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Spring Showcase for Research and Creative Inquiry

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Spring 4-2021

### Virtual Spring Student Showcase for Research & Creative Inquiry (2021)

Office of Student Research  
Longwood University

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**VIRTUAL**  
SPRING STUDENT SHOWCASE FOR  
RESEARCH  
& CREATIVE  
**INQUIRY**

April 14 - 21, 2021

# Spring Showcase for Research and Creative Inquiry 2021

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## Acknowledgements

### Student Showcase Organizing Committee

Amorette Barber, Chair  
Kristen Boyle  
Will Collier  
Cristina Crego  
Mark Hamilton  
Jennifer Hutchinson  
Kat McClesky  
Sarah Porter  
Marsha Rutledge  
Mary Tackett  
Jessi Znosko

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

Academic Affairs  
Cormier Honors College  
Digital Education Collaborative  
Greenwood Library  
College of Graduate and Professional Studies  
University Center and Student Activities

## Virtual Spring Student Showcase on ForagerOne

The Office of Student Research is sponsoring Longwood University's virtual Spring Student Showcase for Research and Creative Inquiry.

<https://symposium.foragerone.com/longwood-university-spring-2021-student-showcase>

The Showcase will be held **Wednesday, April 14 - Wednesday, April 21, 2021.**

During these dates, the symposium website will only be accessible to Longwood affiliated students, faculty, and staff. A LancerNet ID will be required to access the presentations. Beginning on April 22, presentations will be accessible to the general public. You can view the presentations, ask questions, and comment on research and scholarly work from numerous students from all of Longwood's academic colleges.

**Presentations will be open for comments from April 14 – April 21.**

## Live Q&A Schedule Wednesday April 14, 2021

Students from the following disciplines will be signed on to the ForagerOne System during their assigned time and will respond in real-time to comments and questions about their asynchronous presentations. Viewers may also leave comments and questions about the asynchronous presentations outside of the live Question and Answer sessions.

### **10:30 a.m. – 11:30 a.m.**

Citizenship 410 Symposium on the Common Good  
English 400 Active Citizenship and Writing

### **11:30 a.m. - 12:30 p.m.**

Cormier Honors College for Citizen Scholars  
Graphic Design and Animation  
Nursing  
Psychology  
Theatre

### **12:30 p.m. – 1:30 p.m.**

Chemistry  
Environmental Science  
Education and Special Education  
English 165 Writing and Rhetoric

### **1:30 p.m. – 2:30 p.m.**

Biology  
Communication Sciences and Disorders  
Health, Athletic Training, Recreation, Kinesiology  
History

### **2:30 p.m. – 3:30 p.m.**

Criminal Justice  
English 327 American Masculinities: Cinema and Gender

### **3:30 p.m. – 4:30 p.m.**

Independent Research  
Human Behavior and Social Institutions  
Women, Gender, and Sexuality Studies

## Live Presentation Schedule Wednesday April 14, 2021

Join us for live talks and performances on Wednesday, April 14 from 9:45 a.m. to 4:00 p.m. Use the links below to access all live presentations.

**9:45 a.m. – 10:15 a.m.**

Welcome and Keynote Address  
Provost Lara Smith and Mr. Cameron Patterson  
<https://longwood-edu.zoom.us/j/91462119025>

**10:30 a.m. – 11:30 a.m.**

Longwood Senior Thesis Program Presentations  
<https://longwood-edu.zoom.us/j/99763747585>

**11:30 a.m. - 12:30 p.m.**

Environmental Science Presentations  
<https://longwood-edu.zoom.us/j/97956013481>

**12:30 p.m. – 1:30 p.m.**

Cormier Honors College Presentations  
<https://longwood-edu.zoom.us/j/93000023367>

**1:30 p.m. – 2:30 p.m.**

CTZN 410 Symposium on the Common Good  
<https://longwood-edu.zoom.us/j/93000023367>

**1:00 p.m. – 3:00 p.m.**

Livestreamed Musical Performances  
<https://youtu.be/3au7tpwwiTU>

**2:30 p.m. – 4:30 p.m.**

PRISM Student Presentations  
<https://longwood-edu.zoom.us/j/95309261281>

## Welcome and Keynote Address

9:45 a.m. – 10:15 a.m.

<https://longwood-edu.zoom.us/j/91462119025>

**9:45 am-** Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

**9:55 am-** Keynote Address by Cameron Patterson, executive director of the Robert Russa Moton Museum



Cameron Patterson is the executive director of the Robert Russa Moton Museum (Moton), a National Historic Landmark, that preserves and constructively interprets the history of Civil Rights in Education, specifically as it relates to Prince Edward County and the leading role its citizens played in America's transition from segregation towards integration.

Since joining Moton in January of 2017, Cameron has led efforts to grow staffing support, increase Moton's presence across the commonwealth, solidify a thriving partnership with Longwood University, increase programs, and expand resources for young visitors. Professionally Cameron is actively involved as a member of the Virginia Museum Association and the American Association for State & Local History where he takes an active interest in promoting museum advocacy efforts at all levels of government.

Before joining Moton, Cameron worked in numerous roles within Student Affairs at Longwood University. Cameron is actively involved in the local community and across the Commonwealth, supporting several different organizations and initiatives. Most recently, Cameron was appointed by Governor Ralph S. Northam to serve as a member of the Virginia African American Advisory Board. Cameron also serves as a member of the State Board of Directors for the Virginia Center for Inclusive Communities, Vice Chairman for the Farmville Area Chamber of Commerce, Vice Chairman for the Farmville Planning Commission, and Prince Edward Christmas Mother board member.

A Lynchburg, Virginia, native, he graduated from Longwood University with a Bachelor of Science in History, and a Master's in Counselor Education.



## Longwood Senior Thesis Program Presentations

10:30 a.m. – 11:30 a.m.

<https://longwood-edu.zoom.us/j/99763747585>

**Sarah Dooley**, (Faculty mentor, Dr. Dale Beach)

*Brewing Meets Biotechnology: A Survey of Genetic Variation in Flocculation Proteins*

**Kathryn Bates**, (Faculty mentor, Dr. R. Adam Franssen)

*The Effect of Maternal Behavior and Environmental Enrichment on Resiliency, Memory, and Anxiety in Rats*

**Dorian Tignor**, (Faculty mentor, Dr. R. Adam Franssen)

*Effect of Maternal Behavior on Anxiety, Resilience, and Memory in Rats*

## Environmental Science – live presentations

11:30 a.m. – 12:30 p.m.

<https://longwood-edu.zoom.us/j/97956013481>

**Samuel Morgan** (Faculty mentor, Dr. Mary Lehman and Dr. Leslie Straker)

*Combined Effects of Allelochemical and Pesticide Treatment on the Growth of Cucumber Plants*

**Sage Church** (Faculty mentor, Dr. Leslie Straker)

*How weather conditions relate to the abundance of waterfowl in a given area*

## Cormier Honors College – live presentations

12:30 p.m. – 1:30 p.m.

<https://longwood-edu.zoom.us/j/93000023367>

**Sage Church**, (Faculty mentor, Dr. Mark Fink)

*The effects of birding on birds and bird conservation*

**Jake Christ**, (Faculty mentor, Dr. Naomi Johnson )

*Exploring The Understandings of Citizen Leadership At Longwood University*

**Walton Baines**, (Faculty mentor, Dr. Jacob Dolence)

*Connecting college students through technology*

**Madison Pribble, Emily McGuire, Seth Seward**, (Faculty mentor, Dr. Jackie Daniel)

*Got Vaccine? Education Might Change That*

## CTZN 410 Symposium on the Common Good – live presentations

1:30 p.m. – 2:30 p.m.

Faculty Mentor: Dr. Jacob Dolence

<https://longwood-edu.zoom.us/j/93000023367>

### **Andrew Kish**

*Caffeinated Protein Shakes*

### **Dustin Reynolds**

*Restaurant*

### **Rachel Abraham**

*Farmville Cyclebar*

## Livestreamed Musical Performances

<https://youtu.be/3au7tpwwiTU>

1:00 p.m. – 3:00 p.m.

