

Fourth Annual
Winter CARD

Creative Activities and Research Days


Nov. 29-Dec. 2, 2022

RADFORD UNIVERSITY

Office of Undergraduate Research and Scholarship

radford.edu/wintercard





Welcome: It is my pleasure to welcome you to the 4th Winter Creative Activities & Research Days at Radford University. All week, there will be displays of students presenting the new knowledge they created while working closely with faculty and other students to solve wicked problems we face in society and on our planet.

We want to thank the faculty who provide these transformative experiential learning opportunities. We know the experience students get in tackling ambiguous processes and solutions transforms them well beyond learning skills in their disciplines, to include being more engaged in their workplace even decades later (Purdue Gallop Poll), developing critical thinking and communication skills which are the most desired Career Readiness skills by employers, and helping get that first job as 86% of employers indicate they are more likely to hire students who have conducted a research project with faculty.

We hope you find the students presenting this week as inspirational as we do in OURS and look forward to seeing the results of that inspiration in the years to come!

-With Highlander Pride, Dr. Joe Wirgau, Director of the Office of Undergraduate Research & Scholarship

Winter CARD Coordinators in OURS

Joe Wirgau, Director

Jennifer McDonel, Associate Director

Keishaun Williams, Administrative Assistant

Abby Hardbower, Graduate Assistant

Kate Mullins, Graduate Assistant

Cora Burt, Executive Student Assistant

Leah Ellis, Executive Student Assistant

Abbi Green, Executive Student Assistant

Grace Turman, Executive Student Assistant

The Following Individuals are Acknowledged for Their Contributions:

Jeff Aspelmeier, Chair, Department of Psychology

Ann Elliot, Director, Center for Gender Studies

Jonathan Mayer, Manager for Printing and Postal Services

Norma Riggins, Event Planning Manager, University Services

Kayla Toivonen, Graduate Assistant, Department of Psychology

About the Cover Art: The cover art is the creation of Cora Burt, a first year Visual Art major at Radford University.

The intention of my artwork is to evoke pleasant memories of winter, comfort, amity, and warmth in the viewer through the use of a simple, effective design. It was also a goal of mine to include visual elements that symbolize our university to illustrate my passion for Radford and pride as a Highlander. I am confident that the Winter CARD will be a positive experience for both undergraduate researchers and event attendees, similar to my experiences at Radford and within ARO thus far. This event provides students opportunities to exchange knowledge, express creativity, and develop academically, which further leads to success. I am quite eager to view the variety of my peers' displays, and it is inspiring to see the effort that was put into their research and presentations. I firmly believe that the projects displayed this week will demonstrate the talent and potential of Radford's undergraduate researchers, and I sincerely hope everyone enjoys the Winter CARD.



Schedule at a Glance:

Tuesday November 29th:

10th Annual Psychology & Gender Studies Research Symposium

Oral Presentations	Heth 022	4:30 pm – 6:00 pm
Poster Presentations	Heth 043	5:45 pm – 7:00 pm
<i>Sustainable Cities Poster Session</i>	Heth 043	5:45 pm – 7:00 pm

Wednesday November 30th:

<i>Art History Session 1</i>	McConnell Andrew Ross Gallery	9:00 am – 9:50 am
<i>Story Maps of Rural Sociology</i>	Hemphill Hall 3020	11:00 am – 11:50 am
<i>Art History Session 2</i>	Peters Hall C143	11:00 am – 12:15 pm
<i>Art History Session 3</i>	McConnell Andrew Ross Gallery	2:00 pm – 2:50 pm
<i>Interdisciplinary Poster Session 1</i>	Kyle Hall 340	2:00 pm – 2:50 pm
<i>Interdisciplinary Poster Session 2</i>	Kyle Hall 340	3:00 pm – 3:50 pm
<i>Citizen-Leader Presentation</i>	Kyle Hall 163	3:00 pm – 3:50 pm

Thursday December 1st:

Research Methods in Exercise, Sport and Health Education Poster Session

Food Insecurity Poster Session

	Kyle Hall 340	8:00 am – 9:15 am
<i>Sociolinguistics Poster Session</i>	Reed Hall Artis Atrium	11:00 am – 12:15 pm
<i>Interdisciplinary Poster Session 3</i>	Kyle Hall 340	12:30 pm – 1:45 pm
<i>Art History Session 4</i>	Kyle Hall 340	2:00 pm – 2:15 pm
<i>Interdisciplinary Poster Session 4</i>	Kyle Hall 340	2:15 pm – 3:15 pm

