



FALL STUDENT SHOWCASE FOR  
RESEARCH  
& CREATIVE  
**INQUIRY**

Longwood University's campus-wide student showcase is open to all who wish to attend. Students will present their projects in the form of posters, oral presentations, and performances.

**WEDNESDAY · 17 NOVEMBER 2021 · 2 — 5:30 P.M.**

## Table of Contents

Acknowledgements.....	4
Hybrid Fall Student Showcase on ForagerOne.....	5
Round Table Discussion Sessions November 17, 2021.....	6
Live Poster Q&A Sessions November 17, 2021.....	7
Live Presentation Schedule November 17, 2021.....	8
Live Poster Sessions on ForagerOne 2:00 – 3:00 p.m. ....	9
BIOL 301 – Comprehensive Human Anatomy and Physiology.....	9
PSYC 461 – Senior Seminar in Psychology.....	9
CHEM 311 – Drug Addiction and Recovery.....	10
EDUC 245 – Human Growth and Development.....	11
Live Poster Sessions on ForagerOne 3:15 – 4:15 p.m. ....	13
SPED 475 – Language Development and Disorders Posters.....	13
NURS 360 - Introduction to Research and Evidence Based Practice.....	14
Perspectives on Research in Science and Mathematics (PRISM) Summer 2021 Posters.....	15
Longwood Summer Scholars: Exploring Science.....	16
Psychology Research.....	16
Biology 341 – Ecology.....	16
Biology 488 – Senior Capstone in Biology.....	17
Live Poster Sessions on ForagerOne 4:30 – 5:30 p.m. ....	18
Biology 250 – Introduction to Genetics and Cell Biology.....	18
BIOL 326 – Cell Biology.....	18
THEA 448 – Integrated Arts Theater.....	19
HIST 415- Medieval Women at War, Virginia Room.....	19
HIST 407 - Seminar in American History: The US in the Age of Atlantic Revolutions, Virginia Room.....	19
Independent Research Projects.....	19
Cormier Honors College for Citizen Scholars Presentations.....	20
BIOL 114 – Biology for the Teaching Professional.....	20
BIOL 364 – Perspectives in Toxicology.....	21
EASC 435 – Watershed Management.....	22
KINS 301 – Principles of Therapeutic Intervention.....	22
PSYC 315 – Comparative Animal Behavior.....	22
KINS 389 – Methods of Teaching Health and Physical Education for Elementary Classroom Teachers.....	22
LDST 320 – Leaders and Leadership.....	22

CRIM 350 – Race, Crime, and Criminal Justice .....	22
Live, In-Person Presentations .....	23
BIOL 251 - Introduction to Ecology and Evolution, Rotunda 116.....	23
SPAN 341- Spain: Civilization, Literature, and Artistic Expressions from Prehistory to 1700, Rotunda 115.....	24
Research and Honors Independent Study Presentations, Rotunda 115 .....	24
SPAN 351 - Early Latin America: Pre 1800, Rotunda 108 .....	25
THEA 448 – Integrated Arts Theater, CSTAC 101.....	25
HIST 415- Medieval Women at War, Virginia Room.....	26
HIST 407 - The US in the Age of Atlantic Revolutions, Virginia Room.....	26
Department of English & Modern Languages Senior Seminar Panels, Prince Edward Room .....	28

## Acknowledgements

### Student Showcase Organizing Committee

Amorette Barber, Chair  
Bob Barnwell  
Kristen Boyle  
Mark Hamilton  
Steven Hoehner  
Jennifer Hutchinson  
Kat McClesky  
Sarah Porter  
Timothy Ritzert  
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

## Hybrid Fall Student Showcase on ForagerOne

The Office of Student Research is sponsoring Longwood University's hybrid Fall Student Showcase for **Research and Creative Inquiry**.

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

The Showcase will be held Wednesday, November 17 2:00 – 5:30 p.m.

Beginning on November 25, 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.

## Round Table Discussion Sessions November 17, 2021

Join the virtual Round Table Discussion Sessions on November 17 to learn more about research programs at Longwood University and opportunities to publish your research and inquiry projects.

You can join the round table discussion sessions from the live sessions tab on:

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

### **2:00-3:00 Round Table Discussion- *Incite***

Dr. Larissa Tracy- Editor, *Incite*

Learn about publishing your work in *Incite*, the undergraduate research journal for Longwood University. Dedicated to publishing the best work of undergraduate students across the disciplines, *Incite* is a faculty-reviewed journal produced at the end of each academic year. Student work from all disciplines is welcome!

<http://www.longwood.edu/office-of-student-research/incite/>

### **3:00-4:00 Round Table Discussion- Longwood Senior Thesis Program**

Dr. Andrew Yeagley- Chair, Longwood Senior Thesis Committee

Learn about participating in the Longwood Senior Thesis program. The Senior Thesis program allows you to showcase your knowledge in your major and your critical thinking skills. This is a unique opportunity to distinguish yourself from your peers through completion of an original, independent project. Students from all majors are welcome to participate in this program!

