MERCER UNIVERSITY
EIGHTH ANNUAL BEAR DAY
Breakthroughs in Engagement, Arts, and Research
April 5th-6th, 2018
Multiple Cover Designs

The BEAR Day Program is being printed with seven different cover designs. They all have the same schedule inside. These designs were selected from Dr. Luke Buffenmyer’s ART 342 Typography II class.

By Madison Allen
By Sarah Pounds

By Emma Williams
By Claire Hammond
By Giuliana Mayfield

By Sarah Pounds
By Emma Williams
Welcome to BEAR Day 2018 at Mercer University!

Breakthroughs in Engagement, the Arts and Research (BEAR) Day and Engineering Expo Day 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 130 presentations with contributions from over 200 students. At the same time, Engineering Expo Day events feature oral and poster presentations on research and design projects and the annual Freshman Design Competition in the University Center arena, with 200 freshmen, 60 seniors, and 50 honors students participating and presenting in the Engineering Expo program events.

The keynote speaker for BEAR Day 2018 is John Churchill, Ph.D. Dr. Churchill is participating in BEAR Day events as part of the Phi Beta Kappa Visiting Scholar Program. Dr. Churchill was born in Hector, Arkansas, and grew up in Little Rock. He attended Southwestern at Memphis (Rhodes College), the University of Oxford as a Rhodes Scholar, and Yale University where he earned the Ph.D. In 1977. He taught philosophy at Hendrix College in Conway, Arkansas, and was Vice President for Academic Affairs and Dean of the College for 17 years. In 2001 he became national Secretary of the Phi Beta Kappa Society in Washington, D.C., and served in that capacity for almost 15 years.

He lives in retirement with his wife Jean in Dickson, Tennessee. They have three adult children and seven grandchildren. In addition to continuing interest in liberal arts education and the philosophical work of Wittgenstein, his interests include reading fiction, history, and poetry. We look forward to hearing about his career journey and academic experiences in his keynote address.

BEAR Day demonstrates and honors the achievements of students and highlights the depth and breadth of the academic experiences at Mercer. I know you will enjoy 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
# 2018 Schedule at a Glance

## Thursday April 6, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Willingham</th>
<th>McCorkle Music</th>
<th>Hardman Art</th>
<th>Knight</th>
<th>Stetson</th>
<th>SEB</th>
<th>EGC</th>
<th>University Center</th>
<th>Miscellaneous</th>
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## Friday April 7, 2017

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<th>McCorkle Music</th>
<th>Hardman Art</th>
<th>Knight</th>
<th>Stetson</th>
<th>SEB</th>
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<tr>
<td>4:00 PM</td>
<td>University Honors Convocation</td>
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## Color Codes
- Poster Presentations
- Paper Presentations
- Creative Expression
- Competitions
- Awards
- Keynote Address
- Meals
## Bear Day Schedule

