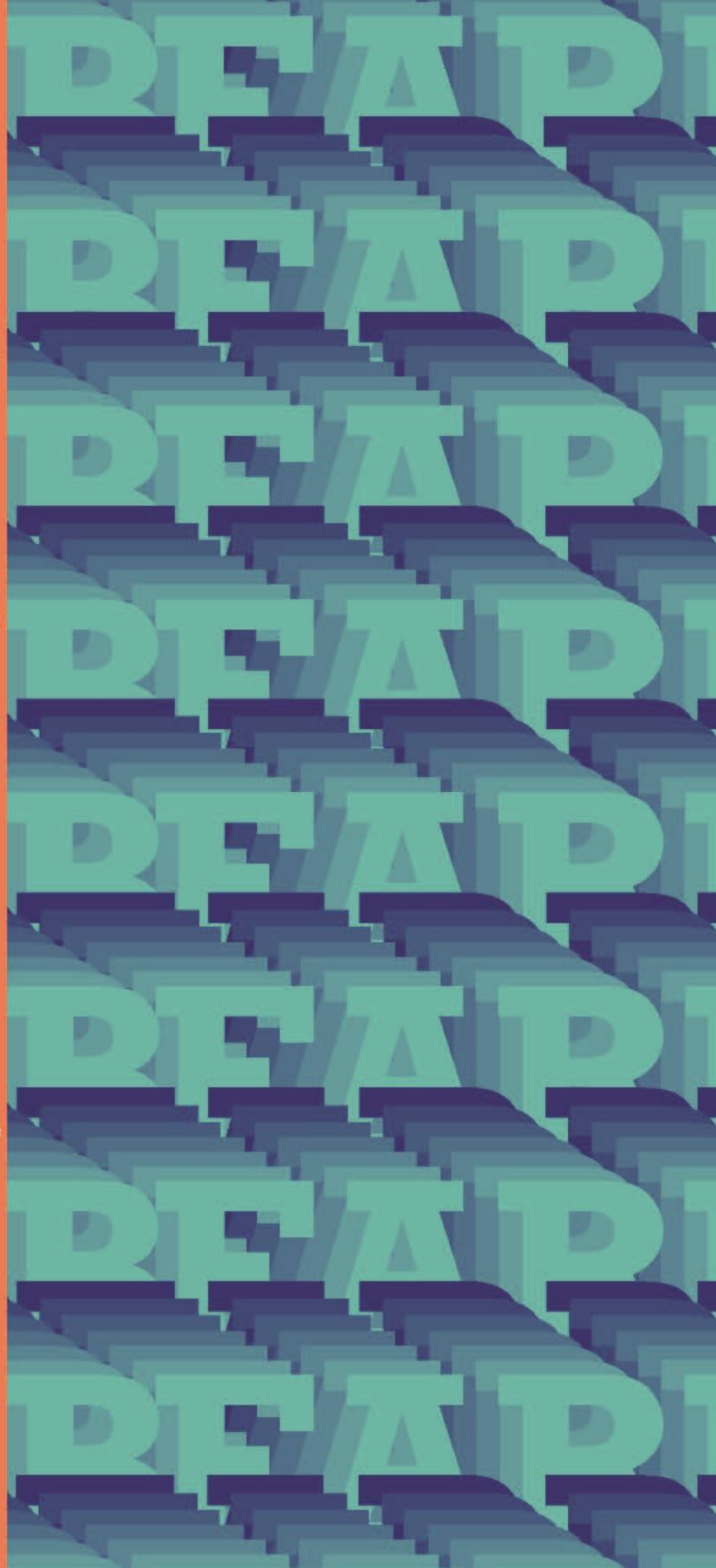


10th Annual

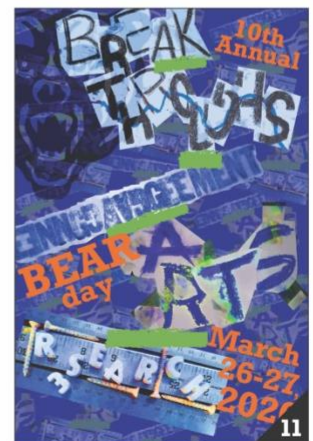
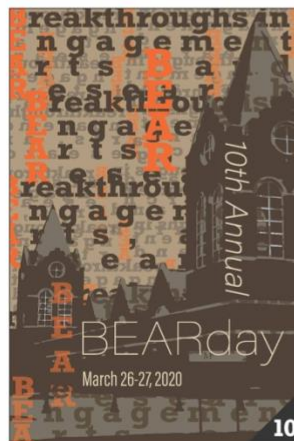
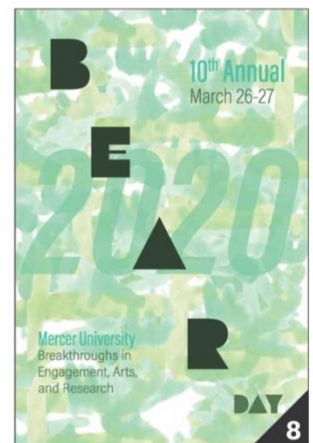
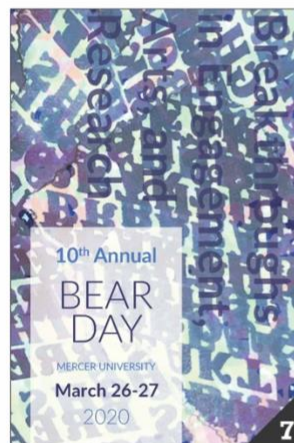
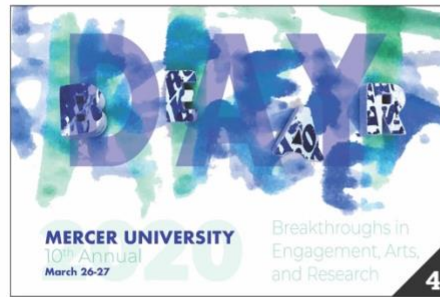
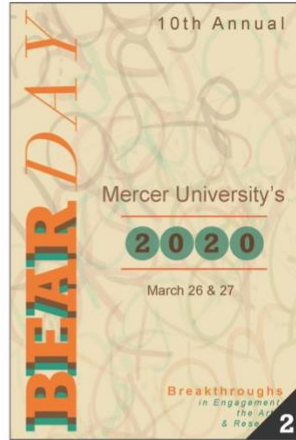
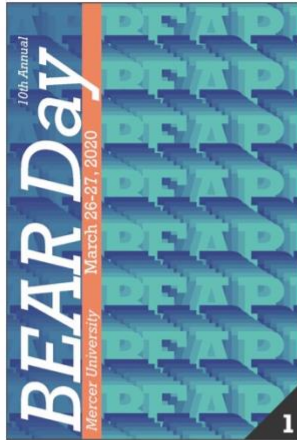
BEAR DAY

March 26-27, 2020

Mercer University



The 2020 BEAR Day postcards and posters have been printed in a limited edition of 11 distinct designs, selected from Professor Tennille Shuster's ART 342 Typography II class. Be sure to collect them all!



Designed by

Cat Hicks-Anderson - 1 & 6 • Amanda Schwartz - 2 • Emily Stradling - 3 & 9 • Alexandra Frink - 4, 7 & 8 • Lydreyah Simmons - 5, 10 & 11

Career and Professional Development Week

→ March 23-28 ←

Monday March 23	Workshop: The Skill of Simple Networking Macon Campus GSC 103 4pm Must register in Handshake and attend to receive ebook Professional Headshot Photos (LinkedIn, Handshake, etc.) Atlanta Campus Trustees Dining Room 12:00-1:30pm	 
Tuesday March 24	Workshop and Webinar: Grad School 101 Macon Campus GSC 102 4pm Also offered virtually http://bit.ly/GradSchool101MU <small>link is case sensitive ↴</small> Career Questions Virtual Drop-In Hours 10-12 and 1-3pm Link: http://bit.ly/virtualofficeMU	 
Wednesday March 25	Webinar: Etiquette for Workplace Emails Virtual 1pm Link to register: http://bit.ly/businessetiquetteMU <small>link is case sensitive ↴</small> Etiquette Dinner Macon Campus Presidents Dining Room 5:30pm Must register in Handshake	 
Thursday March 26	Webinar: Applying to Grad School Virtual 1pm Link to register: http://bit.ly/applyingtogradschoolMU <small>link is case sensitive ↴</small> Workshop: Deciding on Professional School Targets Macon Campus GSC 103 4pm Professional Profile Photos (LinkedIn, Handshake, etc.) Macon Campus 3:30-6:30pm UC Intramural Courts Henry County Center 5-7pm Douglas County Center 5-7pm	  
Friday March 27	Workshop and Webinar: Keys to a Successful Job Search Henry County Center 3pm Link to register: http://bit.ly/JobSearchMU <small>link is case sensitive ↴</small> Atlanta Tech Village ChowDown + Walking Tour Atlanta Tech Village is a startup hub in Atlanta 12:00-2pm Must register in Handshake	 
Saturday March 28	Professional Headshot Photos (LinkedIn, Handshake, etc.) Atlanta Campus AACC 2nd Floor 10:30am-12:30pm	

Attend events based on your availability, not campus affiliation. All events are free.

For more details on all of these events go to
career.mercer.edu or mercervoinhandshake.com

#connecttoyourfuture



MERCER
UNIVERSITY

SCHOOL OF MUSIC

Theatrical Inconveniences or

Viva la Mamma!

Directed by Martha Malone
March 26-28 at 7:30 PM
March 29 at 3:30 PM

Mercer University Opera
Neva Langley Fickling Hall

Tickets \$15 or FREE with Mercer
or any valid student ID



A CAREER AND PROFESSIONAL
DEVELOPMENT WEEK EVENT



Professional Profile Photos

Stop by to have a professional photo taken to update your profile picture on LinkedIn, Handshake and other online platforms.
Helpful reminder: dress in clothes that are considered business professional for your discipline.

THURSDAY, MARCH 26

3:30-6:30PM

INTRAMURAL COURTS - UNIVERSITY CENTER



#connecttoyourfuture

FIELD DAY

*MARCH 25TH @ 7PM
AT IM GYM COURTS*

**MERCER
RELAY FOR LIFE**

PUT TOGETHER A TEAM OF SIX & COMPETE IN
A SERIES OF FUN RELAY RACES FOR A PRIZE!
TEAM REGISTRATION FEE \$18 (\$3 PER PERSON)



SCAN ME

**PROCEEDS BENEFIT
THE AMERICAN CANCER SOCIETY**
TSHIRTS WILL BE SOLD

Welcome to the 10th Annual BEAR Day Celebration!