Friday December 2nd:

Biology Oral Session

	Zoom Meeting ID: 961 9541 6029	11:00 am – 11:50 am
	Password to all Winter CARD Zoom links is: WinterCARD	
<i>Interdisciplinary Poster Session 5</i>	Reed Hall Artis Atrium	11:00 am – 11:50 am
<i>Interdisciplinary Poster Session 6</i>	Reed Hall Artis Atrium	1:00 pm – 1:50 pm

Psychology & Gender Research Symposium
Tuesday November 29th, 4:30 – 7:00 pm Heth Hall 043

The Department of Psychology's Tenth Annual Psychology and Gender Research Symposium will be held Tuesday, Nov. 29th. All graduate and undergraduate psychology student research and class projects are welcome, as well as projects from students involved in gender-related scholarship/research in any discipline.

Oral Presentations: 4:30 - 6:00 - Heth 022

Poster Presentations: 5:45 - 7:00 - Heth 043



Sustainable Cities Poster Session
Tuesday November 29th, 5:45 – 7:00 pm Heth Hall 043

Sustainable Cities: Stockholm, Sweden

Britani Albert

Jack Koger

Jannet Ortiz

Antonio Russo

Faculty Mentor(s): Sarah Foltz

Sustainable Cities: Karachi, Pakistan

Kortnie Bernard

Savannah Corbliss

Bailey Stratton

Faculty Mentor(s): Sarah Foltz

Sustainable Cities: Edmonton, Canada

Catherine Bruffy

Liliana Dailey

Miranda Fatum

Faculty Mentor(s): Sarah Foltz

Sustainable Cities: Dodoma, Tanzania

Chantel Cook

Brian Currin

Josiah Lee

Camryn Williford

Faculty Mentor(s): Sarah Foltz

Sustainable Cities: Jakarta, Indonesia

Erika Palmquist

Tina Wilbur

Faculty Mentor(s): Sarah Foltz



Art History Session 1: Breakfast with Graphic Design

Wednesday, November 30th 9:00-9:50 am in McConnell Hall, Andrew Ross Student Gallery

This is the opening reception for an installation of student artwork. Students chose a graphic designer whose work they admire and created a work of their own demonstrating the influence of that designer. Their creations will be on the wall and students will be present to discuss their work.

Presenters: Kiera Adens, Gabby Bailey, Ashlyn Bradley, Connor Bredow, Cade Carter, Sam Dent, Illiana Diaz, Mina Diaz, Nicole Edmonds, Payton Fowler, Kendall Hardaway, Elijah Hilliard, Ahna Huff, Duyen Nguyen, Kenny Nguyen, Jackie Oliver, Christopher Piper, Valerie Ray, Brittiany Rorrer, Brianna Stepp, Sarah Sutphin, Katlyn Walters

Art History Session 2: Is There an Ethics of Visual Art?

Wednesday, November 30th 11:00 am-12:15 pm in Peters Hall, C143

This is a series of student presentations. Each student has been analyzing visual art works and grappling with the topic of ethics in visual art. They have chosen works like Gattaca, Frankenstein and other artwork that can be disturbing or not and analyzed them from the perspective of ethical reasoning.

Presenters: Sarah Ayuso, Anne Cassett, Devin Cheatwood, Haylee Keck, Ja’Cavian Lomax, Joshua Thompson, Abdullateef Umaru

Story Maps of Rural Sociology

Wednesday November 30th, 11:00 – 11:50 am Hemphill Hall 3020

Story Map County Profile of Loudoun County

Katie Bellomo

Faculty Mentor(s): Aysha Bodenhamer

Spotsylvania County Virginia County Profile

Aly Carneal

Faculty Mentor(s): Aysha Bodenhamer

Mecklenburg County Storymap

Ieshia Smith

Faculty Mentor(s): Aysha Bodenhamer

A Dive Into The Statistics Of Montgomery County, Virginia

Taylor Hill

Faculty Mentor(s): Aysha Bodenhamer

Montgomery County Profile

Wyatt Burdette

Faculty Mentor(s): Aysha Bodenhamer

The Sociology of York County, VA

Nick McCumsey

Faculty Mentor(s): Aysha Bodenhamer

Title

Cynia Taylor

Faculty Mentor(s): Aysha Bodenhamer



Interdisciplinary Poster Session 1
Wednesday November 30th, 2:00 – 2:50 pm Kyle Hall 340