<http://www.longwood.edu/seniorthesis/>

### **3:00-4:00 Round Table Discussion- Digital Commons**

Hope Alwine, Digital Initiative Specialist and Mark Hamilton, Research and Digital Services Librarian

Learn about publishing your work on Longwood University's Digital Commons. Work included in the Digital Commons is accessible via Google and major search engines, and becomes findable through the Digital Commons Network. This makes your work more frequently cited, more visible, and more likely to have greater impact.

<https://libguides.longwood.edu/home/digitalcommons>

## Live Poster Q&A Sessions November 17, 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 and will be available for video chat. Viewers may also leave comments and questions about the asynchronous presentations outside of the live Question and Answer sessions.

### **2:00 – 3:00 p.m.**

Biology  
Psychology  
Chemistry  
Education

### **3:15 – 4:15 p.m.**

Special Education  
Nursing  
Biology  
Independent Research  
LU-PRISM  
Longwood Summer Scholars

### **4:30 – 5:30 p.m.**

Biology  
History  
Theater  
Cormier Honors College for Citizen Scholars  
Independent Research

## Live Presentation Schedule November 17, 2021

Join us on campus for live talks and performances on Wednesday, November 17 from 2:00 – 6:00 p.m.

**2:00 p.m. – 6:00 p.m.**

*Prince Edward Room, Maugans Alumni Center*

Department of English & Modern Languages Senior Seminar Panels

**2:00 p.m. – 4:00 p.m.**

*Communication Studies and Theatre Arts Center 101*

Theatre 448- Integrated Arts Theatre

**2:00 p.m. – 3:00 p.m.**

*Virginia Room, Maugans Alumni Center*

History 415- Medieval Women at War

**2:00 p.m. – 5:00 p.m.**

*Rotunda 116*

Biology 251- Introduction to Ecology and Evolution

**2:00 p.m. – 5:00 p.m.**

*Rotunda 108*

Spanish 351- Early Latin America: Pre-1800

**2:00 p.m. – 4:00 p.m.**

*Rotunda 115*

Spanish 341- Spain: Civilization, Literature, and Artistic Expressions from Prehistory- 1700

**3:15 p.m. – 4:15 p.m.**

*Virginia Room, Maugans Alumni Center*

History 407- The US in the Age of Atlantic Revolutions

**4:00 p.m. – 5:15 p.m.**

*Rotunda 115*

Independent Research  
Cormier Honors College for Citizen Scholars



## **Live Poster Sessions on ForagerOne 2:00 – 3:00 p.m.**

### **BIOL 301 – Comprehensive Human Anatomy and Physiology**

Faculty Mentor, Dr. Bjoern Ludwar

**Jeri Tyler and Delaney McMahon**

*Analysis of Muscles Involved in Grasping Objects of Various Weights*

**Briana Scott, Taylor Murphy, Katelin Savage, Alyandra Lee**

*Does Playing Video Games Make You an Athlete? / Does ESports Belong in the Olympics?*

**Layne Fadely, Stephanie Willis, Izzy Riccoboni**

*How weight effect the angles and amount of force on ankles when completing a jump*

**Hunter Croom and Davice Jones**

*How does music affect our internal stress receptors?*

**Marshall White, Kyle Hiatt**

*Masking Away Our Emotions*

**Elizabeth Putzig, Sheila Garcia, Brian White**

*One Trip, One Slip, One Fall: Carrying something wrong can end it all.*

**Jacqueline Amaya Hernandez, Tajada Arrington, Chelsea Griffin, Abigail Henderson**

*The Correlation between Heart Rate and Level of Exercise in Women*

**Angelina Sherba, Brianna Cervantes, Abby Pack**

*Effects of Pupil Dilation, Eye Movement, and Blinking to Detect When Someone Lies*

### **PSYC 461 – Senior Seminar in Psychology**

Faculty Mentors, Dr. Sarai Blincoe and Dr. Timothy Ritzert

**Lexy Nester, Mia Ragland, Alaina Taraschi**

*Clothing Swap: The Impact of Attire on Compliments*

**Eva Copenhaver, Alexander Elliott, Jacob Gagat**

*Clothing and Compliments*

**Abbey Heller, Delaney Snead**

*Would You Trust a Woman? Perceptions of Gender in Leaders of Student Organizations*

**Olivia Bazzell, Kellie Brown, Jonas Kalchner**

*The Impact of Compliments*

**Rose Gerena, Faith Harris, Shannon Smith**

*The Effects of Compliments on Complementary Behavior*

**Summer Kirby, Lillie Rosson**

*Chronotype's Effect on Perception of Prosocial Behavior*

**Kate Lopez, Silvia Omboni**

*Impact of Cell Phone Use during Face-to-Face Social Interaction*

**Payton Davenport, Audrey Lemons, Jacob Shope**

*The Effect of Compliment Type on the Estimated Value of the Compliment*

**Andrew Brittingham, Samantha Morris**

*Emotional Regulation Strategies and Alleviation of Subjective Distress*

**Cicely Dunaway, Jamiah Sutton**

*Investigating Smartphone Presence on Social Enjoyment during Various Conversations*