### **MUSC 282 Sophomore Promotional Exam – Dr. Lisa Kinzer**

At the end of the sophomore year, students prepare musical performances and conduct research on several pieces of music. They are required to give a short presentation sharing the research they have learned and then perform each piece.

*Students performing:*

Donovan Burns

Carly Cohen

Tyler Cosley

Jacob Dawson

Annastasia Marle

Johnathan Shackelford

Ian Wray

### **MUSC 219 Recording Techniques – Dr. Roland Karnatz**

Recording Techniques class will present their "sound collage" compositions. The project was designed to introduce them to compositional concepts, recording and manipulating sound.

*Students performing:*

Noah Carter

David Cassidy

Tyler Cosley

Jace Frank

Brian Hobbs

Kevin Jacques

Annastasia Marle

Corey St. John

## Perspectives on Research in Science and Mathematics (PRISM)- live presentations

<https://longwood-edu.zoom.us/j/95309261281>

2:30 p.m. – 4:30 p.m.

**Miguel Diaz-Montealegre, Sam Shackelford**, (Faculty mentor, Dr. Kathy Gee)

*Assessing the Impacts of Climate Change on the Performance of Rainwater Harvesting Systems*

**Isabelle Villarreal, Noel Preece**, (Faculty mentor, Dr. Robert Blaisdell)

*Effects of Different Training Backgrounds on Muscle Fatigue During Repeated Sprint Exercise*

**Adonel A. Grubb**, (Faculty mentor, Dr. Jonathan White)

*Elucidation of the biomolecular target binding of lipid-functionalized Pt drugs*

**Marcia Lanasa**, (Faculty mentor, Dr. Jonathan White)

*Synthesis of lipid-functionalized platinum drugs for cancer-cell targeting*

**Brock Erwin**, (Faculty mentor, Dr. Jeffrey Ledford)

*Excursion in Summation*

**Kira Pierce**, (Faculty mentor, Dr. Jeffrey Ledford)

*Finding an approximated span of polynomials for the “Thin Plate Spline”*

**Jeri Tyler, Jacqueline Amaya-Hernandez**, (Faculty mentor, Dr. Adam Franssen)

*Epigenetically Heritable Effects of Maternal Behavior in Rats*

## Independent Research

**Jacob Davis, Ian Castelow, and Giselle Diehl**, (Faculty mentor, Dr. Binaya Adhikari)  
*Longwood Harvill-Stevens Herbarium*

**Tinsae Alem**, (Faculty mentor, Dr. Benjamin Topham)  
*Cis-trans isomerism in single molecule electronic devices*

**Huma Amin**, (Faculty mentor, Dr. Maureen Walls-McKay)  
*Experiences with the Deceased: Normalizing the Extraordinary in Grief Counseling*

**Dorian Tignor, Cecily Hayek**, (Faculty mentor, Dr. Wade Znosko)  
*Raising Aquatic Vertebrates in Impaired Waters Causes a Mis-expression of Genes Leading to Developmental Malformations*

**Payton Vernier**, (Faculty mentor, Dr. Ronda Scarrow)  
*Child Development Enhanced by Creative Theatre*

**Haley Bresnahan, Arleigh Wood**, (Faculty mentor, Dr. Amorette Barber)  
*Chimeric PD1 Expressing T Cells for as a Therapy for Diffuse Large B Cell Lymphoma, Acute Myeloid Leukemia, and Acute Lymphocytic Leukemia*

**Kathryn Hedrick**, (Faculty mentor, Dr. Brandon Jackson)  
*Programming an Open-Source ADHD Test in Python*

**Ryan Fiorenza**, (Faculty mentor, Dr. Eric Laws)  
*Effects of Reminders on Ability to Recall Facts*

## Cormier Honors College for Citizen Scholars

**Anne Patterson**, (Faculty sponsor, Dr. Eric Hodges)  
*A Closer Look into Afghanistan Reconstruction*

**Kayla Watts and Caitlin Wiley**, (Faculty sponsor, Dr. Dawn Schwartz)  
*Data Breaches: Think You're Protected?*

**Evelyn Weldon**, (Faculty sponsor, Dr. Brooke Mathna)  
*The Effects of the Industrial Revolution on Crime*

**Katelyn Housler**, (Faculty sponsor, Dr. Hannan Sadjady Naeeni)  
*Comparing the Costs of Amazon's Current Delivery Vehicles to Using Electric Delivery Vehicles*

**Julia LeMunyon** (Faculty sponsor, Dr. Hannan Sadjady Naeeni)  
*Supply Chain and Operations Management and the Fast Fashion Industry*

**Cecily Hayek**, (Faculty sponsor, Dr. Brandon Jackson)  
*The Cultural Impact of Deep Sea Diving & the Physiology Behind it*

**Cameron Toddy**, (Faculty sponsor, Dr. Denis Trubitsyn)  
*Effectiveness of Hand Sanitizers in Fighting Bacteria*

**Hannah Elmore**, (Faculty sponsor, Chief Kimberly S. Lettner, Retired)  
*The Change of the Perception of Capital Punishment Over Time*

**Cierra White**, (Faculty sponsor, Dr. Hannah Dudley Shotwell)  
*From the Civil Rights Movement to The Black Lives Matter Movement*

**Isabella Jontz, Angeli Leong**, (Faculty sponsor, Dr. Chris Bjornsen)  
*Social Media, Personality Traits, and Sleep Disturbance*

**Rachel Baber, Rachel Boch, Emma Bryant, Amber Burns, Tamia Daniel, Emilyne Evans, Stormie Foley, Rebekah Godfrey, Brady Hurlich, Abigail Janney, Ethan Lewter, Marjorie Looby, Stella Morris, Grace Smalley- Honors Sociology of Education Class**, (Faculty sponsor, Dr. Lee Millar Bidwell)  
*Public Elementary School Teaching in the COVID-19 Pandemic: A Qualitative Study*

**Arleigh Wood**, (Faculty sponsor, Dr. Sergio Diaz-Luna)  
*Dilution by Disease: Effect of COVID-19 On Survival of Latin American Indigenous Tribes and the Pressure to Save Traditional Medicine*

**Rio Weber**, (Faculty sponsor, Dr. Eric Hodges)  
*Policy Briefing Regarding Russian Information Warfare Active Measures*

**Nicole Barclay, Brianna Cervantes, Jeri Tyler, Stephanie Willis**, (Faculty sponsor, Dr. Amorette Barber)  
*Historical Implications and Immunological Facts About SARS-COV2 and Vaccines*

**Tyler Cosley**, (Faculty sponsor, Dr. Charlie Kinzer)

*Bernhard Heiden's Sonata for Alto Saxophone and Piano, Analytical and Performance Notes*

**Kyla Brown**, (Faculty sponsor, Dr. Jen McConnel)

*Explaining How AAVE Affects the Black Community*

**Leah Merone**, (Faculty mentor, Dr. Brandon Haffner)

*ENGL 476 - Advanced Fiction Writing*

**Hannah Wright**, (Faculty mentor, Dr. Tena Ewing)

*Case Study of a Classic COVID Patient, without the COVID: An examination of physical activity changes and specific health parameters negatively influenced by COVID 19 in a 50-year-old female over a 10-month period*

## CTZN 410 Symposium on the Common Good

**Sam Shirey, Sean Eason, Ali Moore, Mariel Terry,** (Faculty mentor, Dr. Amanda Blaisdell)  
*Providing LU with a Healthier Lifestyle*

**Kynadi Joyce, Angel Rupard, Sally Bell, and Faye Bauer,** (Faculty mentor, Dr. Amanda Blaisdell)  
*Mental Health of Longwood Freshmen*

**Layne Fadely, Lauren Chambers, Dom Lopez, and Kayley Norford,** (Faculty mentor, Dr. Amanda Blaisdell)  
*Financial Burdens*