Greetings, and welcome to the 10th annual Breakthroughs in Engagement, the Arts and Research (BEAR) Day and Engineering Expo Day celebration! This year, we once again showcase outstanding undergraduate student research and special projects. BEAR Day includes oral presentations, poster sessions, musical presentations and art show exhibits. The program this year has over 280 oral and poster presentations, with contributions from over 400 students. At the same time, Engineering Expo Day events feature poster presentations on senior design projects and the annual Freshman Design Competition in the University Center arena, with over 300 students participating and presenting in the Engineering Expo program events.

The keynote speaker for BEAR Day 2020 is Lynn Pasquerella, Ph.D. Dr. Pasquerella is participating in BEAR Day events as part of the third annual Malcolm Lester Phi Beta Kappa Lectures on Liberal Arts and Public Life. Dr. Pasquerella is the current president of both the Association of American Colleges and Universities (AAC&U) and the Phi Beta Kappa Society. Dr. Pasquerella is a philosopher by training, earning degrees from Quinebaug Valley Community College, Mount Holyoke College and Brown University. She has spent her career ensuring access to a quality liberal education for all students, and is recognized as one of the most prominent and forceful advocates for liberal arts in higher education today. She has received honorary doctorates from Elizabethtown College, Bishop's University, the University of Hartford, the University of South Florida and the University of Rhode Island. While at Mercer, she will present three lectures on the theme "What We Value" on Thursday and Friday of Bear day. We encourage all to attend!



I know you will enjoy all of the presentations and trust that BEAR Day will spark your own intellectual curiosity and inspire further scholarly pursuits.

Sincerely, Wayne C. Glasgow, Ph.D.
Senior Vice Provost for Research

Malcolm Lester Phi Beta Kappa Lectures on Liberal Arts and Public Life

“What We Value”

Dr. Lynn Pasquerella

Mercer University welcomes Dr. Lynn Pasquerella to give the 2020 Malcolm Lester Phi Beta Kappa Lectures on Liberal Arts and Public Life. Dr. Pasquerella will present three lectures on the theme “What We Value” during BEAR Day. Dr. Pasquerella’s opening lecture, “Moral Distress and the Concept of Death as Un-American,” will take place March 26 at 11 a.m., followed by “On Snowflakes, Chilly Climates, and Shouting to be Heard: Weathering Campus Storms” at 6 p.m. The series will conclude with “Educating for Democracy in a Post-Truth Era” March 27 at 11 a.m. All talks will be located in the President’s Dining Room in the University Center.

Dr. Pasquerella is a graduate of Quinebaug Valley Community College, Mount Holyoke College and Brown University, where she earned her Ph.D. in philosophy. She has spent her career ensuring access to a quality liberal education for all students, and is recognized as one of the most influential advocates for liberal arts education in the United States. Dr. Pasquerella has served as provost of the University of Hartford, president of Mount Holyoke College and a member of numerous advisory boards. She has written many publications on medical ethics, metaphysics, public policy and philosophy of law. She has received honorary doctorates from Elizabethtown College, Bishop’s University, the University of Hartford, the University of South Florida and the University of Rhode Island. Dr. Pasquerella is currently the president of both the Association of American Colleges and Universities (AAC&U) and of Phi Beta Kappa Society. In 2019, she was named one of America’s Top 35 Women in Higher Education by *Diverse: Issues in Higher Education*.



The PHI BETA KAPPA *Society*

THE NATION’S OLDEST ACADEMIC HONOR SOCIETY

— Founded December 5, 1776 —

BEAR Day Moderators

This year we received a tremendous amount of support from faculty members across campus who volunteered to moderate Oral Presentation sections. ***We thank all faculty that submitted requests to moderate sections***, including those below who are moderating sessions throughout the day!

Moderator	Session	Time	Room
Arash Afshar	General Papers in Engineering and Material Science	2:00 PM - 3:20 PM	GSC 210
Alana Alvarez	Public Health and Health Studies	1:00-2:40	GSC 220
Kristen Bailey	Human and Environmental Rights	1:00 PM - 2:40 PM	WSC 156
Jay Black	Symposium: 2020 Presidential Primaries, the Media, and Communication	9:00 AM - 11:40 AM	WSC 155
Thomas Bullington	Arts, Humanities, and Languages: Literature	10:00 AM - 11:00 AM	GSC 220
Craig Byron	General Papers in the Natural, Physical, and Biomedical Sciences	9:00 AM - 10:00 AM	GSC 103
Susan Canon	General Papers in Education	10:00 AM - 11:00 AM	WSC 156
Kevin Cummings	Symposium: 2020 Presidential Primaries, the Media, and Communication	9:00 AM - 11:40 AM	WSC 155
Jeff Denny	General Papers in the Natural, Physical, and Biomedical Sciences	1:00 PM- 2:00 PM	GSC 103
Abigail Dowling	Arts, Humanities and Languages: History	11:00 AM-Noon	GSC 220
Darlene Flaming	General Papers in Journalism and Communication Studies	9:00 AM - 9:40 AM	WSC 156
Jonathan Glance	Arts, Humanities, and Languages: Literature	9:00 AM - 10:00 AM	GSC 220
Derek Glasgow	General Papers in Social Science	10:00 AM-11:00 AM	GSC 450
Robert Good	Arts, Humanities and Languages: History	10:00 AM - 11:00 AM	GSC 220
David Goode	General Papers in the Natural, Physical, and Biomedical Sciences	2:00 PM-2:40	GSC 103

Chris Grant	Symposium: 2020 Presidential Primaries, the Media, and Communication	9:00 AM - 11:40 AM	WSC 155
Anita Gustafson	Arts, Humanities and Languages: History	9:00 AM - 10:00 AM	GSC 220
Matthew Harper	Arts, Humanities and Languages: History	1:00 PM - 2:20 PM	GSC 220
Lori Johnson	Symposium: Public Policy Analysis and Recommendations	9:00 AM - Noon; 1:00 PM - 1:30 PM	GSC 210
Riku Kawaguchi	General Papers in Social Science	11:00 AM-11:40 AM	GSC 450
Joseph Keene	General Papers in the Natural, Physical, and Biomedical Sciences	10:00 AM - 11:40 AM	GSC 103
Achim Kopp	Arts, Humanities and Languages: Classical and Modern Languages	9:00 AM - 9:40 AM	WSC 103
Scot Mann	Arts, Humanities and Languages: Film and Theater	11:00 AM - Noon	WSC 103
Gregory McAmis	General Papers in Business	10:00 AM-Noon	WSC 305
Clara Mengolini	General Papers in Business	1:00 PM-1:40 PM	WSC 305
Geoffrey Ngene	General Papers in Business	9:00 AM - 10:00 AM	WSC 305
Amy Nichols-Belo	Symposium on Integrating Service and Scholarship: Mercer Service Scholars Senior Projects	1:00 PM - 2:40 PM	WSC 155
Fernando Palacios	Human and Environmental Rights	2:00 PM - 2:40 PM	WSC 156
Shan Ran	General Papers in Social Science	9:00 AM-10:00 AM	GSC 450
Creighton Rosental	Symposium: Senior Thesis in Philosophy	1:00 PM - 3:00 PM	GSC 450
Joanna Thomas	General Papers in Engineering and Material Science	9:00 AM - 11:00 AM; 1:00 PM - 3:00 PM	WSC 104
Joanna Thomas	Symposium: Faculty-Selected Senior Design Projects in Engineering	11:00:00 AM - noon	WSC 104
Fletcher Winston	Symposium: Sociology and Criminal Justice Research	9:00 AM - Noon; 1:00 PM - 3:00 PM	GSC 232
Virginia Young	Arts, Humanities, and Languages: Women and Gender Studies	10:00 AM - 10:40 AM	WSC 103

Overview of BEAR Day 2020

Thursday March 26, 2020

“Moral Distress and the Concept of Death as Un-American”

Malcolm Lester Phi Beta Kappa Lectures

Dr. Lynn Pasquerella

President’s Dining Room, 11:00 AM - Noon

Career and Professional Development Week: Professional Profile Photos

3:30-6:30 PM, UC Intramural Courts

Poster Session

4:00-6:00 PM, UC Intramural Courts

“On Snowflakes, Chilly Climates, and Shouting to be Heard: Weathering Campus Storms”

Malcolm Lester Phi Beta Kappa Lectures

Dr. Lynn Pasquerella,

President’s Dining Room, 6:00 - 7:00 PM

“Theatrical Inconveniences -or- Viva la Mama”

Mercer University Opera

Neva Langley Fickling Hall, 7:30 PM

Overview of BEAR Day 2020

Friday March 27, 2020

Student Oral Presentations

WSC and GSC, 9:00 AM - Noon

“Educating for Democracy in a Post-Truth Era”

Malcolm Lester Phi Beta Kappa Lectures

Dr. Lynn Pasquerella

President’s Dining Room, 11:00 AM - Noon

Lunch!!!

11:00 AM-1:00 PM, On the Quad (Weather Permitting)

Student Oral Presentations

WSC and GSC, 1:00 PM - 3:30 PM

Honors Convocation

Willingham Auditorium, 4:00 PM

“Theatrical Inconveniences -or- Viva la Mama”

Mercer University Opera

Neva Langley Fickling Hall, 7:30 PM

CLICK HERE FOR
ORAL
PRESENTATIONS!

CLICK HERE FOR
POSTER
PRESENTATIONS!

SESSION SCHEDULE FOR ORAL PRESENTATIONS

(Click on Sessions to See Details!)