### **CHEM 311 – Drug Addiction and Recovery**

Faculty Mentor, Dr. Andrew Yeagley

**Aislinn Garcia and Lauren Cerretani**

*Analysis of Lysergic acid (LSD) Addiction and Recovery from both a physical and psychological lens*

**Caroline Fairbanks and Makayla Whittaker**

*Analysis of Cocaine Addiction and Recovery from both a physical and psychological lens*

**Tyler Marshall and Nicole Madrigal**

*Analysis of Methylphenidate (Ritalin) Addiction and Recovery from both a physical and psychological lens*

**Natalie Buckley and Kendall Magee**

*Analysis of Duloxetine (Cymbalta) Addiction and Recovery from both a physical and psychological lens*

**Ke'asia Nichols and Heather Forsht**

*Analysis of Caffeine Addiction and Recovery from both a physical and psychological lens*

**Ryan Field and Christopher Buffkin**

*Analysis of Drug Addiction and Recovery from both a physical and psychological lens*

**Channing Fisher and Abigail Janney**

*Analysis of 3,4-Methylenedioxymethamphetamine (MDMA or Ecstasy) Addiction and Recovery from both a physical and psychological lens*

**Trevor Jordan and Emilyne Evans**

*Analysis of Adderall (mixture of amphetamine and dextroamphetamine) Addiction and Recovery from both a physical and psychological lens*

**Hailey Lux and Mackenzie Harry**

*Analysis of Sertraline (Zoloft) Addiction and Recovery from both a physical and psychological lens*

**Kristen Dobek and Hannah Couch**

*Analysis of Fluoxetine (Prozac) Addiction and Recovery from both a physical and psychological lens*

**Meagan Munley and Carrie Flickinger**

*Analysis of Oxycodone (Oxycontin) Addiction and Recovery from both a physical and psychological lens*

**Emma Culver and Abigail Roller**

*Analysis of Diazepam (Valium) Addiction and Recovery from both a physical and psychological lens*

## **EDUC 245 – Human Growth and Development**

Faculty Mentor, Dr. Aftab Khan

**Emma Gresham and Hannah Holt**

*Pandemic babies*

**Thomas Glauda**

*The effects of ADHD on social and emotional development*

**Sarah Pomfrey and Natalie Russell**

*Time spent in Foster Care and the Effects on Social-Emotional Development*

**Devin Joseph and Karli Taylor**

*Effects of Having Siblings on Social and Emotional Development in Children*

**Emma Adcook and Hannah Finley**

*The Effects of Organized Sports in Children*

**Hayden Bradbury and Joey Rice**

*The Effect of Parent Expectations on Academic Performance*

**Wyatt Atkins and Hunter Patterson**

*The effects moving around a lot as a child can have on social and emotional development.*

**Amani Hinton and Liv Reid**

*The effect of a child's diet on their cognitive and emotional development*

**Riley McDonald**

*ACE's, the Untold Story of Childhood Trauma*

**Cameron Wheeler and Rachel Smith**

*The effects of quarantine on children's social and emotional development*

**Abigail Conroy, Madeline Little, James Acheson**

*Social Emotional and cognitive development compared to economic differences*

## **Live Poster Sessions on ForagerOne 3:15 – 4:15 p.m.**

### **SPED 475 – Language Development and Disorders Posters**

Faculty Mentor, Dr. Aftab Khan

**Jillian Fitzgerald and Katie Davoud**

*The effectiveness of Proxtalker communication device on individuals with ASD*

**Kyla Brown and Rubi Rubilar**

*The Verbal Behavior Approach (VB) and How It Impacts Children with ASD Through the Use of Discrete Trial Training*

**Alissa Krynicky and Jessica Morris**

*The Effectiveness of the augmentative and alternative communication (AAC), specifically the Symbol Support app, for students with Autism Spectrum Disorder*

**Maya Ingram and Abigail Wilson**

*Discrete Trial Training helps Nonverbal Children with ASD Learn Their First Words*

**Ashton Talley**

*How beneficial text to speech devices are to students with disabilities specifically cerebral palsy*

**Frances Marshburn and Ashton Justice**

*The Effectiveness of PECs for children with Autism Spectrum Disorder to make requests*

**Abigail Verling and Sydney Rew**

*Peer Assisted Learning for language development in students with ASD*

**Natalie Collins and Chanelle Williams**

*The Use of Video Modeling on the Social Communication Skills of Students with Autism Spectrum Disorders*