**Kyanna Bojorquez, Emily Cutcliff, Tabatha Davis, and Kelly Williford,** (Faculty mentor, Dr. Amanda Blaisdell)  
*The Effects of Academic Support on Longwood Students*

**Nicole Barclay, Rose Gerena, Madison Wessells, Alyssa Austin, Jeri Tyler, Julia White, Kiley Clark, Miranda Carter, Griffyn Caires, Faith Harris, and Haley Schultz,** (Faculty mentor, Dr. Adam Blincoe)  
*Feeding Farmville*

**Ashley Koehle, Jessica Marks, Kayla Epperson,** (Faculty mentor, Mary Carroll-Hackett)  
*Self-Defense Class to Protect Against Sexual Assault*

**Kaylee Georgis, Veronica Rosales Pereyra, Keana Jones,** (Faculty mentor, Mary Carroll Hackett)  
*Student Eats: Expanding Longwood's Meal Exchanges*

**Grant Kelly, Connor Rosenberry, Deshane Short,** (Faculty mentor, Mary Carroll-Hackett)  
*Longwood Reads Program*

**Kylee Hines, Cece Corbin, Nick Zebhideh ,** (Faculty mentor, Mary Carroll-Hackett)  
*Traffic Safety Improvements for Pedestrians on Longwood University's Campus*

**Nicole Flynn and Ibrahim Maday,** (Faculty mentor, Mary Carroll-Hackett)  
*Expansion of Automatic Handicap Buttons*

**Dina Ching, Alyssa Griffith, Morgan Torrenti ,** (Faculty mentor, Mary Carroll Hackett)  
*A Multicultural Fair at Longwood*

**Arryn Lynch, Shannon Wilms, Kayla Cunningham, Zach Harnat, Mason Basdikis ,** (Faculty mentor, Dr. Tim Coffey)  
*Everything Coaches Need to Know about Youth Sport Specialization*

**McKenzie Pyles, Drayven Kowalski, Madison Blair, Courtney Dudley,** (Faculty mentor, Dr. Tim Coffey)  
*All Parents Need To Know About Youth Sports Specialization*

**Faith Stanley, Daniel Easter, Nick Howell, Hannah Reamer,** (Faculty mentor, Dr. Tim Coffey )

*What All Administrators Need to Know About Youth Sport Specialization*

**Carson Rubin, Cameron Nelson, Denis Vasquez, Mckenzie Powell, Madison Allen, ,** (Faculty mentor, Dr. Tim Coffey )

*Youth Sports Specialization and How It Affects Youth Athletes*

**Anthony Jackson,** (Faculty mentor, Dr. Jacob Dolence)

*Dream Higher Films*

**Rayshad Lindsay,** (Faculty mentor, Dr. Jacob Dolence)

*Covid-19 Innovative Airplane Design Project*

**Julia Adams,** (Faculty mentor, Dr. Jacob Dolence)

*Enviro Bundle: Teaching Elementary Students about the Environment*

**Yenci Reyes,** (Faculty mentor, Dr. Jacob Dolence)

*My Green Thumb*

**Alexis Nester, Lauren Walker, Walter Clendenon,** (Faculty mentor, Dr. Eric Moore)

*Multi-party System Solution*

**Paige Smith, Jonas Long, Jacob Shope,** (Faculty mentor, Dr. Eric Moore)

*Fixing Gerrymandered Districts*

**Collin Lavery, Andrew Brittingham, Ethan Black,** (Faculty mentor, Dr. Eric Moore)

*Reforming the Electoral College*

**Megan Bonner, Molly Desque, Grayson Edwards, Armel Houndoh, McKenna Martin, Mackenzie Mitchell, Riley Pollman, Brooke Reiger, Ashley Roberts, Sarah Scott, Ann Summers, Elizabeth Wilson,** (Faculty mentor, Adam Paulek)

*From Hand To Table*

**Molly Desque,** (Faculty mentor, Adam Paulek)

*Evolution of Ceramics in the Middle East*

**Alyandra Lee,** (Faculty mentor, Dr. Dorothy Suskind)

*The Ethical Dilemma Between Freedom of Religion and Child Marriage in the United States*

**Emma Hasley, Samantha Sheppard,** (Faculty mentor, Dr. Dorothy Suskind)

*Human Trafficking Concerning Women and Children*

**Megan Shipe, and Elizabeth Putzig,** (Faculty mentor, Dr. Dorothy Suskind)

*How Child Marriage Affects Lifetime Development of Women*

**Ashley Hamm, Grace Canna, Anna Simmons,** (Faculty mentor, Dr. Dorothy Suskind)

*Rape As A Weapon of War*



**Chandler Wright and Avery Caldwell**, (Faculty mentor, Dr. Dorothy Suskind)

*An Insight to Child Marriage*

**Rachel Dalton, Shae Carter, Grace Girdley**, (Faculty mentor, Dr. Dorothy Suskind)

*The Importance and Impact of Emotions: From Being Vulnerable to Being in Rage*

**Aasiya Slaughter**, (Faculty mentor, Dr. Dorothy Suskind)

*Child Marriage In the United States*

**Sophie Kidd**, (Faculty sponsor, Dr. Dorothy Suskind)

*The Effects of Family Planning Services on Poverty*

## Biology

**Faculty Mentor:** Dr. Consuelo Alvarez  
BIOL 250- Introduction to Genetics and Cell Biology

**Michayla Rudd, Zoe Averett**

*Using pGLO Plasmid to Create Glowing Bacteria*

**Skylar Irvin**

*The Utilization of the pGLO Plasmid Within Biotechnological*

**Val Phillips, Dustin Woodall**

*Bacterial Transformation using the pGLO plasmid*

**Michelle Eggleston, Linden Czeizinger**

*GFP Expression and Transformation of E. coli Cells*

**Hannah Spencer, Lilly Rogers**

*Techniques learned by students to determine which agar coated plates will show bacterial growth and glow.*

**Melanie Rowland, Emily Edwards**

*Transformation of E. coli and regulation of GFP in pGLO*

**Maya Smith, Bianca Minter**

*Transformation of HB101 E. coli cells to glow green using GFP*

**Hailee Banks, Kira Edens, Victoria Walden**

*The transformation of E. coli using the pGLO plasmid.*

**Billy D'Amato, Joshua Couch**

*Analysis of the pGLO Plasmid and the Effects of the GFP Gene on HB101 Bacteria*

**David Johnson, Virginia Tam, Tucker Marshall**

*A Comparative Study on the Expression of the Green Fluorescent Protein of Escherichia coli as induced by LU1H5 and pGLO Plasmids*

**Charles Curbeam, Zion Keen**

*How E.coli bacterium are able to become luminescent*

**Tinsae Alem, Mackenzie Woody**

*Comparing Expression of Green Fluorescent Protein (GFP) with Different Plasmids*

**Faculty Mentor:** Dr. Dina Leech  
BIOL 251- Introduction to Ecology and Evolution

**Adam Gyori, Jady Cook, Kailyn Westbrook, Corbin Winborn**

*The Effects of Temperature on the Invasion of Hammerhead Flatworms*

**Michayala Rudd, Henry Nase, Nick O'Keefe, Kylee Wright**

*The Effects of Groundcover on the Invasion of Hammerhead Flatworms*

**Faculty Mentor:** Dr. Ken Fortino  
BIOL 251- Introduction to Ecology and Evolution

**Ross Bechtle, Zion Keen, Abigail Henderson, and Jessica Manuel**

*The Effects of Cultivation on Johnson Grass*

**Mary Elizabeth Crabbs, Tucker Marshall, Morgan McClaskey**

*The effects of disruption of an area on leaf litter diversity*

**James Giering, Bethany Alvarez, Hannah Bailey**

*The Effect of Sediment Concentration on Bodies of Water Transparency*

**Hailee Banks, Alayna Palamar, Linden Czeizinger**

*Transparency of lakes in Farmville, Virginia.*

**Faculty Mentor:** Dr. Amorette Barber  
BIOL 404 - Immunology

**Kyle Hiatt, Brandi Joyner, Shelia Garcia**

*Recurring Bacterial Infection due to Interferon- $\gamma$  Receptor Deficiency*

**Nicole Barclay, Brianna Cervantes, and Stephanie Willis**

*The Characterization and Diagnosis of Bare Lymphocyte Syndrome: A Case Study*

**Kathryn Hedrick, Terika Williams, Mitchell Sharry**

*Chronic Granulomatous Disease Presents Itself as Unknown Immunodeficiency*

**Sarah Dooley, Joy Hernandez, Jeri Tyler, and Ashley Coddington**

*A Clinical Case Study in Immunology: X-linked Hyper IgM Syndrome*

**Faculty Mentor:** Dr. Brandon Jackson  
BIOL 473 – Comparative Biomechanics

**Giselle Diehl, Ally Jo Salomon, Grace Freeman, Ryan Servis**

*Examining the effects of autotomy on the standard double-tripod walking gait of the brown marmorated stink bug (*Halyomorpha halys*)*