	9-10:00 AM	10-11:00 AM	11:00-Noon	Noon-1:00 PM	1-2:00 PM	2-3:00 PM	3-4:00 PM	4:00 PM
GSC 103				Lunch				Honors Convocation
GSC 210								
WSC 305								
WSC 104								
GSC 232								
GSC 450								
WSC 103								
GSC 220								
WSC 156								
WSC 155								
GSC 220								

	Symposium: Sociology and Criminal Justice Research	Pp 15-18
	Symposium: Faculty-Selected Senior Design Projects in Engineering	19
	General Papers in Engineering and Materials Science	20-22
	Arts, Humanities and Languages: Film and Theater	23
	General Papers in the Natural, Physical, and Biomedical Sciences	24-26
	General Papers in Social Science	27-28
	Symposium: Senior Thesis in Philosophy	29
	Arts, Humanities and Languages: Classical and Modern Languages	30
	Arts, Humanities and Languages: Women and Gender Studies	31
	General Papers in Business	32-34
	Symposium: Public Policy Analysis and Recommendations	35-37
	Arts, Humanities and Languages: History	38-40
	Symposium: 2020 Presidential Primaries, the Media, and Communication	41-42
	Symposium on Integrating Service and Scholarship: Mercer Service Scholar Senior Projects	43
	Human and Environmental Rights	44
	General Papers in Education	45
	Arts, Humanities and Languages: Literature	46
	General Papers in Journalism and Communication Studies	47
	Public Health and Health Studies	48

Symposium: Sociology and Criminal Justice Research*

Moderator: Fletcher Winston

*** Each session has 4, 15-minute talks**

GSC 232

9:00 – 10:00

Slavery is Ok as Long as They Commit a Crime First: Student Perceptions of Incarcerated Persons

*Kiki Smith**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Crying Babies are the Best Birth Control: Examining College Student Agreement with Universal Access to Birth Control

Madison Meyer; Oceana Wilcox*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

The Voices for Those Without A Voice: Factors that Influence the Development of Mercer Student's Opinions Towards Abortion

*Sara Wheeler**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Do Students Have a False Sense of Security?: Student Perceptions of Safety on Campus

*Tara Blecher**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

[RETURN TO SESSION SCHEDULE](#)

Symposium: Sociology and Criminal Justice Research

Moderator: Fletcher Winston

*** Each session has 4, 15-minute talks**

GSC 232

10:00 – 11:00

Are Dogs and Cats the Only Ones that Matter? : Examining Student Opinions on the Importance of Enforcement of Animal Abuse Laws Concerning Non-Traditional Pets.

*Christine Tortorice**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Where Can I Defend Myself?

Caleb Winters; Abigail Zoeller*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Join the Movement!: Student Likelihood of Social Activism Participation

*Margaret Kate Lemon**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Can You Bear the Dentist? How Often Mercer Students Visit the Dentist

*Tiana Phoenix**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

[RETURN TO SESSION SCHEDULE](#)

Symposium: Sociology and Criminal Justice Research

Moderator: Fletcher Winston

*** Each session has 4, 15-minute talks**

GSC 232

11:00 – noon

Nicotine Reform or Youth Epidemic?: Factors That Influence Mercer Students' Use of E-Cigarettes.

*Joshua Farmer *; Daniel Lentz*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Trick or Treat

Katie Martin; Carolina Cannon*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Address the Stress: Factors that Influence Stress Among College Students

Simone Coleman; Zephy Sims-Brignoni*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Free Money?: Analyzing College Student Perspectives of Universal Basic Income

Corresponding Student Coauthor: *Lars McColl**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: *Social Sciences*

[RETURN TO SESSION SCHEDULE](#)

Symposium: Sociology and Criminal Justice Research

Moderator: Fletcher Winston

*** Each session has 4, 15-minute talks**

GSC 232

1:00-2:00

It Doesn't Matter if You're Black or White: Factors that Influence Interracial Dating

Camille Edwards; Tyler Ward*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Stand Your Ground

Olivia Nation; Winston Gammon*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Reparations in Modern Day

*Audean Gilpin**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Running from War with Iran: Factors that Influence Student Support for Going to War

*Madison Mermelstein**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

GSC 232

2:00-3:00

If You Do the Crime, You Do the Time: Student Attitudes Towards the True Purpose of Incarceration

*Taylor Farnsworth**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Volunteer or Voluntold?: Factors that Influence Students to Volunteer

*Emily Branzell**

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: Social Sciences (Sociology)

Mental Illness: An Advancing Issue amongst College Students

Gregory Render, Ehlam Frank*

Faculty Coauthor(s)/Mentor(s): *Fletcher Winston*

Research Area: *Social Sciences*

**Symposium: Faculty-Selected Senior Design Projects in
Engineering**

Moderator: Joanna Thomas

WSC 104

11:00 – 12:00

4" Hydro Turbine Runner Assembly

Chanah Bremar; Emily Davis; Mary Kathryn Savage*

Faculty Coauthor(s)/Mentor(s): *Stephen Hill; Loren Sumner*

Research Area: Engineering and Materials Sciences

Design of a Portable Incubator for Water Coliform Testing

Amanda Cimino; Deryl Hart Warner; Elise Young*

Faculty Coauthor(s)/Mentor(s): *Joanna Thomas; Edward O'Brien; Laura Lackey; Ruiyun Fu*

Research Area: Engineering and Materials Sciences

Seismic Water Depth Meter

Gabrielle Sims; Ariel Dornisch; Timothy Hood*

Faculty Coauthor(s)/Mentor(s): *Michael MacCarthy; Kevin Barnett; Anthony Choi*

Research Area: Engineering and Materials Science

[RETURN TO SESSION SCHEDULE](#)

General Papers in Engineering and Materials Science

WSC 104

9:00 – 10:00

Moderator: Joanna Thomas

Design and Evaluation of 3D Printed Biliary Stents for Endoscopic Deployment

Claire Flippin; Rebecca Lawson*

Faculty Coauthor(s)/Mentor(s): *Joanna Thomas*

Research Area: Engineering and Materials Sciences (Biomedical Engineering)

3D Printed Extra Hepatic Bile Duct Model for In Vitro Biliary Stent Testing System

Leia Troop; Nicholas Faist; Michael Bowman Olay*

Faculty Coauthor(s)/Mentor(s): *Joanna Thomas*

Research Area: Engineering and Materials Sciences (Biomedical Engineering)

Reducing Barriers to Mobility in the United States and the Dominican Republic

*McPherson Newell**

Faculty Coauthor(s)/Mentor(s): *Michael MacCarthy*

Research Area: Engineering and Materials Sciences (Biomedical Engineering)

WSC 104

10:00 – 11:00

Moderator: Joanna Thomas

Water Quality Analysis of Mountain Springs and Capture Systems in the Dominican Republic

*Sara Binet**

Faculty Coauthor(s)/Mentor(s): *Michael MacCarthy; Monica Resto-Fernandez*

Research Area: Engineering and Materials Sciences (Environmental Engineering)

Pines Library User Experience Evaluation

Danielle Levy; Charlotte Dungan; Kim Wallace; Jamie Rutledge*

Faculty Coauthor(s)/Mentor(s): *Pam Brewer*

Research Area: Engineering and Materials Sciences (Technical Communication)

Does Route Familiarity Influence Roadway Safety?

*Jordan McCommon**

Faculty Coauthor(s)/Mentor(s): *Emmanuel Kidando*

Research Area: Engineering and Materials Sciences (Civil Engineering)

[RETURN TO SESSION SCHEDULE](#)

General Papers in Engineering and Materials Science

WSC 104

1:00 – 2:00

Moderator: Joanna Thomas

Enhancing Durability of 3D printed Structures by Dual Extrusion Printing

Roy Wood; Dylan Kennedy*

Faculty Coauthor(s)/Mentor(s): *Arash Afshar; Dorina Mihut*

Research Area: Engineering and Materials Sciences (Mechanical Engineering)

Effects of environmental exposures on metallic coated carbon fiber epoxy composites

Roy Wood; Dylan Kennedy*

Faculty Coauthor(s)/Mentor(s): *Arash Afshar; Dorina Mihut; Alireza Sarvestani*

Research Area: Engineering and Materials Sciences (Materials Science and Engineering)

Effect of 3D Printing Parameters on Particle Filled Thermoplastic Structures

Dylan Kennedy; Roy Wood*

Faculty Coauthor(s)/Mentor(s): *Arash Afshar; Dorina Mihut*

Research Area: Engineering and Materials Sciences (Mechanical Engineering)

WSC 104

2:00 – 3:00

Moderator: Joanna Thomas

Enhancing Epoxy Mechanical Properties by glass beads and alumina nanoparticles additions

Gregory Baker; Nicholas Cordista; Connor Reed; Pierce Smith*

Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar; Alireza Sarvestani*

Research Area: Engineering and Materials Sciences (Materials Science and Engineering)

Mechanical Evaluations of 3 D Printed Polymers - a New Lab Design

*Dylan Kennedy**

Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar*

Research Area: Engineering and Materials Sciences (Materials Science and Engineering)

Study on improving abrasion resistance, flexural strength and electrical properties of 3 D printed polymers

Nicholas Cordista; Gregory Baker; Connor Reed; Pierce Smith*

Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar*

Research Area: Engineering and Materials Sciences (Materials Science and Engineering)

[RETURN TO SESSION SCHEDULE](#)

General Papers in Engineering and Materials Science

GSC 210

2:00 – 3:00

Moderator: Arash Afshar

Data-driven Sliding Control for Pulses of Fluorescence in STED Microscopy

*Maison Clouatre**

Faculty Coauthor(s)/Mentor(s): *Makhin Thitsa*

Research Area: Engineering and Materials Sciences (Electrical Engineering)

Hysteresis and Shape-Memory Properties of Thermoplastic Polyurethane at Finite Deformations

Ryan Field; Darren Pickren; Zachary Kubas; Safi Rahman*

Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani; Dorina Mihut; Arash Afshar*

Research Area: Engineering and Materials Sciences (Materials Science and Engineering)

Characterization of E-Cigarette Aerosol Deposition in the Human Lung Airways

Sarah Spalding; Gunhee Lee; Skylar Christianson*

Faculty Coauthor(s)/Mentor(s): *Sinjaee Hyun*

Research Area: Engineering and Materials Sciences (Biomedical Engineering)

GSC 210

3:00-3:20

Moderator: Arash Afshar

Applications of Deep Neural Networks for Improving the Precision of Low-Budget GPS

*Roy Andrew Wood**

Faculty Coauthor(s)/Mentor(s): *Anthony Choi*

Research Area: Mathematics, Computer Science, and Computational Science

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: Film and Theater

WSC 103

11:00-11:40

Moderator: Scot Mann

Movie Minstrelsy

*Casey Allen**

Faculty Coauthor(s)/Mentor(s): *Andrew Silver*

Research Area: Arts, Humanities, and Languages (Other)