**Ashton Finehirsh and Staci Stevenson**

*The effectiveness of the Tobii Dynavox for those with Autism who are nonverbal or have limited speech*

**Ashley Schweizer**

*Effectiveness of Video modeling for Children on the Autism Spectrum Disorder*

**Kaitlyn Hahn and Savanna McClenny**

*The Effectiveness of Proloquo2go on Students with Intellectual Disabilities*

**McKenzie Crews and Jennifer Rubio**

*The effectiveness of Kurzweil 3000 to people with intellectual disabilities*

**Rachel Bibb and Sarah Danco**

*Using Orton-Gillingham Multisensory Instruction Program on Individuals with Dyslexia"*

**Hope Willingham and Margaret Pass**

*Do as I say not as I do*

**NURS 360 - Introduction to Research and Evidence Based Practice**

Faculty Mentors, Dr. Kim Little and Dr. JoAnn Davis

**Caroline Trueman and Abigayle Cunningham**

*Comparing Inhaler Types in Patients with Asthma*

**Claire Briggs and Tori Heller**

*The Effect of High Intensity Interval Training on the Reduction of Risk for Cardiovascular Disease*

**Leah Eick and Brooke Buchanan**

*The Effect of Therapy Dogs on Chemotherapy Patients' Stress Levels*

**Katie Cole and Journey McMillian**

*Does the Intervention of Skin-to-Skin Contact Help Infants Maintain Body Temperature?*

**Kaylee Eckert and Seth Seward**

*The Influence of Parental Obesity on Children and Adolescents*

**Isabel Rosche and Madyson Hunley**

*Parental Impact on Adolescent Obesity*

**Skylar Walker**

*Success of Failure; how care provided, to a young adult, by EMS or a Respiratory Therapist affects survival rates.*

**Annie Elliott and Kayla Oberfeld**

*Preventing Falls in Elderly Patients with Altered Mental Status: Alarm Systems vs Sedatives*

**Alyssa Gibson and Hailey Marin**

*Alternative Pain Management versus Opioid Prescription Medication for Pain Management in the Clinical Setting*

**Lauren Mohrhusen and Macy Franchebois**

*For teenagers in the United States does the use of tobacco products further increase the future risk of respiratory diseases, such as COPD, compared to nontobacco nicotine products within a ten year time frame?*

**Ashley King and Peyton Romer**

*Does marijuana use during pregnancy affect the weight of a newborn at full term?*

**Sara Stevens and Casandra Garrett**

*The Mumps, Measles, and Rubella Vaccine and how it effects Children*

**Aynsley Williams and Emily Arrington**

*Effects of Immediate Skin-to-Skin Contact on Baby's Vital Signs and Lactation Interest*

**Hannah Irons and Grace Jones**

*The Impacts of Consuming Peanuts during Pregnancy*

**Stephanie Bunce and Kayla Knotts**

*The Effect of High Flow Oxygen vs. Titrated Oxygen on COPD Patients' and their Oxygen Saturation*

**Emily McGuire and Anna Schmied**

*Mandatory Nurse-to-Patient Ratios Impact on Nurse Satisfaction in California ICUs*

**Rebecca Arrington, Haley Bendall, Rebecca Keough**

*What is the impact of COVID-19 on veterans seeking and receiving care for mental health and substance abuse disorders given the scarce resources and bogged down emergency rooms?*

**Madison Pribble and Trevor Leonard**

*Efficacy of Smoking Cessation Techniques used in Healthcare*

**Kayla Bailey and Hannah VanHoose**

*Comparing Anticoagulant Therapies for Chest Tube Management*

### **Perspectives on Research in Science and Mathematics (PRISM) Summer 2021 Posters**

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

*Epigenetically Heritable Effects of Maternal Behavior in Rats*

**Samuel Shackelford (Faculty Mentor, Dr. Kathy Gee)**

*Effects of Climate Change on Rainwater Harvesting Systems*

**Noel Preece (Faculty Mentor, Dr. Robert Blaisdell)**

*Effects of Repeat Sprint Exercise on EMG Activity in Leg Muscle Groups Among a Variety of Athletes: A Pilot Study*

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

*Excursions in Summation*

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

*Approximating Continuous Functions Using Scattered Translates*

**Miguel Diaz-Montealegre (Faculty Mentor, Dr. Kathy Gee)**

*The Effects of Climate Change on the Performance of Rainwater Harvesting Systems*

**Isabelle Villarreal (Faculty Mentor, Dr. Robert Blaisdell)**

*Neuromuscular Fatigue from Repeated Sprint Exercise and the Impact It Has on Jump Performance: A Pilot Study*