**Caleb Edwards, Kyle Hiatt, Brian White**

*Effects of disabling and decoupling legs on gait and locomotion strategies in brown marmorated stink bugs*

**Faculty Mentor:** Dr. Adam Franssen  
BIOL 488 – Senior Capstone in Biology

**Grace Freeman, Marcia Lanasa, Mitchell Sharry**

*Encouraging public outreach and education to drive COVID-19 vaccination in Farmville*

**Christina Amoruso, Ashley Coddington, Emma Rogers**

*Activating the Innate Immune Response as an Additional Treatment Option in COVID-19 Patients*

**Cameron Toddy, Dorian Tignor, Carrie Reaver**

*Necessity of biomarker testing for prevention of COVID-19 infection in endangered Virginian species*

**Sarah Dooley, Haley Bresnahan, Kathryn Bates**

*A Recommendation to the Prince Edward County School Board: Improve Air Quality to Conquer the COVID-19 Pandemic*

**Adonel Grubb, Kathryn Hedrick, Giselle Diehl**

*Human and Feline Fertility in Relation to COVID-19 in Farmville, Virginia.*

**Brandi Joyner, Hunter Gillespie, Terika Williams**

*The Effects of COVID-19 on the Homeless Population in Virginia*

**Ryan Servis, Nicole Barclay, Ally Salomon**

*Inclusion of mental health interventions in emergency preparedness policies, preventing/alleviating pandemic linked depression*

## Chemistry

**Mia Arrieta, Kaleigh Beale, Adonel Grubb, Adam Gyori, Kimia Jahangiri, Keana Jones, Marcia Lanasa, James Rakes, Mack Lenhart, and Emily Grabiec (Faculty mentor: Dr. Sarah Porter)**  
*Chemistry meets Art: Instrumental Analysis at the Longwood Center for the Visual Arts*

**Faculty Mentor:** Dr. Sarah Porter  
CHEM 302 – Introduction to Chemical Laboratory Problem Solving

**Kaleigh Beale and Mia Arrieta**  
*The Analysis of Heavy Metals in Honey using X-ray Fluorescence and Electrochemical Techniques*

**Kimia Jahangiri and Adonel Grubb**  
*The analysis of turmeric adulterants using molecular absorption and fluorescence emission spectroscopy*

**Marcia Lanasa, Keana Jones, and James Rakes**  
*The analysis of olive oils using chromatographic methods*

**Faculty Mentor:** Dr. Sarah Porter  
CHEM 403 – Advanced Chemical Laboratory Problem Solving

**Lauren Johnson**  
*Analysis of Kratom Powders using Chromatographic Methods*

**Meghan Hall**  
*Analysis of Water Quality in Farmville, VA*

**Angela Scarpa**  
*A non-destructive analytical technique used for analyzing glass samples and clay pipes to determine their elemental composition*

## Communication Sciences and Disorders – Graduate Studies

**Rebecca Oylear, Jamie Wagner, Taylor Creasey, (Faculty mentor, Dr. Ann Cralidis)**  
*Verbal Fluency Performance and Online Grocery Shopping in Moderate-to-Severe Traumatic Brain Injury. A Pilot Study*

**Carmen Musso, Laura Panak, and Amatul Fulani, (Faculty mentor, Dr. Rhonda Walker)**  
*PILOT: Effect of Teletherapy on the Treatment of Social Skills in Children with Intellectual Disabilities: Perspectives of Professionals in Speech Language Pathology*

## Communication Studies

COMM 460 Presentations will be livestreamed on **Tuesday, April 27<sup>th</sup> between 10:00am and 4:30pm** using the Communication Studies YouTube channel.

Faculty Mentors: Dr. Kris Paal and Dr. Alec R. Hosterman  
COMM 460 Communication Research

Livestream Link: [www.youtube.com/c/longwooduniversitycommunicationstudies](http://www.youtube.com/c/longwooduniversitycommunicationstudies)

### 10:00 am – 12:00 pm

- 10:00 **Dr. Kris Paal and Dr. Alec R. Hosterman**  
*Welcome and Opening Remarks*
- 10:05 **Seneca Peklo and Sophie Allen**  
*The Effects of Tinder on Building Romantic Relationships*
- 10:14 **Aaron Barksdale and Matthew Ward**  
*Direct Messaging Usage on Instagram*
- 10:23 **Sarah Winkler and Jessi Townsend**  
*Two Separate Perceptions of Yourself: Instagram vs. Real Life*
- 10:32 **Aleigha Thien and Laura King**  
*The Effect of Virtual Formats on Student Mental Health*
- 10:41 **Mitch Muller and Kenny St. Thomas**  
*The Evolution of Smartphones and Their Effect on College Students: Social Interactions and Learning Ability*
- 10:50 **Will Glaveskas and Nick Lione**  
*The Debt Deficit: A Study of the Inherent Value of a Bachelor's Degree in the 21<sup>st</sup> Century*
- 10:59 **Audrey Clingenpeel and Davina Applewhite**  
*The K-Pop Fandom: Connecting Through Trend Participation*
- 11:08 **Makayla Jennings and Megan Strodel**  
*Pretty Privilege and Its Effects on a College Student's Social Media and Interactive Life*
- 11:17 **Grant Forsennius and Caitlin Sullivan**  
*Perceptions of Online Learning Vs. In-Person Learning*
- 11:26 **Laura Barrett and Schuyler Thiele**  
*How Gender Affects Communication in the Classroom*

- 11:35 **Taiya Jarrett and Caroline Schmigel**  
*You've Been Cancelled: Perceptions of Social Media Cancel Culture*
- 11:44 **Andrea Dogbo and Allison Schubring**  
*Doomscrolling: An In-Depth Look into How the COVID-19 Pandemic Has Changed Social Media*
- 11:53 **Hanah Panagos and Christian Wilson**  
*Perceptions of Athlete Activism: A Qualitative Investigation of Public Perception on Athlete's Social Justice Activism*

**1:00 pm – 2:30 pm**

- 1:00 **Victoria Coleman and Brandon Fenters**  
*Women's Perceptions of Safety Against Sexual Offenses on College Campuses*
- 1:09 **Dalton Floyd and Shelby Rogers**  
*Social Media's Role in Spreading Awareness of the Black Lives Movement*
- 1:18 **Haley Byers and Marisa Yeager**  
*The Impact of Online Education on Students' Mental Health*
- 1:27 **Jordan Inniss and Jarred Reason**  
*Political Content Interaction on Social Media*
- 1:36 **Mark Peeters and Claire Baugh**  
*How Significant is TikTok Among College Students?*
- 1:45 **Dina Ching and Samuel Chase**  
*Partial Nudity on Social Media*
- 1:54 **Essie Brandon and Brandon Jones**  
*Swipe Right: How Young Adults are Building Romantic Relationships in a Digital Age*
- 2:03 **Jessica Boggs and Brookelyn Parker**  
*Perceptions of Social Movement Hashtags*
- 2:12 **Trevin Bowles and Josh Carlton**  
*A Poor Man in a Rich Man's World, Where the Economy is Set to Favor the Rich*
- 2:21 **Kent Wells and Jared Wood**  
*Cultural Identity Representation on Modern Television Programming*