Ecobricks: Building a Solution to Our Plastic Addiction

Cora Burt Grace Reynolds

Faculty Mentor(s): Joe Wirgau

What's Holding Women Back? An Analysis of Efforts to Create Equity for Women in STEM

Amber Gordon Atlas Davies Madison Drees Nathan Cadle

Faculty Mentor(s): Joe Wirgau

Amber Waves of Grain: The Case Against Refined Grain Consumption

Kaitlyn Lytton Rafe Kahler Iyonna Frazier Gabrielle Bailey

Faculty Mentor(s): Joe Wirgau

Tackling The Opioid Crisis Using Cognitive Behavioral Therapy

Joshua Shimp Gabriella Stinson

Faculty Mentor(s): Joe Wirgau

WITHIN A SCREEN CAME FORM: Experimental Formatting in Poetry Writing

Javen Blankenship

Faculty Mentor(s): Louis Gallo

The Effect of Footwear on Muscle Activation During a Deadlift

Joseph Majewicz

Faculty Mentor(s): Laura Newsome

The Impact of Hand Position in the Push Up on Abdominal and Lower Back Muscle Activation

Gracie Davis

Faculty Mentor(s): David Sallee

The Effects of Foam Rolling on Force Production Prior to Vertical Jumping

Camryn McClure

Faculty Mentor(s): David Sallee

An Examination of the Impact of Ankle Fusion Surgery in a Softball Athlete

Lauren Stuart

Faculty Mentor(s): David Sallee

Assessing Stream Health: All the Fun at Connelly's Run!

Brianna Bray Bailey Stratton Kortnie Bernard Andrew Cardenas

Faculty Mentor(s): Jamie Lau



Interdisciplinary Poster Session 1
Wednesday November 30th, 2:00 – 2:50 pm Kyle Hall 340

How Might We Make Food More Accessible and Affordable

Marc Dugas

Faculty Mentor(s): Jane Machin

Qualified Opinions and Stock Prices

Jonathan Infantolino

Faculty Mentor(s): Yiwen Li

The Impact of Aphasia on Mental Health and Well-being: A Health Humanities Workshop

Delany Loonam

Faculty Mentor(s): Amy Rubens

The Current State of Abortion in Virginia

Bethany Pearsall

Abigail Stuckey

Salle Zewde

Faculty Mentor(s): Joe Wirgau

What's Behind the Mask: Early Impacts from Two Years of Masking

Morgan Shorrt

Dylan Graman

Christian Smith

Faculty Mentor(s): Joe Wirgau

Jeeppers Creekers!: A Stream Assessment Of Tom's Creek In Blacksburg, Virginia

Elise Simmons

Josiah Lee

Brian Currin

Kendra Cattanch

Faculty Mentor(s): Jamie Lau

How Deep Was the Water!? - Stream Assessment of Crab Creek

Kiersten Smith

Elizabeth Smith

Bianca Plowman

Emma Hendrix

Faculty Mentor(s): Jamie Lau

Combining Biology and Psychology as an Undergraduate: My On-campus Internship in the Behavioral and Cognitive Neuroscience Lab

Katie Wheeler

Faculty Mentor(s): Karen Powers

Dayna Hayes

Art History Session 3: Exploration of African Arts

Wednesday, November 30th 2:00-3:00 pm McConnell Hall, Andrew Ross Student Gallery

This is the opening reception for an installation of student artwork. Each student has recreated an African work and explored the context for that work, how it is used, and what it means to the culture where it exists.

Presenters: Ayiana Adkins, Jacy Brown, Mary Burnette, Raeven Harris, Irene Johnson, Jacob Petty, Heidi Pinnix, Sarah Rose, Heidi Ruiz Lopez, Evander Wade, Maegan Yates

Interdisciplinary Poster Session 2
Wednesday November 30th, 3:00 – 3:50 pm Kyle Hall 340

A Comparative Study: Drug Law and Policy in the United States and the Netherlands

Katie Oliver

Faculty Mentor(s): Riane Bolin

Research on the Effect of the Fear of Missing Out and Smartphone Use in Young Adults

Madison Mays

Faculty Mentor(s): Jason Watson

Dobbs v. Jackson Supreme Court Case

Victoria Dean Jason Snoexay Zoe Higley Leah Shumate Deon Cooper

Faculty Mentor(s): Lori Elis

The Impact of Ankle Taping on Preactivation in the Quadriceps and Hamstrings

Jacqueline Dorsey

Faculty Mentor(s): David Sallee

Impact of Ankle Taping on Torque in the Lower Extremity

Makayla Felts

Faculty Mentor(s): David Sallee

Case Study Investigation Hip Lateral Rotation in Gait

Kara Gray

Faculty Mentor(s): David Sallee

How Does Kinesiology Tape Affect Muscle Activation in the Shoulder?