**Marcia Reeves (Faculty Mentor, Dr. Jonathan White)**

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

**Adonel Grubb (Faculty Mentor, Dr. Jonathan White)**

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

### Longwood Summer Scholars: Exploring Science

**Mackenzie Fulcher**, Appomattox High School (Faculty mentor, Dr. Adam Franssen)

*Epigenetically Heritable Effects of Maternal Behavior in Rats*

**Calvin Foster**, Cumberland County High School (Faculty mentor, Dr. Jeffrey Ledford)

*Linear Algebra within a Non-local Approximation Scheme*

**Dima Hamza**, Prince Edward County High School (Faculty mentor, Dr. Jonathan White)

*Synthesis of Platinum(II)-Based Anticancer Drug Derivatives & Investigation of their Structure–Activity Relationships*

### Psychology Research

**Jacob Shope (Faculty Mentor, Dr. Timothy Ritzert)**

*Risk Factors for Child Maltreatment during the Initial Lockdown of the Covid-19 Pandemic: A Systematic Review*

### Biology 341 – Ecology

Faculty Mentor, Dr. Kenneth Fortino

**Brianna Cervantes, Dylan Scordellis, Adonel Grubb**

*Abundance of Ferns Due to the Growing Conditions in Vegetated Areas vs. Areas of Higher Infrastructure*

**Marshall Tucker, Shifflett Ivy, Woodall Dustin**

*Impacts of Flow on the Presence of Aquatic Organisms*

**Diego Sifuentes and Coleman Taylor**

*The effect of distance from habitat fragmentation on biodiversity of invertebrates*

**Miguel Diaz, Lloyd Dominguez, Kelsey English, Rebecca Mills**

*Distribution, Abundance, and Behavior of Squirrels on Longwood Campus*

**Katelin Savage, Elizabeth Putzig, Amanda Shemro**

*How does water quality at different locations in Farmville affect the surrounding ecosystem?*

**Alexis Henry, Ashley Wilson, Sophie Kidd**

*The Effect of Weather Conditions on Food Availability for Amphibians*



## Biology 488 – Senior Capstone in Biology

Faculty Mentor, Dr. Mark Fink

**Joy Hernandez Luna**

*Transgenerational Trauma*

**Dylan Blanton**

*Why is it beneficial for crustaceans to become crab-like?*

**Ian Castelow**

*Effect of water pollution on food source of shorebirds*

**Caleb Edwards**

*The Effects of Psychedelics on Brain Development*

**Marshall White**

*Micro-RNA, a Solution for Understanding Depression*

**Brian White**

*Reconstructing *Isotelus rex*, The Largest Trilobite Ever*

## Live Poster Sessions on ForagerOne 4:30 – 5:30 p.m.

### Biology 250 – Introduction to Genetics and Cell Biology

Faculty Mentors, Dr. Consuelo Alvarez and Dr. Amorette Barber

**Cassandra Poole and Jack Kloeppe**

*Microbial Diversity of Human-Cultivated and Wild Soil on Longwood University's Campus*

**Kristen Dobek and Madalyn Cook**

*Microbial Diversity of Rural and Urban at Different Depths on Longwood University's Campus*

**Quinn Kehoe, Rodney Clark, Elizabeth Whitehead**

*Comparing the Microbial Diversity of Campus Cultivated Flowers Vs EEC Wildflowers at Longwood University*

**Linden Czeizinger and Maya Smith**

*Water Clarity Affects Microbial Diversity in Lakes at Longwood University*

**Kailyn Westbrook**

*The Process of Isolating, Purifying, and Transforming the GFP Gene from the pGLO Plasmid into Bacteria Cell Culture Expression.*

**Sophia Douglas**

*Glowing and Growing Bacteria*

**Heidi Parker-Combes**

*Using the pGLO Plasmid to Study the Effects of Gene Expression*

**Carolyn Blackwell**

*Characterization and Experimental Analysis of the Green Fluorescent Protein Gene (GFP)*

**Abigail Sommer**

*Green Fluorescent Protein Gene in pGLO Plasmid expressed in Escherichia coli*

### BIOL 326 – Cell Biology

Faculty Mentor, Dr. Katie Pennington

**Isabelle Villarreal, Alayna Palamar, Lloyd Dominguez**

*Suppression of Gene Expression Following Knock Down of Transcription Factor dFoxo*