**3:00 – 4:30 pm**

- 3:00 **Qwonneshia King and Matthew Sok**  
*Coded Language Associated with the Black Lives Matter Movement*

- 3:09 **Clint Huffman and Lane Williams**  
*Online Learning: A New Norm for the Education World*
- 3:18 **Tyler Hall and Dylan McKercher**  
*Flag on the Play: Viewership Affected by Athletes' Political Views*
- 3:27 **Sarah Allman and Cade Kinzel**  
*When in Doubt, Message it Out*
- 3:36 **Charlsye Tolson and Austin Eshmont**  
*Video Games and the Socialization of College Students' Identities*
- 3:45 **Brandon Bowen and Malik Robinson**  
*College Degrees in Relation of Importance in Various Cultures*
- 3:54 **Anthony Jackson and Corey Hugenberg**  
*Virginia vs. The Film Industry*
- 4:03 **Allison Turner and Kim Heiby**  
*Staying Focused: The Effects of Phone Attachment in College Students*
- 4:12 **Aubrey-Grey Watson and Ellie Stuck**  
*We're Here and We're Queer: A Study of Queer Experiences in Online Video Games*

## **Criminal Justice**

**Faculty Mentor:** Dr. Virginia Beard  
CRIM 461 – Senior Seminar in Criminal Justice

**Veronica Rosales Pereyra**

*An Evaluation of the Bystander Policy on Rates of Sexual Assault and Likelihood of Intervention*

**Liza Elkins**

*Effectiveness of Offender Reentry Programs*

**Mackenzie Roberts**

*Gun Control*

**Sara Beth Stansberry**

*The Effectiveness of Domestic Violence Courts*

**Hannah Elmore**

*Effectiveness of Crisis Intervention Teams; Helping Mental Health Individuals*



**Nathan Owens**

*The Effectiveness of Three Strikes Law as a Crime Deterrent*

**Kaylena Crabtree**

*The Effect of Juvenile Diversion Programs as a Recidivism Rate Control Policy*

**Emily Mothersbaugh**

*The Effectiveness of Portugal's Decriminalization Policy*

**Alexa Schirmacher**

*The Effectiveness of Prevention Programs Within the School System*

**Jonae Dixon**

*The Effectiveness of Mandatory Arrest Laws as a Deterrent Effect*

**Delaney Morris**

*Evaluation on the Gang Resistance Education and Training Program*

**Carmen Mehling**

*The Effectiveness of Victim-Witness Advocate Programs*

**Madison Van Dyke**

*The effectiveness of decriminalization of prostitution on rates of sex trafficking*

**Ashley King**

*The Effectiveness of Hot Spot Policing as a Crime Control Policy*

**Madison Johnson**

*The Effectiveness of Mental Health Courts*

**Juliann Karfgin**

*Babies Behind Bars and Mothers Recidivism Rates*

**Mackenzie Roberts**

*Gun Control and its Effect on Rates of Gun Homicide*

**Kennedy Culbreath**

*The effectiveness of De-escalation training on rates of excessive force*

**Sean Pinney**

*The Effectiveness of Drug Courts towards Recidivism Rates*

## Education and Special Education

**Faculty Mentor:** Dr. Aftab Khan  
EDUC 245 – Human Growth and Development

**Sarah Hamlin, Katy Martin**

*How divorce affects a child's development during and after the divorce process*

**Taylor Fischer, Adam Finger**

*The effects of divorce and custody arrangements on the child's social and emotional development.*

**Karina Naccarato, Audrey MacMeekin**

*Teaching Sex Education in the Schools: Appropriate for Conservative Families?*

**Braxton Gowen, Harrison Ludwig, Jacob Halloway**

*The impact of a child's social and emotional development in a single dad household*

**Grace Chandler, Jankarla Pierola**

*The effects of being homeschooled on social development*

**Caroline Gyory, Makayla Lewis, McKenzie Ross**

*The Effect of Autism Disorder on Siblings*

**Natalia Velez-Camp, Abby Bowden, Alia Brea Dotel**

*Being first generation student and its impact on child development and education*

**Anastasia Appelt, Caleb Mcconnell**

*Growing up with a sibling with autism*

**Lauren Whalen, Kourtney Thompson**

*The psychological effect of being a moving military child.*

**Jordan Rice, Sydney Dorn**

*The Affects on Siblings of Children With Asperger's*

**Kaitlyn Rainey, Michelle Eggleston**

*Affect of parent substance abuse on children*

## English

**Faculty Mentor:** Dr. Elif Guler  
ENGL 165 – Writing and Rhetoric

**Katherine Klingaman**

*"Let them come to Berlin": A Rhetorical Analysis of J.F.K.'s Ich Bin Ein Berliner Speech*

**Louis Iampaglia**

*The Importance of Language for National Consciousness: An Analysis of FDR's Commonwealth Club Address*

**Sarah Roquemore**

*"With unity we can do great things": Rhetorical Analysis of President Biden's Inauguration Speech*

**Alexis O'Connor**

*Rhetoric of Songs: An Analysis "'Freedom'" by Beyonce (featuring Kendrick Lamar)*

**Alyce Laverty**

*How to Inspire a Nation: A Rhetorical Analysis of Franklin D. Roosevelt's Inaugural Speech*

**Kasey Clemons**

*Getting "'we, the people'" to acknowledge a sacrifice for the ages: A Rhetorical Analysis of Abraham Lincoln's Gettysburg Address*

**Chiara Tomassetti**

*"We Chose to go to the Moon": A Rhetorical Analysis of President John F. Kennedy's 1962 Speech*

**Katelyn Laux**

*"A Speech Which Will Live in History": A Rhetorical Analysis of President Roosevelt's Address to the Nation of Pearl Harbor*

**Sjoribel Traverso**

*A Rhetorical Analysis on Angela Merkel's New Year's Address*

**Austin Overstreet**

*"Strange Fruit": A Rhetorical Analysis of Billie Holiday and Abel Meeropol's Song about Lynching in the South*

**Kate Frey**

*A Project to Promote Happiness: Rhetorical Analysis of the Happiness Project's "Happy New You"*

**Jackson Ornoff**

*"A Secret Life in the Forest": A Rhetorical Analysis of Peter Wohlleben's The Hidden Life of Trees*

**Deamoni Denson**

*"4 Your Eyez Only": A Rhetorical Analysis of J. Cole's Song about the Pipeline to Prison*

**Sandy Burrill**

*It May Take More Than Magic to Move an Audience: A Rhetorical Analysis of J.K. Rowling's 2008 Harvard University Graduation Address*

**Caroline Faulkner**

*A Rhetorical Appeals Analysis of "Come From Away": An Original Broadway Musical based on the True Stories of the 9/11 Terrorist Attacks*

**Anastasia Edwards**

*Turning America's History into a Musical: Rhetorical Analysis of Lin-Manuel Miranda's Hamilton"*

**Emily Robertson**

*Make the Presidential Election Great Again: A Rhetorical Analysis of Donald Trump's Speech on 2020 Election Fraud*

**Briahna Stacey**

*A Rhetorical Analysis of How Contemporary Pop Songs Raise Awareness of Mental Health and Addiction Issues*

**Madison Dierdorf**

*The Speech that Justified the American Involvement in World War II*

**Jett Williams**

*Jett Williams Rhetorical Appeals Analysis*

**Bailey Deaver**

*"Break Ups and Romance": A Rhetorical Appeals Analysis of Sam Hunt's album Montevallo (2014)*

**Lucas Muller**

*"You have a dark side that refuses to be taught": A Rhetoric Analysis of Tim Grover's Relentless*

**Jared Mitchell**

*Inside the Minds of Our Forefathers: A Rhetorical Analysis of the "Declaration of Independence"*

**Leah Merone**

*The Rhetorical Man: Rhetorical Strategies in Taylor Swift's 'The Man'*

**Faculty Mentor:** Dr. Sean Barry  
ENGL 372 – American Masculinities: Cinema and Gender

**Sophia Estelle Blount**

*"Casablanca": Hegemonic Masculinity and the Unconventional Heroism in a Mid-Century American Film*