Caitlin Hampton

Faculty Mentor(s): David Sallee

The Impact of the Supreme Court Decision Castle Rock v. Gonzales

Isabelle Mazariego

Maridel Samson

Chandler Heiser

Jessica Martinez

Michelle Cabrera

Annessah Ballou

Faculty Mentor(s): Lori Elis

New York State Rifle & Pistol Association, Inc., et al. v. Bruen, Superintendent of New York State Police, et al.

Will Reagan

Bryce Degrood

Nate Shaffer


Faculty Mentor(s): Lori Ellis

Citizen-Leader Presentation
Wednesday November 30th, 3:00 – 3:50 pm Kyle Hall 163

Citizen Leader Presentation through the Eyes of a Nursing Student

Alyssa Meier

Faculty Mentor(s): Jean Mistele



Research Methods in Exercise, Sport and Health Education Poster Session
Thursday December 1st, 8:00 – 9:15 am Kyle Hall 340

Does Exercise Impact Quality of Life in People with Diabetes?

Marcus Bowen

Faculty Mentor(s): Melissa Grim

Does Protective Equipment Decrease the Rate of Concussions?

Jass Brown

Faculty Mentor(s): Melissa Grim

Impact of Different Exercise Programs on Pain and Functional Abilities in Those with Knee Osteoarthritis

Brandi Clemons

Faculty Mentor(s): Melissa Grim

The Effectiveness of Manual Versus Neural Treatments for Plantar Fasciitis

Katie Davison

Faculty Mentor(s): Melissa Grim

The Impact of a Prevention Program for Adolescents in Rural Areas for Decrease in Vape Use

Sierra Davis-Sparks

Faculty Mentor(s): Melissa Grim

Impact of Aquatic Therapy on Behavioral and Psychological Symptoms in Dementia Patients

Jacqueline Dorsey

Faculty Mentor(s): Melissa Grim

Impact Of Aerobic Exercise Program Versus Combined Exercise Program On Symptoms And Quality Of Life In Lung Cancer Patients

Makayla Felts

Faculty Mentor(s): Melissa Grim

The Impact Of A Young-Adult-Led Type 2 Diabetes Program On The Quality Of Life Of African American Females

Summer Flood

Faculty Mentor(s): Melissa Grim

Impact of Early Occupational Therapy Intervention for Patients Diagnosed with Early Parkinson's Disease


Caitlin Hampton

Faculty Mentor(s): Melissa Grim

Football Concussions And Spinal Cord Injuries

Denisha Hoosier

Faculty Mentor(s): Melissa Grim



Research Methods in Exercise, Sport and Health Education Poster Session
Thursday December 1st, 8:00 – 9:15 am Kyle Hall 340

The Impact Of Exercise On Preventing Rotator Cuff Injuries In The Geriatric Population

Claire Martin

Faculty Mentor(s): Melissa Grim

The Impact of Hand-Strengthening Exercises on Handwriting Legibility in Children with Handwriting Difficulties

Camryn McClure

Faculty Mentor(s): Melissa Grim

Guillain-Barre Syndrome: A Deeper Understanding of the Etiology

Skyler Petty

Faculty Mentor(s): Melissa Grim

Consumption Of Whey Protein or Chicken Jerky Post Exercise Promotes Faster Muscle Growth In Deconditioned College Students

Savannah Schmude

Faculty Mentor(s): Melissa Grim

Case Study of Major And Minor League Baseball Pitchers' Rate Of Return After Recovering From UCL Reconstruction Surgery

Emma Skerman

Faculty Mentor(s): Melissa Grim

An Investigation of Concussion Protocols and Concussion Symptoms Prior to Return to Play in NFL Players

Trace Shepherd

Faculty Mentor(s): Melissa Grim



Food Insecurity Poster Session

Thursday December 1st, 8:00 – 9:15 am Kyle Hall 340

Food Insecurity From a Highlander's Perspective

Shailis Joplin

Maia Grove

Neil Bowman

Aly Carneal

Faculty Mentor(s): Allison Wisecup

Are Radford Students Hungry?

