Posters 1-19

Casey Wilkinson
Change Project

Gabriella Young
Insufficient Staffing of Nurses in the Hospital

Paige Crawford
Maintaining a positive work environment

Eliana Draper
The Impact of Alarm Fatigue on Patient Care

Sarah Mack
The Effect Care for Critical Patient Populations has on Nurses Mental Health

Macie Maxwell
Are transcutaneous bilirubin measurements accurate in newborn babies

Kaleigh Ritz
Targeted Temperature Management after Cardiac Arrest

Faith Thomas
The need for a LUCAS device in the hospital setting for patients in cardiac arrest

Madison Herndon
Physical Therapy Gyms and Offices on Orthopedic Units

Chloe Morris
Changing the way Providers Order Blood Return to Patients

Cassidy Ghiold
The Attitudes between Day and Night Shift Nurses

Anastasia Edwards
Staffing Shortage within Neonatal Intensive Care Units

Olivia Fitzgerald
Medication Management in Healthcare Facilities - Reducing Pharmaceutical Waste in Hospitals

Abigail Martin
Change Project - The lack of breaks for nurses

Rachel Rego
Psychiatric Protocol Consistency among Emergency Departments

Madelyn Pitcher
Change Project Poster

Sylvia Cook
Change Project

PHYS 223 – University Physics Lab II

Faculty mentor, Dr. Kenneth Pestka II

Posters 20-28

Júlia Novaes
Magnetic Field of the Earth Measured by a Compass and a Wire with Current

Sean Oliva
Properties of Standing Waves on a String

Jordan McPherson
Acoustical, Mechanical, and Physical properties of Wood Billets and Wood Identification

Victoria Matheson
Charge to mass Ratio of Electrons using Helmholtz Coils

Anastasia Lajoie
Circuits: Charging and Discharging an RC Circuit to Determine the Relationship Between Resistance and Capacitance with Relation to Time Constants

Shane Dunford
Attempting to Identifying the Type of Wooden Billets Using Acoustics in Solids

Madison Levelle
Properties of standing waves on a string

Ethan Pettyjohn
Using Ohms Law to Determine Resistivity of Wires

ENGL 319 – Technical Writing

Faculty mentor, Dr. Elise Green
Posters 29-46

Asher Beverly, Amanda Deitz

A Technical Writing Experience: Awesome Car LEGO Build

Diana Harwood, Kendall Cooper

LEGO Build #20622: A Technical Communication Experience

Grace Hartung, and Nicholas Hinchey

Designing a Technical Document: ""Fred the Shed"", a LEGO Build

Amelia Adamchak, Tyler Ferguson

Using Technical Communication: Building a LEGO Cactus

Hayden Drinkard, Kunandy Ouattara

A Technical Communication Experience: Building a LEGO Ship

Jensen Tomalesky, Josiah Harrison

Seas the days with a house-boat

Riley Comerford, Dakota Donnigan

Tropical Flower LEGO Build: An Experiment in Technical Writing

Gracie Porter, Jacob Andrews

A Lego Car

William Poch and Logan Gardner

A Lego Creation: Taking out the Trash

Justin Hughes and Antonio Carter

A Technical Communication Experience: Building a LEGO Fish

Julietta Pratt, Janiya Medley

A Walk in the Park

Emma Jones, Er'ron Burton

A Technical Communication Experience: Building a LEGO Rocket

John Spencer and Nathan Stettler

Creating Blocky Ducky: A Technical Communication Experience

Jacob Terry and Aziz Diallo

Applying Technical Writing: Building a LEGO Jellyfish

Madeline Moeller, Kayla Kwiatkowski

A Technical Communication Experience: Building a Lego Bridge

Trevor McGuire, Ryan Gould

Applying Technical Writing to a LEGO Build: The Multicolor Mint

Janelle Dawson, Anna Jackson

Lego Instructional Document

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 1-19

Korey Ellen

Addressing Postpartum Depression

Jared Mitchell

Finding and Implementing Solutions to Reduce Blood Culture Contamination Rates

Lindsey Lipscomb

Change Presentation

Katelyn Grundy

How does nursing led rounding help to improve communication and patient experience/outcomes for critical patients?