### Thursday, April 5th, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am - 5:00 pm</td>
<td>Art Exhibition</td>
<td>Plunkett Gallery, Hardman Hall</td>
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<tr>
<td>11:00 am - 12:00 pm</td>
<td>Lester Lectures: John Churchill “This seems to Destroy Logic”</td>
<td>President’s Dining Room (UC)</td>
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<tr>
<td>4:00 pm - 5:00 pm</td>
<td>General Poster Session I</td>
<td>Heritage Hall, University Center</td>
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<tr>
<td>5:00 pm - 6:00 pm</td>
<td>General Poster Session II</td>
<td>Heritage Hall, University Center</td>
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<tr>
<td>6:30 pm - 7:30 pm</td>
<td>Lester Lectures: John Churchill “Oh, Look! This Isn’t an Argument”</td>
<td>President’s Dining Room (UC)</td>
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### Friday, April 6th, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>9:00 am - 3:30 pm</td>
<td>General Posters available for review</td>
<td>Heritage Hall, UC</td>
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<tr>
<td>9:00 am - 5:00 pm</td>
<td>Art Exhibition</td>
<td>Plunkett Gallery, Hardman Hall</td>
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<tr>
<td>9:00 am - 9:50 am</td>
<td>General Paper Session I</td>
<td>Knight Hall and Stetson 251</td>
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<tr>
<td>9:00 am - 9:50 am</td>
<td>Engineering Expo Freshmen Design Competition</td>
<td>Lobby of Engineering Building EGC</td>
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<tr>
<td>10:00 am - 10:50 am</td>
<td>General Paper Session II</td>
<td>Knight Hall and Stetson 251</td>
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<tr>
<td>10:00 am - 10:50 am</td>
<td>Art Student Awards Ceremony</td>
<td>Plunkett Gallery, Hardman Hall</td>
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<tr>
<td>10:00 am - 10:50 am</td>
<td>Engineering Expo Guest Speaker: Ashlee S. Lane</td>
<td>SEB 110</td>
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<tr>
<td>10:00 am - 11:00 am</td>
<td>University Brass Choir “Bear Brass”</td>
<td>Instrumental Rehearsal Room, Music Building</td>
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<tr>
<td>11:00 am - 11:50 am</td>
<td>Lester Lectures: John Churchill “What is the Shape of a Cat?”</td>
<td>President’s Dining Room (UC)</td>
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<tr>
<td>11:00 am - 11:50 am</td>
<td>Engineering Expo Podium Presentations</td>
<td>SEB 201, and SEB 202</td>
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<tr>
<td>12:00 pm - 12:50 pm</td>
<td>General Paper Session III</td>
<td>Knight Hall and Stetson 251</td>
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<tr>
<td>1:00 pm - 1:50 pm</td>
<td>General Paper Session IV</td>
<td>Knight Hall and Stetson 251</td>
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<tr>
<td>1:30 pm - 2:50 pm</td>
<td>Engineering Expo Poster Presentations of Senior Design, and Research and Engineering Scholars Track</td>
<td>SEB First and Second Floor</td>
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<tr>
<td>2:00 pm - 3:15 pm</td>
<td>General Paper Session V</td>
<td>Knight Hall and Stetson 251</td>
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<tr>
<td>4:00 pm - 5:30 pm</td>
<td>Honors Convocation</td>
<td>Willingham Auditorium</td>
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KEYNOTE ADDRESS

“Oh, Look! This Isn’t an Argument”

Dr. John Churchill

John Churchill was born in Hector, Arkansas, and grew up in Little Rock. He attended Southwestern at Memphis (Rhodes College), the University of Oxford (as a Rhodes Scholar), and Yale University (where he earned the Ph.D. in 1977). He taught philosophy at Hendrix College in Conway, Arkansas, and was Vice President for Academic Affairs and Dean of the College for 17 years. In 2001 he became national Secretary of the Phi Beta Kappa Society in Washington, D.C., and served in that capacity for almost 15 years.

He lives in retirement with his wife Jean in Dickson, Tennessee. They have three adult children and seven grandchildren. In addition to continuing interest in liberal arts education and the philosophical work of Wittgenstein, his interests include reading fiction, history, and poetry.
GENERAL POSTER PRESENTATIONS
Heritage Hall, University Center
Thursday April 5, 2018
4:00 - 6:00 PM

Odd-numbered posters will be presented from 4:00-5:00pm and even-numbered posters from 5:00-6:00pm. All project authors are listed, along with their faculty mentor(s).