A Mercer Theatre Guide to Professional Acting

*CeVonn Williams**

Faculty Coauthor(s)/Mentor(s): *Scot Mann; Francesca Rollins*

Research Area: Arts, Humanities, and Languages (Theater)

[**RETURN TO SESSION SCHEDULE**](#)

General Papers in the Natural, Physical, and Biomedical Sciences

GSC 103

9:00 – 10:00

Moderator: Craig Byron

Applications of Convolutional Deep Neural Networks for Cosmic-Ray Shower Reconstruction

*Roy Andrew Wood**

Faculty Coauthor(s)/Mentor(s): *Frank McNally*

Research Area: Physical, Natural, and Biomedical Sciences (Physics)

Validation of a yeast knockout library screen through media construction and bioinformatic analysis

Gunnar Rogers; Joe Graham; Sean Simmons*

Faculty Mentor: *Amy Wiles*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

Basement-membrane degrading metalloproteinases in atherosclerotic lesions of peripheral arterial disease

*Regina Liu**

Faculty Mentor: *Zhongbiao Wang*

Research Area: Physical, Natural, and Biomedical Sciences (Biomedical Science)

GSC 103

10:00 – 11:00

Moderator: Joseph Keene

Analysis of lanthipeptides produced by *Salinispora*

Shailey Shah; Caroline Kittrell; Dylan Scott; Matthew Halbert; Madeline Smith*

Faculty Mentor: *Emilianne Limbrick; Garland Crawford*

Research Area: Physical, Natural, and Biomedical Sciences (Biochemistry and Molecular Biology)

Hg⁰ Pollution from Gold Shops in Guyana: Science and Technical Training

*Samantha Brown**

Faculty Mentor: *Adam M. Kiefer*

Research Area: Physical, Natural, and Biomedical Sciences (Chemistry)

Detecting Endocrine Disrupting Chemicals: Development of a Differential Sensing Array for Use in Aqueous Media

*Travis Meeks**

Faculty Mentor: *Margaret Meadows*

Research Area: Physical, Natural, and Biomedical Sciences (Chemistry)

[RETURN TO SESSION SCHEDULE](#)

General Papers in the Natural, Physical, and Biomedical Sciences

GSC 103

11:00 – 11:40

Moderator: Joseph Keene

Affordable Determination of the Elemental Composition of Colloidal Quantum Dots with Portable X-Ray Fluorescence Spectroscopy

*Joseph Land**

Faculty Mentor: *Joseph Keene*

Research Area: Physical, Natural, and Biomedical Sciences (Chemistry)

Efficacy of c-fos inhibition in patch compartment upon habitual methamphetamine self-administration

*Bhuvaneshwari Muchandi**

Faculty Mentor: *Kristen Horner; Troy Kendrick*

Research Area: Physical, Natural, and Biomedical Sciences (Neuroscience and Psychology)

GSC 103

1:00 – 2:00

Moderator: Jeff Denny

Biofilm Inhibition Through Novel Lead Compound Synthesis

Parneeta Mohapatra; Sarika Mahajan; Ashton Taylor*

Faculty Mentor: *Linda Hensel; David Goode; Jeff Denny*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

Biofilm Inhibition & Drug Synthesis

Ehizogie Okojie; Noah De Mers; Nina Rasheed*

Faculty Mentor: *Linda Hensel; David Goode; Jeff Denny*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

On the Hunt for “BOMM” Biofilm Inhibitors

*Natalie Yaeger**

Faculty Mentor: *Linda Hensel; David Goode; Jeff Denny*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

[RETURN TO SESSION SCHEDULE](#)

General Papers in the Natural, Physical, and Biomedical Sciences

GSC 103

2:00 – 2:40

Moderator: David Goode

Novel Compounds in Biofilm Production

Lauri Weinkauff; Emily Belle; Alexander Mutsanago*

Faculty Coauthor(s)/Mentor(s): *Linda Hensel; David Goode*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

Combating Antibiotic Resistance with Biofilm Inhibiting Drugs

Spencer Laue; Sonny Patel; Brenton Puckett*

Faculty Mentor: *Linda Hensel; David Goode*

Research Area: Physical, Natural, and Biomedical Sciences (Biology)

[**RETURN TO SESSION SCHEDULE**](#)

General Papers in Social Science

GSC 450

9:00 – 10:00

Moderator: Shan Ran

Growing Up Asian: Wrath of the Tiger Mother

*Alexander Stump**

Faculty Author(s)/Mentor(s): *Pamela Stanescu*

Research Area: Social Sciences (Sociology)

LGBTQIA+ Political Participation at Mercer University

Emily Sapp; Margret Hicks*

Faculty Author(s)/Mentor(s): *Natalie Bourdon*

Research Area: Social Sciences (Sociology)

Religion and Cultural Connection to Country of Origin in Children of Immigrants

*Margaret Hicks**

Faculty Author(s)/Mentor(s): *Amy Nichols-Belo*

Research Area: Social Sciences (Other)

GSC 450

10:00 – 11:00

Moderator: Derek Glasgow

Slavery to Reconstruction: An Analysis of Georgia's Standards of Excellence

Elizabeth Tadlock; Emily Harvey; Carley Wilson; Reagan Tillery*

Faculty Author(s)/Mentor(s): *Laura Simon*

Research Area: Social Sciences (Sociology)

Veganism and Sustainability

*Nishi Patel**

Faculty Author(s)/Mentor(s): *Eimad Houry*

Research Area: Social Sciences (Global Health)

Women's Rights: Do Female Leaders Hurt, or Help?

*Lindsey Smallwood**

Faculty Author(s)/Mentor(s): *Eimad Houry*

Research Area: Social Sciences (Women's and Gender Studies)

[RETURN TO SESSION SCHEDULE](#)

General Papers in Social Science

GSC 450

11:00 – 11:40

Moderator: Riku Kawaguchi

Searching For Suffrage: Helen Shaw Harrold's Georgia Fight

*Addison Mecredy**

Faculty Author(s)/Mentor(s): *Matthew Harper*

Research Area: Social Sciences (Women's and Gender Studies)

Cross-Cultural Influence on Breastfeeding Behaviors

*Elizabeth Ctibor**

Faculty Author(s)/Mentor(s): *Tanya Sharon*

Research Area: Social Sciences (Psychology)

[RETURN TO SESSION SCHEDULE](#)

Symposium: Senior Thesis in Philosophy

Moderator: Creighton Rosental

*** Each session has 2, 30-minute talks**

GSC 450

1:00 – 2:00

The Moral Obligations the United States Owes to Venezuelan Refugees: Border Arguments Applied to Refugees

*Nieves Melendez Ristuccia**

Faculty Coauthor(s)/Mentor(s): *Rosalind Simson*

Research Area: Humanities (Philosophy)

Examining the Lens in Stanley Kubrick's Full Metal Jacket

*Kedric Ross**

Faculty Coauthor(s)/Mentor(s): *Marc Jolley; Creighton Rosental*

Research Area: Humanities (Philosophy)

GSC 450

2:00 – 3:00

Reconciling Subject and Object: An Examination of Perceptual Philosophy

*Holly Cooper**

Faculty Coauthor(s)/Mentor(s): *Rosalind Simson; Creighton Rosental*

Research Area: Humanities (Philosophy)

Objectivism Reframed: Priority of Self-Care

*Samantha Creswell**

Faculty Coauthor(s)/Mentor(s): *Charlotte Thomas*

Research Area: Humanities (Philosophy)

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: Classical and Modern Languages

WSC 103

9:00 – 9:40

Moderator: Achim Kopp

Falling in love with Love: The Tale of Cupid and Psyche in Apuleius and C. S. Lewis

*Raejan Noh **

Faculty Coauthor(s)/Mentor(s): *Achim Kopp*

Research Area: Arts, Humanities, and Languages (Classical & Modern Languages)

Problems in Cross-Cultural Environmental Communication: What is an Eco-City? Case Studies in the Asia Pacific Region

*Nidhi Shashidhara **

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios*

Research Area: Arts, Humanities, and Languages (Classical & Modern Languages)

[**RETURN TO SESSION SCHEDULE**](#)

Arts, Humanities, and Languages: Women and Gender Studies

WSC 103

10:00 – 10:40

Moderator: Virginia Young

Gender Disparity in Education in Sub-Saharan Africa: An Economic Disadvantage?

*Eliza Miller**

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios*

Research Area: Arts, Humanities, and Languages (Women's and Gender Studies)

Rape Culture in Fraternity and Sorority Programming"

*Cam Wade**

Faculty Coauthor(s)/Mentor(s): *Natalie Bourdon*

Research Area: Arts, Humanities, and Languages (Women's and Gender Studies)

[RETURN TO SESSION SCHEDULE](#)

General Papers in Business

WSC 305

9:00 – 10:00

Moderator: Geoffrey Ngene

An Analysis of the Explanatory Power of Betting Data on NFL Viewership Levels

*Kalp Patel**

Faculty Coauthor(s)/Mentor(s): *Allen Lynch*

Research Area: Business (Economics)

Time-Varying Connectedness Between Financial and Real Sectors

*Sachin Khurana**

Faculty Coauthor(s)/Mentor(s): *Geoffrey Ngene*

Research Area: Business (Finance)

Too much sugar? Rethinking Coca-Cola

William Kerdasha; Nicholas Smith; Thomas Eads; Om Mehta*

Faculty Coauthor(s)/Mentor(s): *Geoffrey Ngene; John Gordon*

Research Area: Business (Finance)

WSC 305

10:00 – 11:00

Moderator: Gregory McAmis

The Impact of FinTech Adoption on Bank Stock Returns: The Case of Canada

Ryan Thompson; William Kerdasha*

Faculty Coauthor(s)/Mentor(s): *Kenneth Tah*

Research Area: Business (Finance)

The Check Clearing for the 21st Century Act and Bank Stock Returns

James Griggers; Lee Greenberger*

Faculty Coauthor(s)/Mentor(s): *Kenneth Tah*

Research Area: Business (Finance)

Announcements of Bank Loans and Cannabis Stock Returns

Autumn R. Johnson; Madison S. Johnson*

Faculty Coauthor(s)/Mentor(s): *Kenneth A. Tah*

Research Area: Business (Finance)

[RETURN TO SESSION SCHEDULE](#)

General Papers in Business

WSC 305

11:00 – noon

Moderator: Gregory McAmis

Financial Services Holding Companies Concentration in Diversification

*Anna Valeria Rodas**

Faculty Coauthor(s)/Mentor(s): *Kenneth Tah*

Research Area: Business (Risk Management and Insurance)

Integration of African Stock Markets at Different Performance Cycles

*Ben Brubaker**

Faculty Coauthor(s)/Mentor(s): *Geoffrey Ngene*

Research Area: Business (Finance)

Gender Equality and Capitalist Beliefs

*Gopiben Patel**

Faculty Coauthor(s)/Mentor(s): *Andrés Marroquín*

Research Area: Business

WSC 305

1:00 – 1:40

Moderator: Clara Mengolini

Self-centered or altruistic: Influencers motivations behind brand support.