Toryn Green

Staffing Issues in Nursing

Erin Salzman

Lack of Break Relief Staff in Acute Care Settings and how it Correlates to Nurse Burnout

Caroline Fairbanks

ICU Delirium Prevention

Ke'asia Nichols

Ketamine: The Effects on the Female Body Post-op

Shanya Boyd

Lack of Providers in the Emergency Room

Lauren Cerretani

Hospital Acquired Pressure Injuries

Abigail Roller

Nursing Practice Change

La'Diamond Jones

Improving Care Quality and Management for Chronic Health Conditions

Asana Nambiema

Reducing falls in acute care settings

Kerry Williams

The Importance of Code Blue Preparedness on Non-ICU Units

Ayanna Ford

Is having appropriately staffed facilities or bonuses and increased pay more effective in keeping nurses from quitting or transferring facilities?

Chanceton Follett

Implementing Resources to Decrease Nursing Burnout and Retention Rates

Kasey Clemons

Reviving Interpersonal Communication in Nursing and the Healthcare Field

ENGL 361 – Literature of Diversity

Faculty mentor, Dr. David Magill

Posters 20-42

Ryan Gould

What do you Believe: An Analysis of Min Jin Lee's "Axis of Happiness"

Tristan Marowski

The Effect of Racial Interpretation on Unconscious Bias through Toni Morrison's "Recitatif"

Tim Mercado

Intersection of Transphobia and Racism in "Retrospect" by Vita E.

Gabrielle Quaresma

Premature Growth of Young Women in E Lily Yu's "Ilse, Who Saw Clearly"

Grace Hartung

Loose Women, Frigid Women, Crazy Women: Negative Sexual Stereotyping through Roxane Gay's "Difficult Women"

Ken Cyrus

Louise Erdrich's "Satan: Hijacker of a Planet", A Tale of Generational Violence

Claire Weiss

Not Like That: Girlhood to Womanhood in Ottessa Moshfegh's "A Better Place"

Garrett Ward

girls, apples, and violence

Ada Hardy

An Analysis of Tolerance in "Brownies" by ZZ Packer

Madeline McCann

Manipulated Women in Kathryn Harlan's "Is This You?"

- Kassidy Sheppard
Aging Women in Carmen Maria Machado's "The Old Women Who Were Skinned"
- Emily Steffenhagen
Fairy Tales and Feminism in E. Lily Yu's "The Witch of Orion Waste and the Boy Knight"
- Audrey Olejasz
Female Portrayal of Male Characters in Areej Quraishi's "Like the Chiffon of a Sari"
- Kenzie Verlander
"The Little Angel's Exhumation" by Mariana Enriquez representing Argentinian horror
- Erin Pechin
The Maternal Struggle of Racial Trauma in Toni Morrison's "Sweetness"
- Kayla Kwiatkowski
How Women are Represented in Yoko Ogawa's Revenge: Eleven Dark Tales
- Emmalia De Parto
Japanese Gender Norms in The Jealous Type
- Kara Burks
Tension, Childhood, and Perfume in "An Evening in Paris:" Exploring Mother-Daughter Relationships in "The Last of the Menu Girls" by Denise Chavez
- Rylee Fletcher
Evans and Confederate Bikinis in Boys Go to Jupiter
- Ava Dobbs
Water Pollution and Race in Nnedi Okorafor's "Poison Fish"
- Jensen Tomalesky
Interracial friendships and protest in ZZ Packer's "Doris is Coming"
- William Poch
Language and Wordage in "Broads" by Roxane Gay
- Grace Flatley
The Romanticization of Poverty in Mariana Enriquez's "The Dirty Kid"