1. **Shane Buerster, Ben West, Carter Varga**, "Z Beans Coffee"; Faculty Mentor: Dr. Craig McMahan
2. **Seo Ho Kim, John Franco, Catie Josselet, Victoria Bahena**, "Macon Hispanic Health Care"; Faculty Mentor: Dr. Jose Pino
3. **Hye Yoon, Julia Chong, Sang Wook Lee**, "Promotion of the Mission of Mercer University School of Medicine"; Faculty Mentor: Jaehwa Choi, Ph.D.
4. **Julia Chong, Sang Wook Lee**, "Study Resources for USMLE Step 1"; Faculty Mentor: Jaehwa Choi
5. **Sang Lee, Julia Chong**, "Predicting the Outcomes of USMLE STEP 1"; Faculty Mentors: Choi, Jaehwa, Brad Lian
6. **Nicholas Hardeman**, "Medical Brain Drain in Cuba"; Faculty Mentor: Dr. Houry
7. **Kebe Sahid, Ted Dorfeuille**, "Developing Immersive Open Source VR Systems for Surgical Training"; Faculty Mentor: Andrew J. Pounds
8. **Arjit Saxena, Ted Dorfeuille**, "Development of a Virtual Reality Simulator for Neurosurgical Instruction"; Faculty Mentors: Dr. Andrew Pounds, Richard A. Rowe, MD
9. **Matthew Halbert**, "Optimizing a High Throughput Kinome Screen to Identify Novel Radiosensitizers for Pediatric Brain Tumors"; Faculty Mentor: Dr. Vijay Ramaswamy
10. **Peter Schultz**, "Is Culture Enough?"; Faculty Mentor: Tanya Sharon
11. **Alexis Lott, Meghan Gaddis**, "The Interplay of Society, Socioeconomics, and Health in the Roma Settlement of Hexamilia, Greece"; Faculty Mentor: Achim Kopp
12. **Joseph Muldrew**, "Mental Health Literacy and Religiousness"; Faculty Mentor: Dr. Brad Lian
13. **Kaitlyn Ellington**, "The Efficacy of Interventions for Indoor Tanning: How Individual Decision-making Style and Presentation of an Intervention Impact Tanning Behavior"; Faculty Mentor: Tanya Sharon
14. **Camille Karren, Saundra Latimer**, "A pilot study concerning the effects of meditation on arousal between different rumination levels"; Faculty Mentor: Amy R. Borchardt
15. **Karishma Patel**, "How Have Youth Sexual Knowledge, Attitudes, and Behaviors Changed in Maharashtra, India Since Modern Globalization?"; Faculty Mentor: Dr. Obidooa
16. **Yael Tessler**, ""Don’t Overdo the Inbetweenness”: The Relationship Between Popular Print Media, Society, and Teen Girls in the 1950s and 1980s."; Faculty Mentor: Robert Good
17. **Rylee Kirk, Julia Partain, Laurel Huster**, "An Analysis of Racial Bias in Media Coverage Regarding Charlottesville."; Faculty Mentors: Laura C. Fong, Jay Black
18. Sarah Myers, "Building a Conceptual Model of the Interaction between Climate Change and Gender in Africa"; Faculty Mentor: Dr. Chinekwu Obidoa
19. Dhara Patel, "The Effect of Tobacco Taxes on Crime Rates"; Faculty Mentor: Antonio Saravia
20. Elizabeth Kingery, Hannah Mae Deems, "‘Don’t Miss Out!’: Using Emotions to Influence Social Media Engagement"; Faculty Mentor: Lane Wakefield
22. Lucas Slotsema, "Empowering the People: Republicanism in Machiavelli's *The Prince*"; Faculty Mentor: Kevin Honeycutt
23. Kate Christian, "Decoding Letters and Sounds"; Faculty Mentor: Dr. Vicki Luther
24. Wilson Lyndell, "Using Action Research Techniques to Enhance Reading Support in Elementary Classrooms"; Faculty Mentor: Dr. Luther
25. Allie Stroman, "It’s Never Too Late: Using Rime and Analogy to Improve the Phonological Awareness of Struggling Readers in the Upper Elementary Grade Levels"; Faculty Mentors: Dr. Vicki Luther, Dr. Sybil Keesbury
26. Anna Sampson, Grace Maloney, "STEM Education and Student Self-Efficacy"; Faculty Mentors: Justin Ballenger, Sabrina Walthall, Donald Ekong
27. Jesse Drew, Gustavo Gonzales, Martin Reyes, "Wood Planer Machine"; Faculty Mentor: Hodge Jenkins
28. Nathan Pylant, Alan Howard Jr., Ellison Wissmach, "Warehouse Route Optimization"; Faculty Mentors: Dr. Pablo Biswas, Dr. Scott Schultz
30. Hannah Gulle, Lauren Fowler, Maggi Sledjeski, Ted Dorfeuille, "Efficient and Accurate Numerical Gradient Calculations"; Faculty Mentor: Andrew J. Pounds
31. William Darragh, "The Mercer Bear Prime"; Faculty Mentor: Bob Allen
32. Robert Colvin, "Using a Genetic Algorithm to Tune N-Body Simulations"; Faculty Mentor: Dr. Andrew Pounds
33. Bharani Gudla, "Development of Fluorescence In-Situ Hybridization for localization of long non-coding RNAs in skeletal muscle"; Faculty Mentor: Clay Pandorf
34. Kelby Flourney, Christy Bure, "A non-coding antisense transcript is a potential regulator of Myh7 gene in skeletal muscle"; Faculty Mentor: Dr. C. Pandorf
35. Vaishnavi Narain, "Varying doses of mercuric cyanide uptake in target tissues"; Faculty Mentor: Christy Bridges
36. Shivani Dhir, "Inhibition of protein arginine methyltransferase 4 (CARM1) alters early steps in adipogenesis"; Faculty Mentor: Dr. Richard B. Meagher
37. Jamie Haines, Birva Patel, "The effects of striatal patch compartment lesions on methamphetamine-induced condition place preference"; Faculty Mentors: Dr. Kristen Horner, John Thomas Scott
   ; Faculty Mentors: Dr. Robert McKallip, Olga Uchakina