Marissa James; Keyshonda Stafford*

Faculty Coauthor(s)/Mentor(s): *Ania Rynarzewska*

Research Area: Business (Marketing)

New Media in the Premier Lacrosse League

Jean-Luc Brown; Nick Thompson; Ava Johnson*

Faculty Coauthor(s)/Mentor(s): *Ania Rynarzewska*

Research Area: Business (Sports Marketing and Analytics)

[RETURN TO SESSION SCHEDULE](#)

Symposium: Public Policy Analysis and Recommendations*

Moderator: Lori Johnson

*** Each session has 6, 10-minute talks**

GSC 210

9:00 – 10:00

Punishing Pregnancy: Georgia's Maternal Mortality Crisis

*Sarah Moore**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Children: Orphans of Justice in the Commonwealth

*Zahria Evans**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Gerrymandering: An Assault on Democracy

*Drew Williams**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Dirty Water and Even Dirtier Politics: The Flint Water Crisis

*Mecca Aikens**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Legalization in Georgia: turn over a new leaf

*Julian Hahn**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Student Debt: The Barrier to Great Minds

*Dolapo Ayofemi**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

[RETURN TO SESSION SCHEDULE](#)

Symposium: Public Policy Analysis and Recommendations*

Moderator: Lori Johnson

*** Each session has 6, 10-minute talks**

GSC 210

10:00 – 11:00

Hunted, Caged, Sold: Georgia A Human Trafficking Hub

*Solomon Alexander Simpson**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

2020 Vision? See Color to See the Problem: Racially Segregated Schools in Macon-Bibb County

*Janai Baxter**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

A Dog-gone Dangerous Sport: An Analysis of Greyhound Racing in West Virginia

*Lindsey Smallwood**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Proposed North Carolina Voter Identification Law Creating Unrest for Civil Rights Activists

*Alexander Stock**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Brighter Futures: Education Reform in the South

*Emma Smith**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Teacher Pay: It is Time to get EDUCATED on the issue

*Nini Ugha**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

[RETURN TO SESSION SCHEDULE](#)

Symposium: Public Policy Analysis and Recommendations*

Moderator: Lori Johnson

*** Each session has 6, 10-minute talks**

GSC 210

11:00 – noon

Teaching Teachers How to Read Backwards Dyslexia: A Growing Issue in the United States

*Grace Bowman**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Voter Suppression: The Modern Black Codes of Georgia

*Elijah Moore**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

The Dickey Issue of Sports Gambling: A Good Bet for Florida?

*Fuad Batteh**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Hacked: Why Paperless Machine Voting in Georgia is a Lost Cause

*Valentina Ceron Andraus**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Double Down: Legalizing Gambling in Georgia?

*Troy Davis**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Beyond Scared Straight: Public Analysis of the Juvenile Justice System

*JaLisa Peterson**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

[RETURN TO SESSION SCHEDULE](#)

Symposium: Public Policy Analysis and Recommendations*

Moderator: Lori Johnson

** Each session has 6, 10-minute talks*

GSC 210	1:00 – 1:30
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Macon It Around Town: Vehicle-centric Infrastructure

*Taylor Cole**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

Over Prescribed? Rural Louisiana's Opioid Crisis

*Camille Peno**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

The Education Crisis: How Opportunities are Limited to Students of Color

*Ja'Diyah Shamsiddin**

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: Law and Public Policy

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: History

GSC 220

9:00 – 10:00

Moderator: Anita Gustafson

Expanding Slave Narratives at Jarrell Plantation State Historic Site

*Emily Robertson**

Faculty Coauthor(s)/Mentor(s): *Matt Harper*

Research Area: Arts, Humanities, and Languages (History)

Black Methodism and the Split of the Methodist Episcopal Church in 1844

*Caroline Smith**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

Dancing into Whiteness: A Look at José Limón's Performance in Atlanta in 1953 and Cold War America

*Adri Rosario**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

GSC 220

10:00 – 11:00

Moderator: Robert Good

The Fight for the 1960 Georgian Political Narrative: How a State Campaign Won a Catholic President

*Trey Dennard**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

The "Glorious" February Revolution

*Rachel Wright**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper; Wallace Daniel*

Research Area: Arts, Humanities, and Languages (History)

Pattons and the Times in Bavaria

*Jackson Crean**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: History

GSC 220

11:00-noon

Moderator: Abigail Dowling

The United States at the Fort Smith Conference: Ignoring Cherokee Loyalty to Justify Punishment after the Civil War

*Allison Stevens**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper; Abigail Dowling*

Research Area: Arts, Humanities, and Languages (History)

The Fight on the Home Front: Conscientious Objectors in World War I

*Sara Carr**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

For You Are All One in Jesus Christ? White Georgia Baptists Views on the Civil Rights Movement and Martin Luther King Jr

*Bridget Silvert**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper; Douglas Thompson*

Research Area: Arts, Humanities, and Languages (History)

GSC 220

1:00-2:00

Moderator: Matthew Harper

A Murder Case to Show the Natives Their Place

*Skylar Ferguson**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper; Abigail Dowling*

Research Area: Arts, Humanities, and Languages (History)

American Secularism and the Kulturkampf

*William Forrest Flammer**

Faculty Coauthor(s)/Mentor(s): *Abigail Dowling; Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

Fundamentalism and the Fight for Academic Freedom: The Dismissal of Dr. Henry Fox from Mercer University in 1924

*Ashley Stephens**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: History

GSC 220

2:00-2:20

Moderator: Matthew Harper

Of Hope & Fear: British Propaganda in 1803

*Braedon McKay Kelly**

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: Arts, Humanities, and Languages (History)

[RETURN TO SESSION SCHEDULE](#)

Symposium: 2020 Presidential Primaries, the Media, and Communication

Moderators for all talks: Jay Black, Kevin Cummings, and Chris Grant

WSC 155	9:00 – 10:00
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How the Impeachment Trial Shaped the 2020 Campaign Trail

Reilly Moncrief; Madison Moore; Ja'Diyah Shamsiddin; Faith Montgomery*

Faculty Coauthor(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

Horse Races and Media Coverage

Sheridan King; Anisah Muhammad; Sylvia Colquitt*

Faculty Coauthor(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

New Media Strategies for 2020 Primaries

Joshua Harrison; Jake McCarthy; Chance Allen; Lars Lonnroth*

Faculty Coauthor(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

WSC 155	10:00 – 11:00
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Momentum Models and Firewalls- do they still exist?

Davis Varner; Adam Penland; Spencer Decuir*

Faculty Coauthor(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

Billionaires: How Perceived Wealth Influences Voters in the 2020 Presidential Election

Mary Helene Hall; Emma Kraft; Lisbeth Villegas*

Faculty Coauthor(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

A Women's Place is the (White) House

Miranda Jackson; Hinal Patel; Camryn Bierria*

Faculty Author(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

[RETURN TO SESSION SCHEDULE](#)

Symposium: 2020 Presidential Primaries, the Media, and Communication

Moderators for all talks: Jay Black, Kevin Cummings, and Chris Grant

WSC 155

11:00 – noon

My Word as a Biden - Uncle Joe and 2020

Emily Harvey; Elizabeth Tadlock; Anniston Nooks*

Faculty Author(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

The Mayor with Momentum

Harrison Ivins; Kylie Brown; Caid Richardson*

Faculty Author(s)/Mentor(s): *Jay Black; Kevin Cummings; Chris Grant*

Research Area: Social Sciences (Political Science)

[RETURN TO SESSION SCHEDULE](#)

Symposium on Integrating Service and Scholarship: Mercer Service Scholar Senior Projects

Moderators for all talks: Amy Nichols-Belo

WSC 155	1:00 – 2:00
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Measuring the Effect of Supplementary English Instruction on Renaissance STAR Test Scores for Springdale Elementary English Language Learners

Jessica Lewis; Tucker Buffington*

Faculty Coauthor(s)/Mentor(s): *Amy Nichols-Belo*

Symposium: Integrating Service and Scholarship: Mercer Service Scholar Senior Project

The Effects of a College Volunteer Program on Bolingreen Health & Rehabilitation Center Residents

*Anna Ingram**

Faculty Coauthor(s)/Mentor(s): *Amy Nichols-Belo*

Symposium: Integrating Service and Scholarship: Mercer Service Scholar Senior Projects

Cultural and Religious Sensitivity Curriculum for Short-Term Mission Groups

*Caitlin Montgomery**

Faculty Coauthor(s)/Mentor(s): *Lisa Vu*

Symposium: Integrating Service and Scholarship: Mercer Service Scholar Senior Projects

WSC 155	2:00 – 2:40
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Global Health In Action Teen: An Adolescent Health Literacy Improvement Program

*Moriah Roycroft**

Faculty Coauthor(s)/Mentor(s): *Chinekwu Obidoa*

Symposium: Integrating Service and Scholarship: Mercer Service Scholar Senior Projects

Minority Mentor Community Mentoring Program: Improving Awareness of Career & Educational Opportunities Using Personalized Curriculum

*Aditi Dave**

Faculty Coauthor(s)/Mentor(s): *Mary Alice Morgan*

Research Area: Education

[RETURN TO SESSION SCHEDULE](#)

Human and Environmental Rights

WSC 156

1:00 – 2:00

Moderator: Kristen Bailey

Harriet Tubman and the Erasure of Disability in American History

*Ashley Pettway**

Faculty Coauthor(s)/Mentor(s): *Dorothy Buchli*

Research Area: Arts, Humanities, and Languages (Other)