Abigail Mills

Lauren Shapiro

Nicole Valyear

Luke VonGoedert

Faculty Mentor(s): Allison Wisecup

Highlander's Pantry Attack on Food Insecurity

Jackson Allen

Nick McCumsey

Amberly Lagedrost

Taylor Hill

Faculty Mentor(s): Allison Wisecup

Addressing Food Insecurity and Resources to Aid Hunger

Jamar Banks

Britney White

Sarah Dispanet

Devante Mosley

Faculty Mentor(s): Allison Wisecup

Sociolinguistics Poster Session

Thursday December 1st, 11:00 am – 12:15 pm Reed Hall Artis Atrium

Sociolinguistics and the Ainu

Alexis Adams

Faculty Mentor(s): Megan Elder-Taylor

Sociolinguistic Differences of Chinese: Mandarin vs Cantonese

Jackson Adcock

Faculty Mentor(s): Megan Elder-Taylor

Disaster and Change in the Sociolinguistics of New Orleans

Kendra Bolen

Faculty Mentor(s): Megan Elder-Taylor

Holler Healthcare: A Look into Socioeconomics and the Appalachian Dialect

Hannah Christensen

Faculty Mentor(s): Megan Elder-Taylor

The Link Between Language and Ethnicity

Kemper Darby

Faculty Mentor(s): Megan Elder-Taylor



Sociolinguistics Poster Session, cont.
Thursday December 1st, 11:00 am – 12:15 pm Reed Hall Artis Atrium

"The Queen's English": Sociolinguistic Patterns of Received Pronunciation

Sarah Klein

Faculty Mentor(s): Megan Elder-Taylor

Which One Sounds Classy: " Je m'appelle or Non mwen se? ": Attitudes Towards Haitian Kreyol vs. French

Leila Ledoux

Faculty Mentor(s): Megan Elder- Taylor

Mirame, I Can Speak Dos Idiomas Como Others: Code-Switching between Spanish and English among Children in School Settings

Heidi Ruiz-Lopez

Faculty Mentor(s): Megan Elder-Taylor

Got Some Bird Lime?: An Introduction to London's Cockney English

Matthias Todd

Faculty Mentor(s): Megan Elder-Taylor

Interdisciplinary Poster Session 3
Thursday December 1st, 12:30 – 1:45 pm Kyle Hall 340

The Impact of Unstable Surfaces on Abdominal Muscle Activation

Kelsey Moseley

Faculty Mentor(s): David Sallee

The Differences Between the Gastrocnemius and Soleus While Walking with Shoes on and Shoes off

Kate Strong

Faculty Mentor(s): David Sallee

The Impact of Pelvic Tilt on Pronation and Supination

Kennedy Thomas

Faculty Mentor(s): David Sallee

Attitudinal Information on the Trend of Women Working After Marriage and Before Kids

Grace Bondurant

Kaitlynn Dean

Faculty Mentor(s): Alison Wisecup

The First Leg: Relating Morphological Differences in Garden Spiders (*Argiope*) Based on Proximity to Water

Aidan Bridge

Michael Brown

Chad Matthews

Tony Davis

Faculty Mentor(s): Jamie Lau



Interdisciplinary Poster Session 3
Thursday December 1st, 12:30 – 1:45 pm Kyle Hall 340

The Historical Trends of the Belief That African Americans Do Not Have Enough Willpower to Pull Themselves Out of Poverty

Raniya Bright Avery Howell

Faculty Mentor(s): Dr. Allison Wisecup

The Water Chemistry of Connelly's Run Before and After Hurricane Ian

Lucy Cooper Olivia Smith Johniece Jones Emily Love Armana Lulu

Faculty Mentor(s): Jamie Lau

Historical Trends in Acceptance of Premarital Sex Across Various Demographics

Griffin Davis Caitlin Myers

Faculty Mentor(s): Allison Wisecup

A Sociological Analysis of Historical Trends of the Belief that Men are Better Suited for Politics