**Laya Young**

*How I should be seen?*

**Connor Barber Dunphy**

*How has the idea of western masculinity changed based on the action movie villains from the 80s until today?*

**Hailey Lux**

*Psychology Of Horror: Science Behind Slasher Films*

**Mia Ragland**

*Tears are Weapons: Toxic Masculinity's Negative Effect on Gendered Mental Health in Horror Films from 1990 to 2021*

**Emmalee Chandler**

*The Final Girl in the Slasher subgenre, the misogyny of horror.*

**Kassie Lee**

*The Comparison of Masculinity between the Subcategories of American Drama "*

**Jacynda Ellison**

*How Films From The Twentieth Century Slasher Sub-Genre Oppress and Sexualize Women*

**Danielle Parton**

*How has masculinity been defined differently since 1937? Using Snow White to analyze and compare masculinity in modern films.*

**Nathan Brubaker**

*Why the Masculine Hero Trope in science fiction and fantasy of the 1970-80's is sexist*

**Dylan Scordellis**

*Focusing on the Hegemony, Subordination, and Complicity in Masculinity in the Comedy Film, Spaceballs*

**Ava Siggia**

*The Effect of Economic Class on Masculinity Portrayed in the Genre of Romance Movies in the years from 1930-1970's*

**Mallory Spady**

*"Forrest Gump" and Raewyn Connell's Theory of Marginalization in the Late 20th Century*

**Lauren Beck**

*Coming to America Hegemonic Masculinity: Eddie Murphy in the 1980s to now*

**Shayla Wheeler**

*Masculinity in the Different Gender Roles in Drama Film in the Early 2000s*

**Jordan Alexander Buchanan**

*From Tarzan to John Wick: The Evolution of Masculinity in Society*

**Charles Clemente**

*How Taylor in Planet of the apes proves the apes right about humanity with his actions*

**Hailey Irvine**

*A "Multiple Masculinities" Approach to Romantic Comedy: 1990s-2000s*

**Amber Bruce**

*The stereotypes society has given masculinity. Thank you James Bond.*

**Nick Carlo**

*How the Marvel Avengers films use Robert Downey Jr. to portray social hegemony through their mise-en-scene.*

**Soliah Stromberg- Brusco**

*Masculinity in the Science Fiction genre : a look at how Metropolis and V for Vendetta representation of men through the lens of Connell's theory of masculinity.*

**Kennedy Giroux**

*How the Stereotypical "Jock" Demonstrates the Different Elements of Masculinity in Modern Day Films*

**Isabella Hatch**

*Muscles, manliness, masculinities, and the clichés: The misconceptions found within 20th century action films*

**Taylor Long**

*Fantasy movies are heavily influenced by Hegemony, whether it's faulting it or romantizing it.*

**Gloria Kim**

*Masculinity and Gender in Asian-American Drama films post 2015*

**Abigail Cohen**

*The representation of masculinity in Some Like it Hot*

**Meagan Munley**

*The Final Girl, "Female Masculinity," and the Negotiation of Gender in "Psycho" and "Friday the 13th"*

**Kevin Mercer**

*How drama films showcase the racial and socio economic factors of marginalized masculinity*

**Gretchen Wiggins**

*How Kasson's theory of the Perfect Man is embodied in Fight Club*

**Kendal Clapham**

*Masculinity in the 'Meet the Parents' Series and How Monogamy Is A Potential Struggle for the Male Lead*

**Gracyn Rawls**

*An Examination of Connell's Theory as Applied to Queer Masculinity in the 'Villain' Archetype*

**Kaylen Karnes**

*Rule #1: Don't Talk About Fight Club or Toxic Masculinity*

**Hannah Viola**

*Action films and the gender stereotypes of masculinity: 2010-2019*

**Madeline Simmons**

*Spotting Hegemonic Masculinity in 1980's Comedy Movies*

**Jonathan Holmes**

*Evolution of Man: Examining The Changes in The Expectations of Men Through Period Pieces*

**John Ross Parrish**

*The effect of Suppressed male emotions and Hegemony exploited by male characters in Action Drama Films have on societal views of Masculinity*

**Sierra Walz**

*Space men: Hegemonic Masculinity and Subordination and its Negative Affects in Society in Flash Gordon.*

**Peyton Mulligan**

*The Perceptions of Masculinity in Sci-Fi Films from the 80s and 90s*

**Mark Smith**

*The History of the Dominant Woman in Slasher Film (1976-2018)*

**Karis Fields**

*Scott Pilgrim vs Himself: How Scott Pilgrim is the True Villain of Scott Pilgrim vs the World Based on Occurrences of Hegemonic and Toxic Masculinity*

**Cassidy Ghiold**

*The Different Characteristics between a Male Psychopath and a Male Sociopath and how it's Depicted in Modern Film's*

**Rachel Boch**

*What a Drag: How Cross-Dressing in 20th Century Comedy Films Reinforces Ideas of Hegemonic Masculinity*

**Grace Walton**

*Comedy is Up In Smoke: How the Stoner Comedy Promotes Hegemonic Masculinity with Marijuana Use and the Objectification of Women*

**Kristen Tillman**

*The Virgin Loser: Heteronormativity in American Coming of Age Film Comedies from Fast Times at Ridgmont High to American Pie*

**Eric Schesventer**

*Through the Lenses of a Wimp: Glasses and Marginalized Masculinities in American Film Comedy from Woody Allen to Napoleon Dynamite*

**Taniya M Wyche**

*An Analysis of Masculinity: Into the Various Character tropes within the Science Fiction and Fantasy genre.*

**Bentley Ayers Strickland**

*An Examination of Fictional Male Characters' and their examples of Masculinity in Film and Television*

**Octavio Rosas Dominguez**

*Protagonists and Antagonists display of masculinity in Horror films in the late 20th century and 21st century*

**Faculty Mentor:** Mr. Scott McDarmont  
ENGL 400 – Active Citizenship and Writing

**Max Argueta**

*Immigration and its Benefit*

**Michael Eason**

*Business Addressing Societal Problems*

**Cullen True**

*The Issue of Confederate Monuments*

**Jenna Cedor**

*Are Schools Providing Healthy Lunches?*

**Layton Bigelow**

*Affects of Appeal in Business*



**Brittany Watkins**

**Israel Lockhart**

*The Prosecution Vs. The people*

**Noah Heptinstall**

*Police as first responders to the mentally ill*

**Alan Hill**

*Trans Participation in Sports*

**Erica Johnson**

*Keeping Creativity in the Classroom*

**Miranda Carter**

*Damsel in Distress: Are Disney princesses good role models for young girls?*

**Casper Sturm**

*Dissociated Identity Disorder and Inaccurate Representation*

**Dave Haig**

*A tale from the fridge - Stories vs. Statistics*

**Bishop Vallette**

*The Toxicity of Cancel Culture*

**Anthony Goins**

*Should we have standardized testing*

**Sarah Degen**

*Funding Planned Parenthood*

**Jennifer Roegner**

*Importance of Art in Education*

**Angel Rowlett**

*Social Isolation and Mental Shackles*

**Sidney McLamb**

*Gender Inequality*

**Kellie Lofquist**

*American Sign Language in American Society*

**Elvira Nunez**

*Education in America: The ramifications of America's institutional reforms on student success and its sociocultural impact*