39. **Chidi Ojukwu**, "Role of CD44 signaling in the regulation of oxidative stress and its impact on the development of therapy resistant chronic myeloid leukemia."
   ; Faculty Mentor: Robert McKallip

40. **Lillian Perry Hicks**, "Synthesis of Fluorescent Silica Nanoparticles for Contact Hypersensitivity Studies"
   ; Faculty Mentors: Lisa A. DeLouise, Joseph D. Keene

41. **Caroline Kittrell, Shailey Shah**, "Exploring familial relationships between lanthipeptides of *Salinispora*"
   ; Faculty Mentor: Dr. Emliamne Limbrick

42. **Dylan Scott, Matthew Halbert, Caroline Krittell, Shailey Shah**, "Analysis and characterization of lanthipeptide biosynthetic gene clusters in Salinispora"
   ; Faculty Mentor: Dr. Emliamne Limbrick

43. **Sarah Burch, Amy Varghese**, "Ectoparasite induced behavioral changes in Harvestmen"
   ; Faculty Mentors: Dr. Michael Moore, Dr. Virginia A. Young

44. **Amber Jablonski, Savannah Cooper, Kacey Smith**, "Making a pee line for it: How squirrels antagonistically respond to fox urine"
   ; Faculty Mentors: Jarred Jenkins, Katharine Northcutt, Jeff Pullen, Chamaree de Silva

45. **Jack Xhemali, Oriana Hollingsworth**, "Uncovering the Smoky Pathway to Growth in Arabidopsis"
   ; Faculty Mentor: Dr. John Stanga

46. **Ashanti Griggs, Haleigh Smith, Frederick Williams**, "Behavior Patterns in Response to Predatory Stimulus in Eastern Grey Squirrels"
   ; Faculty Mentors: Jarred Jenkins, Katharine Northcutt, Jeff Pullen, Chamaree de Silva

47. **Nigel D’Souza, Garren Belflower**, "Vegetative Propagation of the Endangered Plant Silene catesbaei"
   ; Faculty Mentor: Heather Bowman Cutway

48. **Erin Moore, Anisah Muhammad**, "Vehicular and Pedestrian Noises Have No Significant Effect on FID of Eastern Grey Squirrels"
   ; Faculty Mentors: Jarred Jenkins, Katharine Northcutt, Jeff Pullen, Chamaree de Silva

49. **Joshua Barger**, "Evolution of the Vertebrate Eye"
   ; Faculty Mentor: Craig Byron

50. **Sachin Khurana**, "Using Impression Management to Predict Attendance and Ticket Sales"
    ; Faculty Mentor: Dr. Lane Wakefield
The Mercer University Brass Choir conducted by Dr. Douglas Hill will perform an eclectic program of brass works for the full “Bear Brass” as well as music for smaller ensembles Horn Quintet and Trombone Quartet. The program guarantees a variety of brass music sure to fit the tastes of brass lovers from across the Mercer community!

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<th>Trumpets</th>
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<th>Trombones</th>
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<td>Ryan Rodriguez</td>
<td>Nick Smith</td>
<td>Jacob Serrett</td>
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<td>Reagan Sanders</td>
<td>Joelle Hitechew</td>
<td>Samson DeFreitas</td>
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<td>Terrell Kong</td>
<td>Ana Hunt</td>
<td>Aaron Armstrong</td>
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<td>Keaton Byrd</td>
<td>Gus Campbell</td>
<td>Matthew Ezeh-Bass</td>
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<td>Will Kerdasha</td>
<td>Paul King</td>
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<td>Euphoniums</td>
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<td>Kyle Wegner</td>
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<td>Cody Taylor</td>
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<td>Mikaela Pavin</td>
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GENERAL ORAL PRESENTATIONS
Friday April 6, 2018

Each presentation should last approximately 20-25 minutes, including Q & A. The second presentation will begin at 25 minutes after the hour. Sessions with three presenters will run 75 minutes with the third presentation beginning 50 minutes after the hour. All project authors are listed with their faculty mentor(s).