Emma Duncan Lukas Hulan

Faculty Mentor(s): Allison Wisecup

The Historical Trends and Attitudes of Those in Favor of Same Sex Marriage

Hannah Foster Skyler Bailey

Faculty Mentor(s): Allison Wisecup

Historical Variation in Attitudes about Abortion Resulting from Rape

Jessica Handy Davis Smith-Corbin

Faculty Mentor(s): Allison Wisecup

Attitudes about Single Parents Raising Children vs. Two Parents Raising Children

Olivia Hunter Jenny Brisendine

Faculty Mentor(s): Allison Wisecup

Comparing Tree Cores of *Liriodendron tulipifera* with Historical Precipitation Values in Radford City

Madeline Kemp Jady Noel Marley Krach Maci Rhoades

Faculty Mentor(s): Jamie Lau

Historical Trends In Attitudes About Marijuana Legalization

Maria Massana Matthew Gary

Faculty Mentor(s): Allison Wisecup

Variations in Attitudes about Allowing a Racist to Become a Professor

Kayla Morin Michael Singer

Faculty Mentor(s): Allison Wisecup

Trends in Attitudes in the Effectiveness of Single-Parenting

Ella Selfe Amelia Terry

Faculty Mentor(s): Allison Wisecup

Art History Session 4: Lecture and Performance
Thursday December 1st, 2:00 – 2:15 pm Kyle Hall 340

Questioning a Folio from a Medieval Manuscript

Sarah Ayuso Anne Cassett Cierra Bird
Faculty Mentor(s): Carlee Bradbury David Zuschin

Interdisciplinary Poster Session 4
Thursday December 1st, 2:15 – 3:15 pm Kyle Hall 340

Trends in American Attitudes Towards Welfare Spending

Matthew Spitz Amir Watts Iverson Thomas Connor Webber
Faculty Mentor(s): Allison Wisecup

Trends in Support of Legalization of Marijuana by Sex, Race, Class, and Education

Kaylee Mundy Nicholas Robertson Amber Grow Taylor Austin
Faculty Mentor(s): Allison Wisecup

Trends in the Attribution of Racial Inequality to Discrimination

Keiko Klisiewicz Damion Jones Beck Monachello Assie Bunduka
Faculty Mentor(s): Allison Wisecup

Trends in Support for Abortions

Jaliya Moore Emily Midkiff Meredith Lawson Angela Nguyen
Faculty Mentor(s): Allison Wisecup

Trends in Confidence in Television or Media Companies

Mariana Fernandez Elizabeth Singleton Jacquelyn Thomas
Faculty Mentor(s): Allison Wisecup

Trends in Negative Attitudes Towards Single Parent Households

Carrie Broughman Zoria Hinton Jason Neise
Faculty Mentor(s): Allison Wisecup

Trends in Support of Same-Sex Relationships

Hayley Bare Macy Price Max Rodriguez Rachel LaFrancois
Faculty Mentor(s): Allison Wisecup

Trends In Positive Views of Women Politicians

Davis Kersey Taylor Murach Autumn Dillow Aspen Ramsey
Faculty Mentor(s): Allison Wisecup

World War II: Letters Home

Addison Groth Elizabeth Webb Madison Cornell
Faculty Mentor(s): Sharon Roger Hepburn



Interdisciplinary Poster Session 4
Thursday December 1st, 2:15 – 3:15 pm Kyle Hall 340