**Amanda Palmer, Kylee Wright, Tristana Foster, Hailee Banks**

*Longevity and Aging Mediated by FOXO and the gene Methuselah*

**Diego Sifuentes, Hunter Croom, Samari Brown Amari Riddick**

*The effect on PEPCK if the transcription factor dFOXO is knocked down*

## THEA 448 – Integrated Arts Theater

Faculty Mentor, Dr. Ronda Scarrow

**Katelyn McAbee**

*Dance & Math*

**Noah Loving, Sara Malise**

*Dance/Movement in the Classroom*

**Dorothy Miller, Victoria Noe, Staci Stevenson**

*Integration of Theatre with English/L.A*

**Sarah Greer, Emma Hasley, Jessalynne Hull, Abbie LeFerve**

*Visual Arts in Education*

**Maria Hendricks, Ashton Finehirsh, Autumn Doss, Jillian Fitzgerald**

*Visual Arts in Education*

**Maelyn Garrison, Julia Adams**

*Music Represented in Elementary Math*

**Jonathan Spencer and Collins Natile**

*Incorporating Music into your History Lesson*

## HIST 415- Medieval Women at War, Virginia Room

Faculty Mentor, Dr. Steven Isaac

**David Ezell**

*Joan of Arc and Her Voices*

## HIST 407 - Seminar in American History: The US in the Age of Atlantic Revolutions, Virginia Room

Faculty Mentor, Dr. Dr. David Geraghty

**Michaela Deppen**

*France's Interests in the American Revolution*

## Independent Research Projects

**Brett Baird, (Faculty sponsor, Dr. Amanda Blaisdell)**

*There's Life Outside of Teaching Program*

**Payton Davenport, Jonas Kalchner, Kadi Leonor-Caballero, Shannon Smith, (Faculty sponsor, Dr. Tim Ritzert)**

*The Impact of an ACT Defusion Intervention on Fear, Avoidance, and Valued Living*

**Kylie Gannon, (Faculty sponsor, Dr. Tim Ritzert)**

*The Interactions between Mental Health Concerns and Fatigue: An Experience Sampling Study Proposal*

**Haley Smith, (Faculty sponsor, Dr. David Coles)**

*The Imperial Japanese Military: A New Identity and Military Power into the 20th Century, 1853-1922*

**Sophie Kidd, (Faculty sponsor, Dr. Dale Beach)**

*I SPI with My WGS Eye a Salmonella Outbreak*

**Briana Scott, (Faculty sponsor, Dr. Erin Shanle)**

*Testing the role of Wfs1 in calcium regulation in Drosophila cells*

**Ross Bechtle, (Faculty sponsor, Dr. Binaya Adhikari)**

*Geographic Distribution and History of Plant Specimens at Longwood University Harvill-Stevens Herbarium*

**Mu'minah Fulani, (Faculty sponsor, Dr. Tim Rizert)**

*Mindfulness meditation on the effects of the Trail Making Tests*

**Kyle Hiatt, (Faculty sponsor, Dr. Bjoern Ludwar)**

*Scanning electron microscopic analysis of developmental speed's effect on symmetry in Drosophila melanogaster*

## **Cormier Honors College for Citizen Scholars Presentations**

### **BIOL 114 – Biology for the Teaching Professional**

Faculty Mentor, Dr. Mary Lehman

**Caitlin Hartley, Kennedy Lundeen, Abigail Marple, Kensington McLoone**

*Evaluating environmental conditions for seed germination experiments in a classroom setting*

**Emily Boeckle, Shyane Reyes, Haley Skowysz**

*Can pesticides harm your garden plants?*

## **BIOL 364 – Perspectives in Toxicology**

Faculty Mentor, Dr. Erin Shanle

### **Sarah Roquemore**

*Risk Assessment of Mohawk Tannery*

### **Rebecca Mills**

*Risk Assessment of the Normandy Park Apartments*

### **Eli Caldwell**

*Risk Assessment of Blackbird Mine*

### **Tinsae Alem**

*Risk assessment of blackbird mine*

### **Elizabeth Garri**

*Risk Assessment of the Roanoke River*

### **Samantha Stoddard**

*Risk Assessment of Fox River NRDA/PCB Releases in Green Bay, Wisconsin*

### **Jocelyn Price**

*Risk Assessment of Devil's Swamp Lake*

### **Ashley Brooks**

*Risk Assessment of Organophosphates in Pesticides*

### **Ashley Wilson**

*Risk Assessment of Unity Auto Mart*

### **Gillian Eshelman**

*Risk Assessment of Vaping*

### **Rebekah Godfrey**

*Risk Assessment of Bear Creek Sediments*

### **Noel Preece**

*Risk Assessment of the Yellow Pine Mining Area, Stibnite, ID*

### **Kaleigh Beale**

*Risk Assessment of Parabens and Aluminum in Deodorants*

### **Kelly Jarratt**

*Risk Assessment of Anaconda Copper Mine*

## **EASC 435 – Watershed Management**

Faculty Mentor, Dr. Kathy Gee

**Julia White**

*Rainwater harvesting systems and their history*

## **KINS 301 – Principles of Therapeutic Intervention**

Faculty Mentor, Dr. Jenn Cuchna

**Kelly Jarratt**

*Evaluation of Surgical Interventions and Non-surgical Treatments on Return to Play Outcomes in Shoulder Labrum Tears in Athletes: A Critically Appraised Topic*

**Hannah Wright**

*Comparison of Surgical and Nonsurgical Interventions for Acute Achilles Tendon Rupture: A Critically Appraised Topic*