Colorism, Racism, and the Role they Play in the Modern Views of Immigration

*Stephany Leal**

Faculty Coauthor(s)/Mentor(s): *Alana Alvarez*

Research Area: Arts, Humanities, and Languages (Other)

The Progression of Vietnamese Human Rights

*Brittany Tran**

Faculty Coauthor(s)/Mentor(s): *Bich Nguyen; Ha Van Vo*

Research Area: Arts, Humanities, and Languages (Other)

WSC 156

2:00 – 2:40

Moderator: J. Fernando Palacios

Reparations and Sephardi Jews- A new Era

*Mason Thornton**

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios, Alana Alvarez*

Research Area: Arts, Humanities, and Languages (Other)

Fast Fashion: Effects on the Environment and Factory Workers: The Case of Bangladesh

*Emily Bartlett**

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios*

Research Area: Arts, Humanities, and Languages (Global Health (Humanities))

[RETURN TO SESSION SCHEDULE](#)

General Papers in Education

WSC 156

10:00 – 11:00

Moderator: Susan Cannon

Writing in the Reader

*Katelyn Corbett**

Faculty Coauthor(s)/Mentor(s): *Deneen Senasi; Andrew Silver*

Research Area: Education

Welcoming Diverse Voices: A Study of Enrollment and Retention in Mercer's Great Books Program

*Sarah Moore**

Faculty Coauthor(s)/Mentor(s): *Deneen Senasi*

Research Area: Arts, Humanities, and Languages; Education

Evaluating and Enriching the Read2Succeed Tutoring Conducted by Mercer University Undergraduates Within Local Elementary Schools

Grace Maloney; Katelyn West*

Faculty Coauthor(s)/Mentor(s): *Vicki Luther*

Research Area: Education

[RETURN TO SESSION SCHEDULE](#)

Arts, Humanities, and Languages: Literature

GSC 220

9:00 – 10:00

Moderator: Jonathan Glance

Female Friendship and the Author/Reader Dialogue in E.D.E.N. Southworth's The Hidden Hand

*Maggie Martin**

Faculty Coauthor(s)/Mentor(s): *Andrew Silver*

Research Area: Arts, Humanities, and Languages (Literature)

Demon Hunter: A Creative Writing Project

*Cam Wade**

Faculty Coauthor(s)/Mentor(s): *Thomas Bullington*

Research Area: Arts, Humanities, and Languages (Literature)

An Autopsy on Mortality: Death in the First World War

*Sam Minton**

Faculty Coauthor(s)/Mentor(s): *David A. Davis*

Research Area: Arts, Humanities, and Languages (Literature)

GSC 220

10:00 – 11:00

Moderator: Thomas Bullington

Salvage The Ghosts: Richie and Beloved's Journey Home

*Madeline Cole**

Faculty Coauthor(s)/Mentor(s): *David A. Davis*

Research Area: Arts, Humanities, and Languages (Southern Studies)

Designs in Faulkner's Old South: Inheritance of Wealth through Patrilineal Society

*Natalie Yaeger**

Faculty Coauthor(s)/Mentor(s): *David A. Davis*

Research Area: Arts, Humanities, and Languages (Literature)

Emily Dickinson's Poetry: Longing and Lesbianism

*Ivy Clarke**

Faculty Coauthor(s)/Mentor(s): *Andrew Silver; Jonathan Glance*

Research Area: Arts, Humanities, and Languages (Literature)

[**RETURN TO SESSION SCHEDULE**](#)

General Papers in Journalism and Communication Studies

WSC 156

9:00 – 9:40

Moderator: Darlene Flaming

The Legacy of Jesse Mercer: His Influence on Journalism and Education as Components of Religious Journalism

*Madilyn Harrell**

Faculty Coauthor(s)/Mentor(s): *Bryan Whitfield; Darlene Flaming; Evey Wilson; Richard Wilson*

Research Area: Arts, Humanities, and Languages (Journalism)

From the Pay Gap to the Thigh Gap: The Media's Distortion of Girls' and Womens' Body Image

*Mandi DeLong**

Faculty Coauthor(s)/Mentor(s): *Jonathan Glance; Vasile Stanescu*

Research Area: Arts, Humanities, and Languages; Communication Studies

[RETURN TO SESSION SCHEDULE](#)

Public Health and Health Studies

GSC 220

1:00 – 2:00

Moderator: Alana Alvarez

Why water? The global water crisis and its effects on developing countries.

*India Ellison**

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios*

Research Area: Public Health and Health Studies

The Silent Killer: Pollution in China

*Tyler Tran**

Faculty Coauthor(s)/Mentor(s): *J. Fernando Palacios*

Research Area: Public Health and Health Studies

Comparing American Racial Health Disparity Interventions to South Africa

*Brianna Levin**

Faculty Coauthor(s)/Mentor(s): *Chinekwu Obidoo*

Research Area: Public Health and Health Studies

GSC 220

2:00 – 3:00

Moderator: Alana Alvarez

Effects of Centering Pregnancy on Pregnancy Outcomes at Navicent Health

Mehak Zainab; Adrienne Smith*

Faculty Coauthor(s)/Mentor(s): *Patrice Walker; Rose Crespo; Brad Lian*

Research Area: Public Health and Health Studies

Linkages of the Epstein-Barr Virus in Developing Nations

*Peter Garcia **

Faculty Coauthor(s)/Mentor(s): *Gretchen Bentz*

Research Area: Public Health and Health Studies

[RETURN TO SESSION SCHEDULE](#)

GENERAL POSTER PRESENTATIONS

Intramural Courts, University Center

Thursday March 26, 2020

Odd Posters: 4:00-5:00 PM

Even Posters: 5:00-6:00 PM

P1: *I Will Not Be Obliterated: A Study in Poetry over Under-Recognized Global Women Artists*

Corresponding Student Author: *Ivy Clarke*

Faculty Coauthor(s)/Mentor(s): *Erin McClenathan*

Research Area: *Arts, Humanities, and Languages*

University Programs: *Course-based Undergraduate Research (CURE); Course Assignment*

P2: *50 Shades of Race: An Analysis of Creole Literature in Antebellum New Orleans*

Corresponding Student Author: *Isabella LeBlanc*

Faculty Coauthor(s)/Mentor(s): *Matthew Harper*

Research Area: *Arts, Humanities, and Languages*

University Programs: *Course-based Undergraduate Research (CURE); Course Assignment*

P3: *Through the Looking Glass: Translating Student Writing Practices from Academic to Creative Contexts*

Corresponding Student Author: *Noah Mutfwang*

Faculty Coauthor(s)/Mentor(s): *Deneen Senasi*

Research Area: *Arts, Humanities, and Languages*

P4: *Beliefs About Robots and Labor Status in Latin America: Evidence from Latinobarómetro, 2018*

Corresponding Student Author: *Sahan Vangala*

Student Coauthor(s): *Natalie Coolidge*

Faculty Coauthor(s)/Mentor(s): *Andrés Marroquín*

Research Area: *Business*

University Programs: *Faculty-led Research Project*

P5: *The Diamonds in the Dialogue: The Dynamic Influence of Language on Investor Decisions*

Corresponding Student Author: *Jordan Lipp*

Faculty Coauthor(s)/Mentor(s): *Juanita Forrester*

Research Area: *Business*

University Programs: *Course-based Undergraduate Research (CURE); Honors Research*

P6: *The Effect of Desire for Revenge and Negative Reciprocity on Customer-Directed CWB*

Corresponding Student Author: *Lilah Donnelly*

Faculty Coauthor(s)/Mentor(s): *Agnieszka Shepard*

Research Area: *Business*

GENERAL POSTER PRESENTATIONS

P7: *How can brands create the perception of luxury on social media*

Corresponding Student Author: *Shasheen Kher*

Faculty Coauthor(s)/Mentor(s): *Ania Rynarzewska*

Research Area: *Business*

University Programs: *Faculty-led Research Project*

P8: *Using Physical Movements to Improve First-Grade Students: Sound-Letter Recognition for Short Vowels*

Corresponding Student Author: *Jessica Lewis*

Faculty Coauthor(s)/Mentor(s): *Vicki Luther*

Research Area: *Education*

University Programs: *Course Assignment*

P9: *Break Down the Main Idea- Studying the Effectiveness of Using Graphic Organizers for Increasing Reading Comprehension in Fourth Grade RTI Students*

Corresponding Student Author: *Grace Maloney*

Faculty Coauthor(s)/Mentor(s): *Vicki Luther*

Research Area: *Education*

University Programs: *Course Assignment*

P10: *What is the Point of Lab?! Preliminary Data on Making Lecture-lab Connections*

Corresponding Student Author: *Laurel Eve Genova*

Faculty Coauthor(s)/Mentor(s): *Kathryn Kloepper; Garland Crawford; Vicki Luther;*

Research Area: *Education*

University Programs: *Faculty-led Research Project*

P11: *It's time to think about thinking: A study on the Reciprocal Teaching method and the effects it has on reading comprehension levels in Second and Fifth Grade students*

Corresponding Student Author: *Kate Buckland*

Student Coauthor(s): *Jaycie Rollins*

Faculty Coauthor(s)/Mentor(s): *Vicki Luther*

Research Area: *Education*

University Programs: *Course Assignment*

P12: *Characterization of E-Cigarette Aerosol Deposition in the Human Lung Airways*

Corresponding Student Author: *Sarah Spalding*

Student Coauthor(s): *Skylar Christianson; Gunhee Lee*

Faculty Coauthor(s)/Mentor(s): *Sinjaee Hyun*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

GENERAL POSTER PRESENTATIONS

P13: *Evaluating the Usability of the Georgia PINES Library Catalog*

Corresponding Student Author: *Cathy Hu*

Student Coauthor(s): *Juliana Hawkinson; Adam Davenport*

Faculty Coauthor(s)/Mentor(s): *Pam Brewer*

Research Area: *Engineering and Materials Sciences*

University Programs: *Course Assignment*

P14: *Image Processing of Melanoma Skin Cancer*

Corresponding Student Author: *Jessica Smith*

Faculty Coauthor(s)/Mentor(s): *Vahid Vahidi*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project; Course-based Undergraduate Research (CURE); Course Assignment*

P15: *Harvesting Vehicular Kinetic Energy Using Piezoelectric Sensors*

Corresponding Student Author: *Jennifer Andrews*

Student Coauthor(s): *Caitlyn Patton; Holly Wells*

Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani; Ruiyun Fu; Stephen Hill; Arash Afshar*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