9:00 - 9:50

1. KNT 100
Moderator: Jose Pino
Sophie Leveille, "After School Music for Refugee Students"; Faculty Mentors: Dr. Malone, Dr. Houry, Dr. Hill
Mary Martinez, "How does the news media frame refugees over a specified period of time?: A case study of English-language South Korean newspapers’ framing of North Korean refugees."; Faculty Mentor: Dr. Eimad Houry

2. KNT 101
Moderator: Ania Rynarzewska
Miranda Stephen, Cole Porter, Jayla Moody, Suzanna Arul, "Global Citizenship Education for All"; Faculty Mentor: Dr. Lisa Vu
Jordin Post, "The Truth about Exports and Growth: G7"; Faculty Mentor: Geoffrey Ngene

3. KNT 104
Moderator: Anna Weaver
Catherine Gumarin, "Cookbooks as Black History: A Critical Analysis of Freda DeKnight’s A Date with a Dish"; Faculty Mentor: David Davis
Adam Landin, "The Waffle Buddy Waffle Cutter"; Faculty Mentor: Briana Stenard

4. KNT 203
Moderator: Lori Johnson
Vivian Goodwin, "“But when I look for his father in his face, I find her every day more!": Catherine II and Hareton Earnshaw as Subversive Feminist Characters"; Faculty Mentor: Dr. Anya Silver
Meghan Duffey, "The Silencing of Clytie Sutpen"; Faculty Mentor: David Davis
5. KNT 303
Moderator: Achim Kopp
Casandra Malcolm, "The Emperor Has No Clothes: An Examination of the Impact of Charles I of England's Death on English Men's Fashion"; Faculty Mentor: Gary Richardson
Trevor Langill, "The Stylistic Choices of T. Livius Patavinus in Ab Urbe Condita"; Faculty Mentor: Dr. Achim Kopp

6. KNT 304
Moderator: Hanan Trotman
Madeline Bobo, "Big Boys Don't Cry: Examining the Suppression of Emotions in Male College Students"; Faculty Mentor: Dr. Winston
Marley Hayes, Ariana Gonsalves-Barreiro, "I Love Me, I Love Me Not: Factors Influencing Body Image"; Faculty Mentor: Dr. Winston

7. KNT 308
Moderator: Fletcher Winston
Erica Duncan, "Federal Funding of Syringe Exchange Programs in the United States"; Faculty Mentor: Elaina Behounek
Quinten Oppong, "Universal Healthcare: A Universal Idea or An Unrealistic Expectation"; Faculty Mentor: Fletcher Winston

8. STN 251
Moderator: Joe Keene
Hicks Lillian Perry, "Isothermal titration calorimetry study of the ligand exchange of oleate-CdSe quantum dots with pyridine"; Faculty Mentor: Joseph D. Keene
Zachary Di Giusto, "Quantifying the Thermodynamics of the Surface Modification of Oleate-capped CdSe Quantum Dots with Dodecylphosphonic Acid via Isothermal Titration Calorimetry"; Faculty Mentors: Joseph Keene, Andrew Pounds

10:00 - 10:50

1. KNT 100
Moderator: Amy Nichols-Belo
Mallory Sammons, "The Undesired Unborn: How Society Usurps Nature as Selector of the Species"; Faculty Mentor: Eimad C. Houry
Sarah Barry, "Measuring Interpersonal Trust in Rural Ecuador"; Faculty Mentor: Dr. Antonio Saravia
2. KNT 101

Moderator: Geoffrey Ngene
Khatija Sajid, "The relationship between the real exchange rate and capital account: The case for South Africa"; Faculty Mentor: Dr. Kenneth Tah
Yea Kim, Jinghua Wang, "Who Poisons the Pool? Asymmetric and Nonlinear Causal Inference between Investment and Speculative Bonds"; Faculty Mentor: Geoffrey Ngene

3. KNT 104

Moderator: Darline Flaming
Fernandez Elliot James, "WoLakota: An Introduction to Lakota Culture"; Faculty Mentor: Laura Fong
Ethan Thompson, "Hunter Godsey"; Faculty Mentor: Debbie Blankenship

4. KNT 203

Moderator: Ed Weintraut
Preston Earle, "Shallow Hal & Don Quixote"; Faculty Mentor: Dr. Clara Mengolini
Austin Bass, "Julius Caesar's Involvement in the Catilinarian Conspiracy"; Faculty Mentor: Achim Kopp