Resource Information for Domestic Violence Survivors

Kristen Cadden

Faculty Mentor(s): Eric Snow

Negating The Three Strike Rule With Rehabilitation

Kayla Dillemath

Faculty Mentor(s): Eric Snow

Legalization of Marijuana in Virginia Policy

Collin Lawson

Faculty Mentor(s): Eric Snow

State Taxation of Marijuana

Drew McGee

Faculty Mentor(s): Eric Snow

Mental Health Co-responder Policy

Kaitlyn Sisk

Faculty Mentor(s): Eric Snow

Death Penalty

Dylan Updike

Faculty Mentor(s): Eric Snow

Police Corresponder Programs for Mentally Ill Offenders

Megan Weir

Faculty Mentor(s): Eric Snow

Avoiding Recidivism

Lynette Argueta

Faculty Mentor(s): Eric Snow

Investigating Common Diagnoses at an Animal Clinic

Hailee Shifflett

Faculty Mentor(s): Karen Powers

The Impact of Overcrowding on the Tourist Experience

Nicole Hankins

Faculty Mentor(s): Anita Zatori

Changing the RICO Act

Bryan Carr

Faculty Mentor(s): Eric Snow

Child Abuse: Co-Parenting

Kera Ford

Faculty Mentor(s): Eric Snow

Canadian Geese Management

Preston Martin

Faculty Mentor(s): Eric Snow

Law Enforcement Phone Policy

Bryce Owens

Faculty Mentor(s): Eric Snow

New Drug Courts Policy

Caroline Thompson

Faculty Mentor(s): Eric Snow

Preventing Wrongful Convictions

Mary Wellman

Faculty Mentor(s): Eric Snow

Decreasing Recidivism Rates

Christe Williams

Faculty Mentor(s): Eric Snow

How Gun Laws Affect Suicide Rates by Gun

Brandon Brokaw

Faculty Mentor(s): Eric Snow

Safety and Security Concerns at Music Festivals

Jazmia Glasgow

Faculty Mentor(s): Anita Zatori



Interdisciplinary Poster Session 4
Thursday December 1st, 2:15 – 3:15 pm Kyle Hall 340

Trends In Agreement To Cohabitation Before Marriage

Alivia Turner Britney Morfo Paige Huntington

Faculty Mentor(s): Allison Wisecup

Reducing Mass Incarceration by Implementing House Arrest for Nonviolent and First-Time Offenders

Briana Hubbard

Faculty Mentor(s): Eric Snow

Muscle Activation of the Overhand/Underhand Throw in the Right Arm

Doriann Hicks

Faculty Mentor(s): David Sallee

The Impact of Relaxation Therapy on Emotional Exhaustion Associated with Burnout in Emergency Room Physicians

Rachel Bird Gracie Davis Jordan Logan Virginia Ozolins Richard Flemming

Faculty Mentor(s): David Brock

The Impact of Radiofrequency Ablation on Opioid Use in Patients with Musculoskeletal Pain in the Neck and Back

Chris Maree Makenzie Reno MegAnne Gilmore Ilana Tall

Faculty Mentor(s): David Brock

A 6-Week Public Health Education Program to Address the Prevalence of Vaping in Radford University Students: A Pilot Study

Taylor Smoot Kaya Easley Dhara Seminario Jada Andrew

Faculty Mentor(s): David Brock

The Impact of the FDA Black Box Warning on Fluoroquinolone Prescription Rates in a Southwestern Virginia Medical Practice

Lauren Stuart Kate Strong Jayden White Brad Norford

Faculty Mentor(s): David Brock

The Inclusion of Physical Therapists and Occupational Therapists in the Acute Treatment of Anorexia Nervosa and Recidivism Rates During Long-Term Follow-up

Brittany Charon Mackenzie Gardner Kara Gray Abigail Shiflett

Faculty Mentor(s): David Brock

Assessing Sleep Quality in a Convenience Sample of Female Collegiate Soccer Athletes: A Pilot Study

Kristen Chick

Faculty Mentor(s): David Brock



Biology Oral Session

Friday December 2nd, 11:00 – 11:50 am Zoom Meeting ID: 961 9541 6029 Password: WinterCARD

Understanding the Molecular Tools to Study the Insect Gut Microbiome

Thomas Ausburne Willow Lehrer Kathleen Linsenman Lauren Luther
Kaylin Young Kaung Lin

Faculty Mentor(s): Chet Bhatta

The Comparison of Pollen Samples from Two Species

Abigail Holbrook Sydney Underwood Payton Poindexter Kathryn Saunders
Kaung Lin

Faculty Mentor(s): Chet Bhatta

Insect Community Assemblage in Roanoke City

Christian Housh Anida Sejtanic Victoria Stevens Kyle Chen
Victor Rodriguez Kaung Lin

Faculty Mentor(s): Chet Bhatta

Exploring Bee Taxonomy: Utilizing Family and Genus Level Keys

Tiannah Shifflett Mikeyia Brown Dakota Hurst Megan Crigger
Kinzie Blankenship Kaung Lin

Faculty Mentor(s): Chet Bhatta

Interdisciplinary Poster Session 5

Friday December 2nd, 11:00 – 11:50 am Reed Hall Artis Atrium

Investigating a Role for the CYP4F2 Enzyme in Hepatic Insulin Resistance

Duha Alshami Lamis Behaire

Faculty Mentor(s): Peter Christmas

Comparing Arthropod Diversity Among Different Levels of Urbanization, Radford City, VA, Autumn 2022

Keiko Klisiewicz Andrew Thorne Duane Finnie Temuri Mtvralashvili Nina Becksted

Faculty Mentor(s): Jamie Lau

It's Raining Cats And Dogs

Lauren Printz

Faculty Mentor(s): Karen Powers

Do Anthropogenic Impacts Affect Soil Content In Radford City?