P16: *Optimization of Molybdenum Disulfide Dispersion into Epoxy Matrix*

Corresponding Student Author: *Markell Jackson*

Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

P17: *Hysteresis and Shape-Memory Properties of Thermoplastic Polyurethane at Finite Deformations*

Corresponding Student Author: *Ryan Field*

Student Coauthor(s): *Darren Pickren; Zachary Kubas; Safi Rahman*

Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani; Dorina Mihut; Arash Afshar;*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

P18: *Stress Analysis of a Feed Water Piping System*

Corresponding Student Author: *Landon Cameron*

Faculty Coauthor(s)/Mentor(s): *Kleio Avrithi*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

GENERAL POSTER PRESENTATIONS

P19: Car Detection With Deep Learning

Corresponding Student Author: *Nolan Donley*

Faculty Coauthor(s)/Mentor(s): *Vahid Vahidi*

Research Area: *Engineering and Materials Sciences*

University Programs: *Course-based Undergraduate Research (CURE)*

P20: Resilience of Infrastructure

Corresponding Student Author: *Arielle Bellew*

Faculty Coauthor(s)/Mentor(s): *Kleio Avrithi*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project; Honors Research*

P21: Electromagnetic Radiation for Extraction of High Viscosity Hydrocarbons from Porous Media

Corresponding Student Author: *Darren Pickren*

Student Coauthor(s): *Ryan Field; Jonathan Oh*

Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani; Robert Gill; Michael MacCarthy*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project; Course-based Undergraduate Research (CURE)*

P22: Does Route Familiarity Influence Roadway Safety?

Corresponding Student Author: *Jordan McCommon*

Faculty Coauthor(s)/Mentor(s): *Emmanuel Kidando*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

P23: Antibacterial Performance of Copper Coated Filter Papers and Low DC Electrical Currents Applied to Metallic Coated Structures

Corresponding Student Author: *Gregory Baker*

Student Coauthor(s): *Darren Pickren*

Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar; Stephen Hill;*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

P24: Enhancing Epoxy Mechanical Properties by glass beads and alumina nanoparticles additions

Corresponding Student Author: *Gregory Baker*

Student Coauthor(s): *Nicholas Cordista; Connor Reed; Mith Pierce*

Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar; Alireza Sarvestani*

Research Area: *Engineering and Materials Sciences*

University Programs: *Faculty-led Research Project*

GENERAL POSTER PRESENTATIONS

P25: *Developing an Autonomous Rover System Supporting Simultaneous Connections*

Corresponding Student Author: *Roy Andrew Wood*
Faculty Coauthor(s)/Mentor(s): *Anthony Choi*
Research Area: *Engineering and Materials Sciences*
University Programs: *Faculty-led Research Project*

P26: *Mechanical Evaluation of 3D Printed Polymers - a New Lab Design*

Corresponding Student Author: *Dylan Kennedy*
Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar*
Research Area: *Engineering and Materials Sciences*
University Programs: *Course-based Undergraduate Research (CURE)*

P27: *Study on improving abrasion resistance, flexural strength and electrical properties of 3D printed polymers*

Corresponding Student Author: *Nicholas Cordista*
Student Coauthor(s): *Gregory Baker; Connor Reed; Smith Pierce*
Faculty Coauthor(s)/Mentor(s): *Dorina Mihut; Arash Afshar*
Research Area: *Engineering and Materials Sciences*
University Programs: *Faculty-led Research Project*

P28: *I-SPAMM*

Corresponding Student Author: *Alvaro Garcia*
Faculty Coauthor(s)/Mentor(s): *Eniye Tebekaemi ; Martin Zhao*
Research Area: *Mathematics, Computer Science, and Computational Science*
University Programs: *Faculty-led Research Project; ; Honors Research; Course Assignment*

P29: *Using Image Processing to Detect Breast Cancer in Histology*

Corresponding Student Author: *Anthony Isele*
Faculty Coauthor(s)/Mentor(s): *Vahid Vahidi*
Research Area: *Mathematics, Computer Science, and Computational Science*
University Programs: *Course Assignment*

P30: *Developing an Augmented Reality Mobile Application to Enhance The Dulcimer's User Experience*

Corresponding Student Author: *Roy Wood*
Faculty Coauthor(s)/Mentor(s): *Martin Zhao*
Research Area: *Mathematics, Computer Science, and Computational Science*
University Programs: *Faculty-led Research Project; Course Assignment*

P31: *Pilot Database Design for Rhesus Macaque Skeletal Collection*

Corresponding Student Author: *Willow Stuckey*
Student Coauthor(s): *Alex Donnelly; Kyle Cutchens; Jared Johnson*
Faculty Coauthor(s)/Mentor(s): *Martin Zhao; Yuanting Lu*
Research Area: *Mathematics, Computer Science, and Computational Science*
University Programs: *Faculty-led Research Project; Course Assignment*

GENERAL POSTER PRESENTATIONS

P32: *The Dark Triad's advancement in the workplace through the use of hard tactics.*

Corresponding Student Author: *Rebecca Porter*

Faculty Coauthor(s)/Mentor(s): *Dina Schwam*

Research Area: *Social Sciences*

University Programs: *Course Assignment*

P33: *Understanding the Nature of Glycyrrhizic Acid in Breast Cancer Treatment*

Corresponding Student Author: *Jessica S. Hall*

Student Coauthor(s): *Violet Iyehen*

Faculty Coauthor(s)/Mentor(s): *Olga N. Uchakina; Robert J. McKallip*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project*

P34: *The Role of Sumoylation in the EBV Life Cycle*

Corresponding Student Author: *Abigail E. Harrod*

Student Coauthor(s): *Falisha Hira; Shruti Jha; Shakti Biswas; Peter Garcia*

Faculty Coauthor(s)/Mentor(s): *Gretchen L. Bentz; Angie T. Lowrey*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project*

P35: *Factors that Influence an Individual's Decision to Purchase Fast Fashion*

Corresponding Student Author: *Mackenzie Pfaff*

Faculty Coauthor(s)/Mentor(s): *Eimad Houry*

Research Area: *Social Sciences*

University Programs: *Faculty-led Research Project; Course Assignment*

P36: *Validation of a yeast deletion library screen using protein-protein interactions and metabolic pathway analysis*

Corresponding Student Author: *Joseph Graham*

Student Coauthor(s): *Sean Simmons; Gunnar Rogers; David Cobb*

Faculty Coauthor(s)/Mentor(s): *Amy Wiles*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project*

P37: *Evaluation of the activity of synthetic psychostimulant cathinones at human muscarinic receptors*

Corresponding Student Author: *Rachel Lukavsky*

Student Coauthor(s): *Yiming Chen*

Faculty Coauthor(s)/Mentor(s): *Clinton E. Canal*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project; Internship*

GENERAL POSTER PRESENTATIONS

P38: *Inhibition of Lymphangiogenesis Exacerbates Cisplatin Nephrotoxicity*

Corresponding Student Author: *Elisa R. Farrell*
Faculty Coauthor(s)/Mentor(s): *Anupam Agarwal; Laurence Black*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Internship*

P39: *Metal Sulfide Alloy Nanoparticles: Manganese Phosphorescence to Probe Localization*

Corresponding Student Author: *Clarissa Nguyen*
Student Coauthor(s): *Carolyn Cafro; Jordan Jackson; Jaila Lewis; Mahjabin Patrawala*
Faculty Coauthor(s)/Mentor(s): *Dale Moore*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P40: *Mapping Hgo Concentrations in Mazuko, Peru*

Corresponding Student Author: *Kathryn Howe*
Student Coauthor(s): *Samantha Brown*
Faculty Coauthor(s)/Mentor(s): *Adam M. Kiefer; Jeffrey Hugdahl*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project; Mercer On Mission*

P41: *Targeting LMP1-induced Sumoylation Processes With ML-792*

Corresponding Student Author: *Shruti Jha*
Student Coauthor(s): *Peter Garcia ; Merritt Thompson; Alex Barnsfield; Shakti Biswas; Ananya Shah; Holden Lee*
Faculty Coauthor(s)/Mentor(s): *Gretchen L. Bentz; Angela J. Lowrey; Abigail Harrod*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P42: *Using Chlamydomonas as a lab organism*

Corresponding Student Author: *Laura Roden*
Student Coauthor(s): *India Ellison*
Faculty Coauthor(s)/Mentor(s): *John Stanga*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P43: *Metal Sulfide Alloy Nanoparticles: Evaluating Composition Control and Size Consistency*

Corresponding Student Author: *Jaila Lewis*
Student Coauthor(s): *Jordan Jackson; Carolyn Cafro; Clarissa Nguyen; Mahjabin Patrawala*
Faculty Coauthor(s)/Mentor(s): *Dale Moore*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

GENERAL POSTER PRESENTATIONS

P44: Transport and toxicity of methylmercury in a placental cell line

Corresponding Student Author: *Vidya Ganapathy*

Student Coauthor(s): *Simran Vaghela*

Faculty Coauthor(s)/Mentor(s): *Lucy Joshee; Olga Uchakina; Robert J. McKallip; Christy C. Bridges*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Honors Research*

P45: Targeting chronic myelogenous leukemia with imatinib and glycyrrhizic acid combination therapy.