PHYS 470- Advanced Physics Lab II

Faculty mentor, Dr. Kenneth Pestka II

Posters 43-50

Amelia Carlile

Magnetic Physics: Using a Gouy Balance to Determine the Magnetic Susceptibility of Varying Samples

Tydru Light

Exploring the Properties and Magnetic Moment of a Magnetic Dipole Ball

Alec Corwin

Investigating the Properties of Magnetic Torque caused by a Magnetic Field acting on an Imbedded Dipole

Rebecca Taylor

Testing Coulomb's Law using a Coulomb Torsion Balance

Lucas Muller

Testing Coulomb's Law using a Coulomb Balance

Hannah Rogers

Study of Magnetic Moment and Nuclear Magnetic Resonance

Riley McDonald

Determining the Magnetic Susceptibility of Various Substances using a Gouy Balance

Kevin Warunek

Magnetic Physics: Determining Magnetic Susceptibility Using a Gouy Balance

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 1-19

Abby Blevins

Electronic Health Record Downtime Protocols in the Emergency Department

Aislinn Garcia

Defining What Matters Most to the Patient

Brianna Watkins

Change Project

Kathryn Oylear

Nurse to Patient Staffing Ratios

Jordyn Kepler

Staffing Standards on Labor and Delivery

Lauren Lynch

The Future of Nurse-Patient Ratios

Hailey Harris

The Importance of Alcohol Based Hand Rub

Emily Bennett

Impact of Alarm Fatigue on Intensive Care Nurses

Jacob Ryan

The disadvantages of performing capillary blood glucose sampling in patients with shock and vasopressor use

Alexys Rowe

Change Project Presentation

Rebecca Chung

First Time Parent Education

Ashdin Clayton

Change Project Presentation

Kirsten Clark

Change Project Presentation

Molly Godwin

Implementation of Self-Scheduling Software to improve Nurse and Patient Outcomes

Lexi Morris

Mislabeled and Misled: The Many Consequences of Mislabeled Lab Samples

Brentley Bomar

Medication Scanning

Ilaria Russell

Change Presentation

Jacynda Ellison

Optimizing Thermoregulation in Infants: Strategies for Improving Infant Health

CHEM 351- Analytical Chemistry II

Faculty mentor, Dr. Sarah Porter

Poster 20

Antonio Harvey, Saad Khan, Kassidy Owens, Moorea Whitfield, Victoria Walden, and Mack Lenhart

Chemistry meets art: Instrumental analysis at the LCVA

CHEM 403- Advanced Chemical Laboratory Problem Solving II

Faculty mentor, Dr. Benjamin Topham

Posters 21-23

Hannah Knights

Determination of arsenic content in seaweed

John Bohannon

Electrochemical analysis of metals in seaweed

Makayla Kraetsch

Extraction and characterization of sodium alginate from brown seaweed

CHEM 413- Biochemistry II

Faculty mentor, Dr. Jonathan White

Poster 24

Amanda Cedeno

Examining if a jigsaw puzzle serves as an effective study method

ENSC 201- Integrated Environmental Investigations

Faculty mentor, Dr. Dina Leech

Posters 26-31

Sarah Lacy, Ashleigh Mann, Shae Sloan, and Zack Allen

Hampden Sydney vs Longwood: A CO₂ Showdown

Emily Farmer, Alexander Ward, Belle Sloan, Westen Wilbun, and Jaxon Healey

Where are all the dang birds?

Ethan Dobbins, Zoey Graybeal, Colin Malleck, Rebecca Taylor

How is the Phenology of Frogs in Farmville, VA Affected by Climate Change?

Paityn Barefoot, Nicholas Holt, and Zoe Sawyer

The Influence of Climate Change on Tree Leaf-out

Hannah Newton, Ryan Smith, Juliet Aileo, Drew Adams

Dissolved oxygen production by algae given differences in light exposure

Joseph Jackson, Casey Mann, and Brandon Hathaway

Water Quality and Food Availability as an Agent of Sportfish Populations in Briery Creek Reservoir

HPEP 402- Research Methods in Health and Physical Education

Faculty mentor, Dr. Amanda Blaisdell

Posters 32-45

Emily Lawson

How Your Choices Influences You As A Woman

Victor Hugo Gouvea

Breaking Barriers - navigating through the complex field of mental health in athletics

Dana Phillips

How Did COVID-19 Affect New Nurse Preparedness & The Nursing Shortage?