## **PSYC 315 – Comparative Animal Behavior**

Faculty Mentor, Dr. Maxwell Hennings

**Shannon Smith**

*Attachment in Non-human Primates*

## **KINS 389 – Methods of Teaching Health and Physical Education for Elementary Classroom Teachers**

Faculty Mentor, Dr. Matthew Lucas

**Camryn Dodson**

*Increasing the Socialization Skills of Students with Visual Impairments through Recess*

## **LDST 320 – Leaders and Leadership**

Faculty Mentor, Dr. Scott Cook

**Mackenzie Harry**

*What Makes a Hero?*

## **CRIM 350 – Race, Crime, and Criminal Justice**

Faculty Mentor, Dr. Virginia Beard

**Katrina Cokain, Faith Harris**

*Race, Gender and Domestic Violence*

## Live, In-Person Presentations

### BIOL 251 - Introduction to Ecology and Evolution, Rotunda 116

Faculty Mentors, Dr. Sujan Henkanathegedara and Dr. Benjamin Campbell

<https://longwood-edu.zoom.us/j/99152414926>

- 2:00-2:20 **Megan LaTulipe, Madalyn Cook, Zoe Averett**  
*Impact of Urbanization on Nocturnal Insect Diversity and Abundance in Farmville*
- 2:20-2:40 **Cassandra Poole, Cosmo Curbeam, Anthony Anderson, Anna Holloway**  
*The impact of *Faxonius ozarkae*, an emergent invasive crayfish species, on the native crayfish of Virginia*
- 3:00-3:15 **Carolyn Blackwell, Skylar Irvin, Heidi Parker-Combes, Hannah Spencer**  
*Ecological Research*
- 3:15-3:30 **Linden Czeizinger, Maya Smith, Virginia Tam**  
*Ecological Research*
- 3:30-3:45 **Josh Couch, Billy D'Amato, Sophia Douglas**  
*Ecological Research*
- 3:45-4:00 **Nina Hederich, Quinn Kehoe, Lilly Rogers**  
*Ecological Research*
- 4:00-4:15 **Rodney Clark, Kira Edens, Bianca Minter, Elizabeth Whitehead**  
*Ecological Research*
- 4:15-4:30 **Jerry Dunford, David Johnson, Mackenzie Woody**  
*Ecological Research*

**SPAN 341- Spain: Civilization, Literature, and Artistic Expressions from Prehistory to 1700,  
Rotunda 115**

Faculty Mentor, Dr. Javier Fernandez Urenda

- 2:00-2:15 **Rachel Iman**  
*El arte de renacimiento*
- 2:15-2:30 **Mallory Davis**  
*The Socialization of Women: Representation Through History and Art*
- 2:30-2:45 **Mallory Davis**  
*The Society of Spain: La Edad Medieval y el Renacimiento*
- 2:45-3:00 **Diana Domenech**  
*Arte Greco Romana y la Religion*
- 3:00-3:15 **Kaylee Georgis**  
*Gender Roles as Seen Through Art During the Renaissance*
- 3:15-3:30 **Benjamin Breene**  
*How Significant of An Impact Has Mozarabic Had on Spanish History?*
- 3:30-3:45 **Rachel Cannon**  
*Literatura Española Durante La Edad Media*

**Research and Honors Independent Study Presentations, Rotunda 115**

- 4:00-4:15 **Sage Church, (Faculty sponsor, Dr. Sujan Henkanaththegedara)**  
*Exploring the ecology and life history of the point endemic Chowanoke Crayfish  
(Faxonius virginensis) in Dinwiddie County, Virginia*
- 4:15-4:30 **Nicole Ardovino, Joshua Boyer, Jenna Donnelly, John Eddy, Vincent Via, and Caitlin Wiley, (Faculty sponsor, Dr. Christopher Swanson)**  
*A Most Precious Journey: Understanding the Music of Howard Shore's Fellowship of the Ring*
- 4:30-4:45 **Tyler Cosley, (Faculty sponsor, Dr. Charles Kinzer)**  
*The History of the Longwood Wind Symphony*
- 4:45-5:05 **Harry Caldwell, (Faculty sponsor, Dr. David Coles)**  
*The World After*



## SPAN 351 - Early Latin America: Pre 1800, Rotunda 108

Faculty Mentor, Dr. Renee Gutiérrez

<https://longwood-edu.zoom.us/j/97546604304>

- 2:00-2:20 **Sage Church**  
*Los Rarámuri y su escaparse de los Espanoles.*
- 2:20-2:40 **Victoria Adame**  
*La salud física y mental indigena por los siglos*
- 2:40-3:00 **Rachel Iman**  
*La Malinche: una mujer, muchas historias*
- 3:00-3:20 **Kaylen Karnes**  
*tequila: dando espíritu a la cultura mexicana*
- 3:20-3:40 **Ben Loucas**  
*El poder pintado: representación de los aztecas y los europeos en su arte*
- 3:40-4:00 **Diana Domenech**  
*Los Taínos: El llanto del pasado hoy en día*
- 4:00-4:20 **Anna Klosky**  
*Romanticism and Modernism in Latin America*
- 4:20-4:40 **Madison Levine**  
*Exploring the Imagery of Slavery in the Pre 1800 Hispanic World*
- 4:40-5:00 **Ilaria Russell**  
*Lo que mató a los aztecas*