**Matthew Howard**

*Artists as Science Communicators*

**Val Phillips**

*Ecological Literacy*

**Samantha Morris**

*Is Mixed Race Adoption Detrimental to a Child's Development?*

**Antonio Robertson**

*Talk About Vaccinations Analysis*

**Ieuan Phillips**

*Taking a Knee?*

**Charles Ponsart**

*Research Project*

**Michael Eanes**

*The Benefits of Music Education in Schools*

**Hunter Vest**

*The Civic Duty of Graphic design*

**William Royster**

*Misperceptions of The Political Parties*

**Lauren Leithiser**

*Disabilities and Inclusion*

**Harry Caldwell**

*The Misunderstandings of Relic Hunting*

**Olivia Johnson**

*Misconceptions of Abortion*

**Madison Evans**

*White Identity Politics*

**Taylor Ford**

*Fully Understand Planned Parenthood*

**Frank Knott IV**

*Contemporary Perceptions of Satanism in Modern Metal*

## Environmental Science

**Faculty Mentor:** Dr. Kathy Gee  
ENSC 201 – Integrated Environmental Investigations

**Mary Elizabeth Crabbs, James Giering**

*Microplastics in Pond Waters*

**Callie Cutrell, Miguel Diaz Montealegre, Christian Michael**

*The Abundance of Soil Microbes in Relationship to Proximity to the Urban Area*

**Mary Hays Scott, Danielle Clarke-Bradley, Paul Caspar**

*The Effect Of Urbanization on The Water Quality of Gross Creek*

**Alyssa Oppedisano, Val Phillips, Phil Anderson**

*Do weather and water conditions affect the biodiversity and abundance of benthic macroinvertebrates in Buffalo Creek?*

**Rian Blakesley, Joseph Kohler, Jason Seagraves, and Randolph Zerick**

*Effect of Lancer Park Detention Pond on Stormwater Sediment Concentrations*

**Matthew Cecka, Morgan McClaskey**

*Using Pitfall Traps for Species Identification and Enumeration*

**Faculty Mentor:** Dr. Leslie Straker  
ENSC 402 – Environmental Decision Making

**Charlotte Pfamatter**

*Raising the Roof: Characterizing Mosquito Presence in Rainwater Harvesting Systems With and Without Roofs*

**Kirsten Bauer**

*Investigating Climatic Influence on Virginia Lakes: Potential Impacts on Fisheries*

## Graphic Design and Animation

**Faculty Mentor:** Keith Cummings  
GAND 462 – Senior Professional Seminar

**Carolyn Durloo**

*Cryptids Around the World*

**Sophia Tamilio**

*Stylized Minds*

**Andrew Harnois**

*UNSTBL - Balancing the Table on Food Insecurity*

**Madeline Heimburg**

*Alternative Lawns: A Senior Design Project*

**Hunter Vest**

*Pathfinder the housing app for people with disabilities.*

**Chablise Hammie**

*Homebound The Game*

**Lauren Ratanataya**

*Safe 2 Speak*

**Angeli Leong**

*It Will Compute*

**Victoria Coleman**

*Outdoor Awareness*

**Micaela Shrauder**

*ECONOW*

## Health, Athletic Training, Recreation, and Kinesiology

**Faculty Mentor:** Dr. Amanda Blaisdell  
HLTH 325 – Human Diseases

**Rachel Rego**

*Explaining Alzheimer's Disease*

**Jennifer Rubio**

*Individual case analysis of a breast cancer patient*

**Angela Scarpa**

*An Interactive Research Project on the possible outcomes involving Colorectal Cancer in Real-life Scenarios*

**Alexander Dembek**

*Cancer: Brain*

**Faith Thomas**

*Todays Choices Effect Tomorrows Life*

**Samantha Mullally**

*Stroke Interactive Adventure Assignment*

**April Rojas**

*The Effects of Lung Cancer*

**Andrew Snead**

*High Blood Pressure and What it can do to you.*

**Faye Bauer**

*Decisions for a Heart Attack*

**Jason Kofi Edmunds**

*Eternal Impact of Liver disease*

**Kenneth Jackson**

*AIDS Interactive Story*

**Kate Murphy**

*Can You Prevent Skin Cancer?*

**Jessica Honeycutt Firme**

*Living with CKD?*

**Faculty Mentor:** Dr. Amanda Blaisdell  
HPEP 402 – Research Methods in Health and Physical Activity

**Caitlin Alverio**

*Transgressors in the Military- Breaking Down Barriers*

**Julian Davis**

*Exploring Generation Z's Perspective on the Military*

**Brianna Huff**

*Investigating marijuana and mental health*

**Aleah Goodson**

*Exploring TikTok use and Anxiety Levels in Elementary Aged Children*

**Kaitlyn Huff**

*Why is Being Transgender So Exhausting?*

**Jessica Honeycutt Firme**

*High Hopes: Physical Education for At-risk Preschoolers in Colorado*

**Kayla Mosebrook**

*Effects of Marijuana*

**Faculty Mentor:** Dr. Dan Michael  
HPEP 504 – Principles of Coaching

**Catherine Prahm Early**

*Building a Wolf*

## History

**Faculty Mentor:** Dr. David Coles  
HIST 415 – Seminar in European History World War I

**Paige Smith**

*How Women Changed During and After World War I*

**Haley Smith**

*The Imperial Japanese Navy: A New Identity and Military Power into the 20th Century*

## Human Behavior and Social Institutions

**Faculty Mentor:** Dr. Jacob Dolence  
HBSI 395 – Entrepreneurship, Creativity, and Innovative Citizenship

**Nathaniel Wong**

*Union Games Pitch*

**Anne Patterson**

*Voting Timeline Accesibility*

**Andrew Harnois**

*Anonymous Food Insecurity Assistance Program*

**Rachel Cannon**

*BeFriend*

**Jackson Lockhart**

*The Outdoor Connection*

**Jake Jansen**

*Finance-me*

**Lindsey Gordon**

*Breaking the Math Stigma*

**Abbey Mays and Heather Waldo**

*Empowering Diversity in Women*

**Kyla Brown**

*Creating a New Norm*

**Heather Waldo and Abbey Mays**

*Empowering Diversity in Women*

## Nursing

**Landen Horton** (Faculty Mentor: Dr. Kim Little)

*NURS 440- Managing for Safety and Quality Outcomes*

**Faculty Mentor:** Dr. Pamela Crowder  
NURS 230 – Foundations of Nursing Practice

**Trevor Sehlhorst, Isabel Rosche, Madyson Hunley, Anna Mack**

*Affects of Mandatory Overtime on Nurses*

**Abigayle Cunningham, Ashdin Clayton, Emma Sweeney**

*All about HPV*

**Bridget Canderelli, Annie Elliott, Miranda Mozingo, Elizabeth Powers**

*Racial Disparities in Health Care*

**Rebecca Arrington, Haley Bendall**

*Nursing Considerations for Individuals in the LGBTQIA+ Community*

**Claire Briggs, Leah Eick, Tori Heller, Emily McGuire**

*Nurse Burnout: More Prevalent Than Ever*

**Stephanie Bunce, Lauren Mohrhusen, Melissa Schlosser, and Gabby Young**

*The Effect of Forgoing the Second COVID-19 Vaccine*

**Trevor Leonard, Brooke Buchanan, Anna Schmied, Seth Seward**

*Absence of Z-Track Method in IM Injections*

**Jessica Faulk, Sara Stevens**

*How do nurse staff ratios affect patient care*

**Grace Puleo, Skylar Walker, Madison Pribble, Alyssa Austin**

*Patients Perceptions of Care*

**Angelika Gomez, Kerry Williams, Isabella Kohama-Flores, Anaya Jennings**

*Health Disparities in Low Income Areas*



**Faculty Mentor:** Dr. Krystal Forlines  
NURS 230 – Foundations of Nursing Practice

**Becca Keough, Mickey Corker, Genna Dumville**  
*The Correlation Between Intravenous Catheter Size and Pain*

**Korey Ellen, Ashley Ford, Ashlyn Seymour, Kayla Knotts**  
*The Effect of Culturally Congruent Care in the Perioperative Setting*

**Caroline Trueman, Kathryn Kelly, Taylor Garrett**  
*Catheter Associated UTI Prevention*

**Georgia Gagliardi, Caitlin Szalay, Kayla Oberfeld**  
*Documentation Errors: Not Acceptable in the Healthcare Setting*

**Kaylee Eckert, Hailey Marin, and Alyssa Gibson**  
*How does high nurse to patient ratios impact the overall quality of care for patients and quality of life for healthcare professionals?*