Corresponding Student Author: *Adir Mohaban*

Faculty Coauthor(s)/Mentor(s): *Robert McKallip; Olga Uchakina*

Research Area: *Physical, Natural, and Biomedical Sciences*

P46: Metal Sulfide Alloy Nanoparticles: Electrochemical Band Gap vs. Spectroscopic Band Gap

Corresponding Student Author: *Mahjabin Patrawala*

Student Coauthor(s): *Carolyn Cafro; Jordan Jackson; Jaila Lewis; Clarissa Nguyen*

Faculty Coauthor(s)/Mentor(s): *Dale Moore*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project*

P47: Effects of fluoxetine on rodent cognition and behavior

Corresponding Student Author: *Daniela Agudelo*

Student Coauthor(s): *Ashanti Griggs*

Faculty Coauthor(s)/Mentor(s): *Joshua Rodefer*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project*

P48: Effects of ketamine administration and environmental enrichment during adolescence

Corresponding Student Author: *Fatima Humayun*

Faculty Coauthor(s)/Mentor(s): *Joshua Rodefer*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project; Honors Research*

P49: Educational Videos for Generating Heat Maps of Hg⁰ pollution in ASGM Communities

Corresponding Student Author: *Samantha Brown*

Student Coauthor(s): *Danielle Loving; Kazi Hasan; Keegan Moody; Alaina Dawson; Kathryn Howe*

Faculty Coauthor(s)/Mentor(s): *Adam M. Kiefer; Jeffrey D. Hugdahl*

Research Area: *Physical, Natural, and Biomedical Sciences*

University Programs: *Faculty-led Research Project; Mercer On Mission*

GENERAL POSTER PRESENTATIONS

P50: *Effects of hypothyroidism in prenatal, postnatal, and pre/postnatal development in juvenile rats*

Corresponding Student Author: *Stephany Leal*
Student Coauthor(s): *Alice Yoon*
Faculty Coauthor(s)/Mentor(s): *Katharine Northcutt*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P51: *Biophysical Effects of Mechanical Force on Cell Adhesion*

Corresponding Student Author: *Erin Moore*
Student Coauthor(s): *Zaid Al-Husein; Mason Burton; Fatima Lopez-Sosa; Emma Perdomo; Kathryn Wirth*
Faculty Coauthor(s)/Mentor(s): *Alireza Sarvestani; Chamaree de Silva*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P52: *Thermodynamics of ligand exchange on CdSe quantum dots*

Corresponding Student Author: *Sierra Hathaway*
Student Coauthor(s): *Allison (Allie) Jones*
Faculty Coauthor(s)/Mentor(s): *Joseph Keene*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P53: *Investigating the Enzymatic Activity of the S189D Phosphomimetic Mutation of OGA*

Corresponding Student Author: *Tessa Gebert*
Faculty Coauthor(s)/Mentor(s): *Garland Crawford*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P54: *Lanthionine Synthetase C-like Protein 2: A potential therapeutic target for treating neuropathic pain*

Corresponding Student Author: *David Christy*
Student Coauthor(s): *Dylan W Maixner*
Faculty Coauthor(s)/Mentor(s): *Han-Rong Weng*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P55: *Biofilm Inhibition of Staphylococcus aureus by Mutagenesis*

Corresponding Student Author: *Justin Bloodworth*
Faculty Coauthor(s)/Mentor(s): *Linda Hensel*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Course Assignment*

GENERAL POSTER PRESENTATIONS

P56: Efficacy of the quaternary ammonium chloride disinfectant Zep in a university fitness center

Corresponding Student Author: *Juliana Arenas Velasquez*
Student Coauthor(s): *Jordan Barnett*
Faculty Coauthor(s)/Mentor(s): *Virginia Young*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Course-based Undergraduate Research (CURE)*

P57: Effect of Thermal Simulation on Immune System Cell Proliferation

Corresponding Student Author: *Christina Kinder*
Student Coauthor(s): *Ben Hitchcock; Brittany Tran*
Faculty Coauthor(s)/Mentor(s): *Peter Uchakin*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Course-based Undergraduate Research (CURE); Honors Research; Course Assignment*

P58: Habitual Methamphetamine Self-Administration is Reduced by Chemogenetic Inhibition of the Patch Compartment of the Striatum

Corresponding Student Author: *Katharine Warner*
Faculty Coauthor(s)/Mentor(s): *Kristin Horner; Troy Kendrick*
Research Area: *Physical, Natural, and Biomedical Sciences*
University Programs: *Faculty-led Research Project*

P59: Media and Sentencing in Recent Drug Epidemics

Corresponding Student Author: *Peri Staples*
Faculty Coauthor(s)/Mentor(s): *Eimad Houry*
Research Area: *Public Health and Health Studies*
University Programs: *Honors Research; Course Assignment*

P60: Proximal tubular hypertrophy enhances basolateral uptake of mercury

Corresponding Student Author: *Kayla E. Matta*
Faculty Coauthor(s)/Mentor(s): *Christy C. Bridges; Delon W. Barfuss; Lucy Joshee*
Research Area: *Public Health and Health Studies*
University Programs: *Faculty-led Research Project*

P61: Chemogenetic inhibition of prelimbic cortex reduces habitual methamphetamine self-administration.

Corresponding Student Author: *Priyadharshine Ramesh babu*
Student Coauthor(s): *Ashitha Dama*
Faculty Coauthor(s)/Mentor(s): *Kristen Horner*
Research Area: *Public Health and Health Studies*
University Programs: *Honors Research; Course Assignment*

GENERAL POSTER PRESENTATIONS

P62: *Green Power: Measuring Environmental Organizations' Financial Resources*

Corresponding Student Author: *William Ficklin-Alred*

Faculty Coauthor(s)/Mentor(s): *Derek Glasgow*

Research Area: *Social Sciences*

University Programs: *Faculty-led Research Project; Course-based Undergraduate Research (CURE)*

P63: *GLP-1 agonists improve cerebrovascular integrity and vascular induced cognitive impairment and dementia beyond glycemic control via recovery of brain pericytes functions in diabetic mice*

Corresponding Student Author: *Joseph Bailey*

Faculty Coauthor(s)/Mentor(s): *Mohammed Abdelsaid; Amy Barrett*

Research Area: *Public Health and Health Studies*

P64: *Reduction of Angiotensin II Induced Hypertension and Cardiac Fibrosis with GLP-1 Receptor Agonist and DPP-4 Inhibitor via Decreasing NADPH Oxidase Expression*

Corresponding Student Author: *Trenton E. Banks*

Faculty Coauthor(s)/Mentor(s): *Zhi-Qing Zhao*

Research Area: *Public Health and Health Studies*

P65: *Methamphetamine Induced Immune Dysregulation*

Corresponding Student Author: *Sydney Andrzejak*

Faculty Coauthor(s)/Mentor(s): *Peter Uchakin*

Research Area: *Public Health and Health Studies*

P66: *The Impact of Racial Microaggressions on the Mental Health of South Asian Americans*

Corresponding Student Author: *Shreya Kanukunta*

Faculty Coauthor(s)/Mentor(s): *Eimad Houry*

Research Area: *Public Health and Health Studies*

University Programs: *Honors Research*

P67: *Perfectionism and Rumination: Using Distraction to Help Perfectionists Effectively Respond to Failure*

Corresponding Student Author: *Brette Moore*

Student Coauthor(s): *Lilah Donnelly*

Faculty Coauthor(s)/Mentor(s): *Amy Borchardt*

Research Area: *Social Sciences*

P68: *Insight over Post-Traumatic Stress Disorder and its Portrayal in Classical Literature – A Take on Homer*

Corresponding Student Author: *MacKenzie Hansard*

Faculty Coauthor(s)/Mentor(s): *Derek Glasgow*

Research Area: *Social Sciences*

University Programs: *Course Assignment*

GENERAL POSTER PRESENTATIONS

P69: *Comparative Approaches to Legalization of Marijuana and Factors That Affect Public Opinion*

Corresponding Student Author: *Kory Jarzyk*

Faculty Coauthor(s)/Mentor(s): *Lori Johnson*

Research Area: *Social Sciences*

University Programs: *Honors Research; Course Assignment*

P70: *The Brain Doesn't Lie?: Neuroscience Imaging in Malpractice Lawsuits*

Corresponding Student Author: *Kellie Wydrinski*

Faculty Coauthor(s)/Mentor(s): *Sara Appleby*

Research Area: *Social Sciences*

University Programs: *Honors Research*

P71: *Obstructing Quality Care: Barriers Faced by Nurses When Becoming SANE Certified*

Corresponding Student Author: *Elisabeth Colquitt*

Faculty Coauthor(s)/Mentor(s): *Laura Simon*

Research Area: *Social Sciences*

University Programs: *Course-based Undergraduate Research (CURE)*

P72: *What's God Got to do With It? Examining the Influence of Belief in a Higher Power on Motivations to be a Psychotherapist*

Corresponding Student Author: *Carlin Weinberg*

Student Coauthor(s): *Emily Wallace; Patrick Campbell; Alexa Richardson; Faith Holston; Paul Markham; Mackenzie Andreasen; Madison Dunn; Natalie Sannes; Ashley Pettway; Madison Mermelstein*

Faculty Coauthor(s)/Mentor(s): *Kevin Karl*

Research Area: *Social Sciences*

University Programs: *Faculty-led Research Project; Course-based Undergraduate Research (CURE)*

P73: *Come Together: Similarities and Differences of Psychotherapists with Conservative or Liberal Views*

Corresponding Student Author: *Alexa Richardson*

Faculty Coauthor(s)/Mentor(s): *Kevin Karl*

Research Area: *Social Sciences*

University Programs: *Faculty-led Research Project*

P74: *Urban Design as a Cause of Death? Relationships between Crosswalks and Pedestrian Safety in Macon*

Corresponding Student Author: *Riddhi Patel*

Student Coauthor(s): *Radhika Patel; Nithee Patel*

Faculty Coauthor(s)/Mentor(s): *Riku Kawaguchi*

Research Area: *Social Sciences*

GENERAL POSTER PRESENTATIONS

P75: *Union Formation Amongst College Undergraduate and Graduate Students: A Study of Attitudes and Behaviors*

Corresponding Student Author: *Emily Mixon*

Student Coauthor(s): *Sydney Campbell*

Faculty Coauthor(s)/Mentor(s): *Laura Simon*

Research Area: *Social Sciences*

University Programs: *Honors Research*

P76: *Protecting the Hidden Victims: Helping Families Bond Throughout Incarceration*

Corresponding Student Author: *Taylor Rinberger*

Faculty Coauthor(s)/Mentor(s): *Sara Appleby*

Research Area: *Social Sciences*

University Programs: *Honors Research; Service Scholars*

P77: *Don't You (Forget About Age): How Age Impacts the Reported Effectiveness of Christian Therapy Interventions*

Corresponding Student Author: *Natalie Sannes*

Faculty Coauthor(s)/Mentor(s): *Kevin Karl*

Research Area: *Social Sciences*

University Programs: *Faculty-led Research Project*

P78: *Vaping and social media: How vaping is normalized by e-cigarette companies*

Corresponding Student Author: *Hieu Nguyen*

Faculty Coauthor(s)/Mentor(s): *Eimad C.Houry*

Research Area: *Public Health and Health Studies*