## THEA 448 – Integrated Arts Theater, CSTAC 101

Faculty Mentor, Dr. Ronda Scarrow

<https://longwood-edu.zoom.us/j/92229847240>

- 3:00-3:20 **Jaclyn Tobin, Chanelle Williams, Keely Williams, Taylor Withrow**  
*Integrating Theatre into Every Subject*
- 3:20-3:40 **Carlicia Anderson, Hayley Bazala, Allison Brown, Ainsley Cundy**  
*Incorporating Music into every Lesson*
- 3:40-4:10 **Kara Parr, Rachel Iman, Jessica Morris, Courtney Kapp**  
*Learning through Dance*

## HIST 415- Medieval Women at War, Virginia Room

Faculty Mentor, Dr. Steven Isaac

2:00-3:00

<https://longwood-edu.zoom.us/j/93632872355>

### **Megan Witherow**

*Medieval Literature used to Prohibit Women in Warfare*

### **Gretchen Yoder**

*The Legacy of Fiery Joanna*

### **Jacob Farmer-Rylands**

*Matilda of Tuscany: Battling the English and Eleventh-Century Misogyny*

### **Garrett Hall**

*Just War in Middle Ages*

### **Mackenzie Harris**

*Joan of Arc, Equestrian*

### **Eric Schesventer**

*Treatment of Women During the Hundreds Year War*

### **Brianna Davis**

*Judicial Procedure during Fifteenth Century France, with special reference to Joan of Arc*

## HIST 407 - The US in the Age of Atlantic Revolutions, Virginia Room

Faculty Mentor, Dr. David Geraghty

3:15-4:15

<https://longwood-edu.zoom.us/j/96722453944?pwd=SEc3ZjRnRXBxcSsvWEVvck9hcmc1UT09>

### **Matthew Roberts**

*Founding Fathers on the Haitian Revolution*

### **Ethan Ryan**

*Polish-American Relations After the Polish Revolution of 1830*

### **Adriel Ford**

*The Politics Within Early U.S. Universities*

### **Noah Reeves**

*Post-England Maryland: A New Aristocracy Consolidates Power*

**Luke Vesely**

*Spanish Involvement in the American Revolution*

**Sara Wilfong**

*The Southern Ties of Independence: New Granada and Latin American Independence*

**Haley Smith**

*The American Revolution: Through the Accomplishments of the Forgotten Patriots.*

**Michael Bell**

*Analysis of the political climate in America caused by the French Revolution*

**Michelle Keady**

*America's Response to the Haitian Revolution*

**Brandon Harrell**

*The 1798 Irish Rebellion's Religious and Political Development on the Atlantic*

**Isaac Samuels**

*America and the Haitian Revolution*

**Department of English & Modern Languages Senior Seminar Panels, Prince Edward Room**

Faculty Mentor, Dr. John Miller

2:00 to 2:55 p.m.

**Bennets and Bodice Rippers: Feminism, Romance Novels, and Novels from the Romantic Period**

**Gabrielle Strealy**, *Elizabeth Bennett: Feminist Hero of Pride and Prejudice?*

**Grace Girdley**, *A Feminist Exploration of Jane Austen's Pride and Prejudice*

**Suzanne Stetson**, *Reconciling Reader Response and Feminism in Late Twentieth-Century Erotic Historical Romances*

3:05 to 4:00 p.m.

**Defying Borders and Boundaries: Race and Ethnicity in Modern American Music and Literature**

**Kiana Robinson**, *Black Pussy Power: The Reclamation of Black Female Sexuality through Music*

**Payten Bovat**, *Double Consciousness in Angie Thomas's The Hate U Give*

**Noemi Guzman**, *The Reality of the American Dream in Sandra Cisneros's House on Mango Street*

4:10 to 4:50 p.m.

**The Domestic Fear: Trauma, Violence and the Family**

**K. Austyn Mann**, *Found Family: Trauma and Cults in Ari Aster's Horror Films*

**Jared Peterson**, *A Psychoanalytic Approach to Edgar Allan Poe's 'The Tell-Tale Heart'*

5:00 to 5:55 p.m.

**New Takes on Groundbreaking Texts: Theorizing 20th-Century Landmarks of Genre**

**Evelyn Wozniak**, *Beyond the Binary: Performative Gender and Female Masculinity in Stone Butch Blues*

**Jackson Lockhart**, *Language, Societal Regression, and the Nature of Humanity in Dune (1965)*

**John Ward**, *Marxism Social Commentary in Moore and Gibbons's Watchmen*