**Chloe Amos, Katie Cole, Decker McKean**  
*The Effects of COVID-19 on Stress and Coping*

**Faculty Mentor:** Dr. Jennifer Hutchinson  
NURS 360- Introduction to Research and Evidence Based Practice

**Alyssa Austin, James McDonnell**  
*How efficient are reused masks during COVID-19*

**Ashley Bungcayao**  
*The Effect of Tattoos on the Nursing Profession*

**Caroline Nham and Estela Hurd**  
*Prone Versus Supine in Mechanically Ventilated Patients*

**Rebecca Long, Kelsey Swegle, and Elisabeth Voss**  
*In patients on mechanical ventilation, does frequent oral hygiene care prevent ventilator-associated pneumonia (VAP)?*

## Psychology

**Faculty Mentor:** Dr. Stephanie Buchert  
PSYC 461- Senior Seminar

**Ariana Olds, Jonathon Shauberger**  
*Personality and Beliefs*

**Sadie Jones, Brittany Tolbert**  
*The Effect of Personality Traits on Panic Buying Behavior*

**Samantha Buczek, Jade O'Connor, Olivia Yslas**  
*The Big Five Personality Traits and Peer Pressure During the COVID-19 Pandemic*

**Amanda Palmer, Tyler Duffer, Shannon Wilms**  
*The Connection between Political Affiliation and Conspiracy Theories*

**Chelsea Adams, Casper Sturm**  
*The Effect of the COVID-19 Pandemic on Disordered Eating Behaviors*

**Mallory Talbert, Sydney Sommer, Samantha Mullally**  
*The Correlation Between Personality and Depression during the Covid-19 Pandemic*

**Faculty Mentor:** Dr. Timothy Ritzert  
PSYC 461- Senior Seminar

**Rebekah Morris, Riahna Timbers**  
*Individualism During COVID-19 and its Effects on Compassion*

**Ryan Fiorenza, Olivia Urena**  
*Can Conscientiousness Be Used As A Predictor For College Students Use Of Facial Coverings After Receiving The COVID-19 Vaccine?*

**Tabatha Davis, Lena Jordan, and Kayla Pittman**  
*Conspiracy Theories & The Mindset: Personality of Conspiratorial Beliefs*

**Sean Murphy, Patrick Muse, Ivy Stevens**  
*Correlations Between Interpersonal Trust and Agreeableness With Conspiracy Theory Belief*

**Lauren Baird, Morgan Lovgren, Madaline Johnston**  
*Beliefs in Internet Use*

**Deyonce Brown, Hayley Kassraie, Evelyn Weldon**  
*The Influence of Media Sources and Political Affiliation on COVID-19 Information Believability*

## Theater

**Faculty Mentor:** Dr. Ronda Scarrow  
THEA 433 – Creative Dramatics for the Classroom

**Riley Hayden, Midge Costello, Johni Mitchell, Jessalynne Hull, Ashley Vago, Victoria Noe, Hannah Jennings**

*Unified In Misery, Hope on the Horizon*

## Women, Gender, and Sexuality Studies

**Faculty Mentor:** Dr. David Magill  
WGST 115 – Gender, Culture, and Representation

**Alexa Fojtik**

*The Exploration of Forbidden Queer Love in King Princess' 1950*

**LeAnn Jones**

*The Adventure of Exploring Sexuality in "Call Me By Your Name"*

**Sydney Walsh**

*Gender Disparities and the Perception of Success in "The Man" by Taylor Swift*

**Mikayla Schuetz**

*The Use of Gender Stereotypes in the 2019 Film, The Hustle*

**Lily Close**

*"One page of the bible isn't worth a life": The Grave Issue of Transphobia*

**Leigha Hill**

*Lola, the "Man" with Experience*

**Kaylena Crabtree**

*The Best Four Years of Your Life: Sexism in High School in Amy Poehler's "Moxie"*

**Tristan Marowski**

*How "Elisa and Marcela" Exhibits the Realities of a Relationship Between Two Women*

**Zara Tirrell**

*Analyzing Gender Flexibility in Character Representation*

**Katherine Klingaman**

*Expectations, Identity, and Mental Illness: "My Lesbian Experience with Loneliness"*

**Emily Bennett**

*Sexuality and Relationship acceptance in "The Perks of Being a Wallflower"*

**Abby Blevins**

*Normalizing Homosexuality in Films Through the Lens of "Happiest Season" (2020)*

**Rosen Naydenov**

*The Role of Women in James Cameron's Titanic*

**Olivia Rhodes**

*The Representation of Gender and Sexuality in the TV show the Fosters*

**Kasey Clemons**

*A Media Presentation Commenting on Gender Issues in Legally Blonde*

**Joanna Glenn**

*"Blessed be the Fruit" Female Representation in The Handmaids Tale Season 1*

**Rebecca Golden**

*A Look at Gender Norms: "Good Girls" and "Bad Boys"*

**Aasiya Slaughter**

*Gender Inequalities in "Hidden Figures"*

**Anastasia Edwards**

*Gender Equality in "On the Basis of Sex"*

**Rebecca Chung**

*Black Femininity and Masculinity and its Relation to Sexuality in Spike Lee's "She's Gotta Have It"*

**Rachel Boch**

*"Fight Like a Girl": Diversity in the Women's Rights Movement*

**Leah Richardson**

*"Faggot": God's Own Country - Directed By Francis Lee*

**Guilherme Sergio**

*Fox News' Sexual Scandal*

## Department of Theatre, Art, and Graphic and Animation Design

### Point of Departure- Senior Exhibition

Seniors from the Department of Theatre, Art, and Graphic and Animation Design will have their work showcased at the “Point of Departure” Senior Exhibition from **April 17<sup>th</sup> – May 12<sup>th</sup>**.

Please visit the **Longwood Center for the Visual Arts** to view this exhibition.

#### Longwood Center for the Visual Arts

129 North Main Street  
Farmville, Virginia 23901  
<https://lcva.longwood.edu/>

#### Gallery Hours:

Tuesday to Saturday: 11am—5pm  
Sunday: 1pm—5pm

**Paige Blaha**  
**Darby Rachelle Bouweiri**  
**Tabitha Buchanan**  
**Michelle Cabellos**  
**Mitzi Cater**  
**Victoria Coleman**  
**Alison Connolly**  
**Sydney Crist**  
**Emily Cutcliff**  
**Carolyn Durloo**  
**Cierra England**  
**Erin Fogg**  
**Miranda Gomez**  
**Nathan Gowdy**  
**Dave Haig**  
**Chablise Hammie**  
**Andrew Harnois**  
**M Heimburg**

**Arwyn Heppard**  
**Caitlin Hintze**  
**Andrew Jones**  
**Angeli Leong**  
**Mary Maglieri**  
**Sha’Rena Miller**  
**Lauren Quezada**  
**Lauren Ratanataya**  
**Thomas Riordan**  
**Micaela Shrauder**  
**Taylor Sizemore**  
**Katie Smith**  
**Matthew Spahr**  
**Sophia Tamilio**  
**Rachel Tucker**  
**Mason Vest**  
**Rebekah Webber**  
**Riley Winkles**

This exhibition was presented in partnership with the Cook-Cole College of Arts & Sciences.

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## **Junior Art Show**

Juniors from the Department of Theatre, Art, and Graphic and Animation Design will have their work showcased in the Junior Art Show from **April 9<sup>th</sup> – August 15<sup>th</sup>**.

Please visit the **Bedford Gallery** to view this exhibition.

**Jordan Maes**  
**Sierra Walz**  
**Lauren Barker**  
**Kaitlyn White**  
**Chris Hartley**  
**Kyra Valovick**  
**Kaila Owens**  
**Ann Summers**  
**Sarah Scott**  
**Brittany Davis**  
**Hailee Fry**  
**Katherine Cameron**  
**Emily Langston**  
**Sydney Taylor**  
**Zach Westbrook**  
**Soliah Stromberg-Brusco**  
**Tayla Breeden**  
**Melanie Lewis**