Miranda Wolfe Brooke Lampert Jenelle Aryee Jochebed Ntiamoah Elias Vance

Faculty Mentor(s): Jamie Lau

New Data from Selu Observatory

Nick Terehoff Dustin Kirby Kaleb Martin Will Nape
Jenna Petty Eniko Szabad Sam Williams

Faculty Mentor(s): Sandra Liss



Interdisciplinary Poster Session 5
Friday December 2nd, 11:00 – 11:50 am Reed Hall Artis Atrium

RU TERRA Project - Thermal Energy Radiation Reflection with Arduinos

Jonathon Halferty	Julia Buccola	Dom Del Grosso	Jared Hobbs
Bryan Lagunas	Kaleb Martin	Gene McGough	Will Nape
Bryce Pappas	Jenna Petty	Nick Terehoff	

Faculty Mentor(s): Rhett Herman

Promoting Green Labs at Radford University

Emmalyn Brown	Miranda Brewster	Elizabeth Cox
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Faculty Mentor(s): Stockton Maxwell

The Future is Composting

Madison Canterbury	Danielle Hunter	Camden McGookin
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Faculty Mentor(s): Stockton Maxwell

Green Gardens

Alyssa Estell	Sareena Sergent	Nora Mills
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Faculty Mentor(s): Stockton Maxwell

Who's Hungry?: Food Recovery on Campus

Stefani Stauffacher	Whitley Manns	Luc White
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Faculty Mentor(s): Stockton Maxwell

Green Energy Initiatives at Radford University

Evan Wood	Anthony Cobbs
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Faculty Mentor(s): Stockton Maxwell

Miami-Dade County Socio-Economic Coastal Flood Analysis

Randall Bohnert

Faculty Mentor(s): Stockton Maxwell

Interdisciplinary Poster Session 6
Friday December 2nd, 1:00 – 1:50 pm Reed Hall Artis Atrium

Functional Genomic Assays of the Bacteriophage Tortellini

Emily Anderson	Savannah Corbliss	Cassandra Hash	Rebecca Kravchick
Taylor May	Gabi Richards	Kiana Sterns	Bailey Stratton
Keyvanta Watson			

Faculty Mentor(s): Tara Pelletier

Proximity between captive male Grey Mouse Lemurs

Catherine Bruffy	Patrick McKenney	Aalyssa Litts
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Faculty Mentor(s): Cassdy Urista

Interdisciplinary Poster Session 6
Friday December 2nd, 1:00 – 1:50 pm Reed Hall Artis Atrium

RU TERRA Project - Thermal Energy Radiation Reflection with Arduinos

Jonathon Halferty	Julia Buccola	Dom Del Grosso	Jared Hobbs
Bryan Lagunas	Kaleb Martin	Gene McGough	Will Nape
Bryce Pappas	Jenna Petty	Nick Terehoff	

Faculty Mentor(s): Rhett Herman

Captive Grey Mouse Lemur Group Orientation

Leila Hamze	Tessa Vigilante	Keasia Clark
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Faculty Mentor(s): Cassady Urista

Do the Girls Get Along? An Observational Study of Female to Female Interactions in the Chimpanzee Enclosure at the Asheville Zoo.

Antonio Russo	Kiana Sterns	Conner McCollum
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Faculty Mentor(s): Cassady Urista

New Data from Selu Observatory

Nick Terehoff	Dustin Kirby	Kaleb Martin	Will Nape
Jenna Petty	Eniko Szabad	Sam Williams	

Faculty Mentor(s): Sandra Liss

Coming of Age in the Gorilla Exhibit

Thrasher Whitehurst	Andrea Beverley	David Brown	Triston Perry
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Faculty Mentor(s): Cassady Urista

Baseline Imagery for Wetland and Meadow Development at a Former Landfill Site

Garrett O'Hara	Bryce Blake
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Faculty Mentor(s): Ryan Sincavage Chelsea Peters

Comparison of Diabase via Thin Section from Nelson County, VA

Victoria Ralph

Faculty Mentor(s): Elizabeth McClellan

The Site of Gac in Poland

Zofia Witkowski

Faculty Mentor(s): Cassidy Urista

Excavation of a Roman Villa in Dacia'

Sarah Mullis

Faculty Mentor(s): Jake Fox

See you next year!

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