MaKenzie Turner

The importance of nutrition for college female athletes

Jacki Ramey

How does somebody's own perception of their health directly relate to their metabolism?

Laney Pitcock

Drug Addiction Health Outcomes and Chronic Disease Development

Austin Glockner

Psilocybin: Psychedelic Treatment for PTSD

Emma Culver
Socialization Affects Health in Long-Term Care Facility Residents

Caroline Broughton
Sports and Mental Health in Adolescents

Amanda Duffer
Factors that Influence Former High School Athletes' Physical Activity Levels in College

Kaelyn Moore
Interplay Between Substance Abuse Overdose and Recovery in College Students

Olivia Hildreth
Complementary Medicines and Diabetes Improvement

Ellie Walker
Reducing Maternal Mortality Rates: A focus on socioeconomic factors, race and age disparities

Cormier Honors College for Citizen Scholars Posters

Posters 46-56

Kyndal Carson, Makayla Seamster, and Bridget Robinson (Faculty Mentor- Dr. Dale Beach)
Parallel of Video Games and Exobiology

Jenna Owen, Alicia Godwin, Sara Cox
A Game of Life on Other Worlds - Designing a Sci-Fi Video Game (Faculty Mentor- Dr. Dale Beach)

Mira Strong, Jay Geeslin, Sara Baldwin, Anna Magee (Faculty Mentor- Dr. Dale Beach)
A Realistic Application of Theoretical Exobiology in Video Games

Lee Kassay (Faculty Mentor- Dr. John Miller)
Mental Health and Trauma in Flannery O'Connor's The Violent Bear It Away

Mei Lavalley (Faculty Mentor- Dr. Lauren May)
Special Education: Writing and Accommodations

Sara Lisenby (Faculty Mentor- Dr. Kat Alves)
Therapy Dogs

Kiersten Witte (Faculty Mentor- Dr. Meg Thompson)
Effectiveness of Conservative versus Surgical Treatment in Geriatric Individuals with Rotator Cuff Tears: A Critically Appraised Topic (CAT)

Brandon Forst (Faculty Mentor- Dr. Virginia Beard)
The Effects of Wartime Rape

Molly Flynn (Faculty Mentor- Dr. Dawn Schwartz)

Financial Fraud

Ellie Rumbaugh (Faculty Mentor- Dr. Haley Woznyj)

Leadership Development and Organizational Success

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

Blackwell Ballroom

BIOL 250 – Introduction to Genetics and Cell Biology

Faculty mentors, Dr. Amanda Starr and Dr. Dale Beach

Posters 1-26

Malia Werndli and Ava Worley

The Genetics of PTC Bitter Tasting

Logan Miller, Rachael Wade, Camille Adenauer

SNPs of Photic Sneeze Reflex and Curly Hair on Homo sapiens

Isaac Jebson

Analysis of the PTC (Bitter) Tasting SNP

Emma Snead and Mariana Mendoza

SNPs of PTC (Bitter) Tasting

Brianna Edgar and Paige Springer

Test for brown-blue eye single nucleotide polymorphisms

Jocelyn Escobar, Mackenzie Powell

Single Nucleotide Polymorphism of Curly hair in Homo sapiens

Amélie Williams, Emily Serrano-Orellana

SNP influence on genotype of brown and blue eyes

Matthias Borneff and Darion Linster

What SNP Causes Blue and Brown Eyes

Jenna Owen, Addison Taylor

Single Nucleotide Polymorphisms and Phenotype Correlation in Eye Color and Cilantro Aversion

Makayla Seamster and Austin Hallett

The Correlation Between Cilantro Aversion and Genetic Make Up

Mira Strong, Sara Baldwin

Correlation of the Genotypic SNP rs12913832 with Phenotypic Examination Regarding Modern Forensics

Jackson Geeslin, Anna Magee

The Effect of SNP rs12913832 on Eye Color

Kyle Miller, Bre Hoese

Eye color: How big of a difference makes a change

Alyson Cuthbertson

Eye Color: The Genetics That Contribute to Your Eye Color

Taylor Fifer, and Daniel Hall

SNP Impact on Population Dynamics

Sara Cox and Kyndal Carson

Eye Color Detection in Humans

Alicia Godwin and Victoria Jenkins

Cilantro Disgusting Herb or Delicious Food

Ann Marie Mennechey, Allison Solderich

Identifying Eye Color based on SNPs

Aidan McDuffie and Mayzie Hinds

A fight between Eye Color vs. Cilantro

Colten Denson, Bradley Pugh

EYE Will Solve the Case

Emma (Lani) Carwile, Marley Langsam

The Use of SNPs To Identify the Eye Color of the Ancient Unknown

Alison Sims, Karmin Osborne

Can SNPs be used Practically?

Donovan Roberts, Rachel Vo

Identifying eye color variation in OCA2-HERC2 for utilization in facial reconstruction

Lina Mohamedhaj, Madison Koch

SNP and the Mystery of Eye Color. Determining Blue or Brown eyes

ENSC 402 – Environmental Decision Making

Faculty mentor, Dr. Ravi Sankar

Posters 27-33

Jack Van Straten and Joel King

Implementing Electric Vehicle Charging Stations at Longwood

William Royce Coleman

Campus Recycling Engagement

Matt Harvey and Caleb Swecker

Food Sustainability and Security on Longwood Campus

Ella Puckett and Dylan Duke
Using Hydroponics to Achieve Sustainable Development Goals

Mary Spengler, Kailyn Westbrook
Water Quality Assessment at Longwood University

Mandy Beville and Mary Hayes Scott
Sustainable Transportation

Cormier Honors College for Citizen Scholars Posters
Posters 34-57

Julietta Pratt (Faculty Mentor- Dr. Jennifer Miskec)
2013 Printz Award Nominees

Tawna Garriott (Faculty Mentor- Dr. Jennifer Miskec)
Grief, Loss, and Loneliness in the 2018 Printz Award Nominees

Renee Adel (Faculty Mentor- Dr. Sean Ruday)
In Her Grammar Era

Katie Conroy (Faculty Mentor- Dr. Sean Ruday)
In Her Grammar Era

Olivia Price (Faculty Mentor- Dr. Sean Ruday)
In Her Grammar Era

Lee Kassay (Faculty Mentor- Dr. Rhonda Brock-Servais)
Inspiration Across Time: The Artistic Influence of Tennyson's "The Lady of Shalott"

Noelle Ryan (Faculty Mentor- Dr. Thomas Nez)
The Philosophy of the Human and Nonhuman

Er'ron Burton (Faculty Mentor- Dr. Robert Marmorstein)
The Lorenz Cipher

Joseph Baker (Faculty Mentor- Dr. Robert Marmorstein)
Exploring the mystery of Kryptos

Ryan Urban (Faculty Mentor- Dr. Robert Marmorstein)
Post-Quantum Cryptography

Luke Paris (Faculty Mentor- Dr. Robert Marmorstein)
Creative Inquiry into Cryptography

Shae Sloan (Faculty Mentor- Dr. Larry Collins)
Sea Level Rise and Cape Charles, Virginia: A Decision-Making Project

Hanna Bailey (Faculty Mentor- Dr. Ryan Stouffer)

The Interactions Between Gender Identity, Music Identity, Music Platform, and Music Genre

Helena Loucas (Faculty Mentor- Dr. Bjoern Ludwar)

Virginia State Butterfly Preservation

Sydney Jones (Faculty Mentor- Dr. Bjoern Ludwar)

Brine Shrimp: A Closer Look

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)