5. KNT 303

Moderator: Carolyn Yackle
Brianna Stone, "AND THEIR SONG WILL NOT GO UNSUNG: The Marginalization of Black Midwifery in South Georgia by the Georgia Department of Public Health"; Faculty Mentor: Matt Harper
Catie Byrd, "Racial Disparities in Healthcare as Related to Foucault and Biopower"; Faculty Mentor: Vasile Stanescu

6. KNT 304

Moderator: Stephanie Morris
Ariele Carswell, "Classroom of the Future or Inferior Model?: Student Attitudes Toward Mercer Online Courses"; Faculty Mentor: Fletcher Winston
Olivia Pitzini, "Eat, Sleep, Study: Factors That Influence College Students’ Academic Achievement"; Faculty Mentor: Fletcher Winston

7. KNT 308

Moderator: Keegan Greenier
Kim Tuyen Dangova, "STD Trends Among The Aging Population in Central Georgia"; Faculty Mentors: Mary Mathis, Brad Lian
Ashley Batten, "Reducing the Lack of HIV Intervention in Communities of Low Socioeconomic Status"; Faculty Mentor: Mary Mathis
8. STN 251

Moderator: Barry Stephenson

Matthew Halbert, Dylan Scott, "Classification and Biosynthesis of Lanthipeptides in Salinispora"; Faculty Mentor: Emiliianne M. Limbrick

Mary Catherine Barnes, Taylor Mathis, Hannah George, Sarah Orr, "Effect of Selenium on Mercuric Ion Disposition in Rats"; Faculty Mentors: Dr. Christy Bridges, Lucy Joshee

12:00 - 12:50

1. KNT 100

Moderator: Clara Mengolini

Samuel Dunklin, "How exposure to health disparities impacts students"; Faculty Mentor: Eimad Houry

Angela Lent, Brianna Levin, "Cape Town Connections"; Faculty Mentor: Dr. Lisa Vu

2. KNT 101

Moderator: Juanita Forrester

Tyler Boardo, "What is all the hype about?"; Faculty Mentor: Ania Rynarzewska

Shane Buerster, "Cognitive vs. Affective Advertisement: An Analysis of Coffee Purchasing Intention"; Faculty Mentor: Dr. Ania Rynarzewska

3. KNT 104

Moderator: Janell Johnson

Stephanie Daube, "Portraits Hidden: Women Artists’ Expressions of Identities"; Faculty Mentor: Beth Stewart

Anne Fair, "Buffy, Foucault, and "The Potentials""; Faculty Mentor: Dr. Vasile Stanescu

4. KNT 203

Moderator: Sylvia Bridges

Madeline Cole, "The Magnetism of Attraction and Repulsion Within O’Connor’s Wise Blood, The Violent Bear It Away, and ‘A View of The Woods.’"; Faculty Mentor: Dr. David Davis

Ashlyn Rebel, "Colorblindness: Seeing Red in O’Connor’s Woods"; Faculty Mentor: Dr. David Davis

5. KNT 303

Moderator: Robert Good

Trevor Odom, "The Secession of Florida from the Union: Viewpoints of its Secession in 1861 and How Florida was Manipulated by a Small Group of Politicians"; Faculty Mentor: Dr. Matthew Harper

Abigail Standard, "‘Advocating for the ‘Children of the Forest’: Reverend Lee Compere’s Disagreement with Georgia Baptists over the Removal of Alabama Creeks, 1822-1832.’"; Faculty Mentor: Dr. Matt Harper
6. KNT 304
Moderator: Shan Ran
Twinkle Suthar, "Illusion of Diversity?: Student Involvement in Multicultural Organizations on College Campus"; Faculty Mentor: Dr. Winston
Nova Ward, Isaiah Buehler, "Fight or Flight: What Factors Contribute to Participating in Contact Sports?"; Faculty Mentor: Fletcher Winston

7. KNT 308
Moderator: Cynthia Robertson
Emily Herron, "Applying Image Feature Extraction to Cluttered Scientific Repositories"; Faculty Mentor: Amy Wiles
Christopher Le, "Mercury Chelators -- Unraveling Discrepancies Between Theory and Experiment"; Faculty Mentor: Andrew Pounds

8. STN 251
Moderator: Breonna Martin
Sarah Orr, Mary Catherine Barnes, Lucy Joshee, "Potential Mechanisms of Inorganic Mercury Intoxication in Rat Kidney Cells"; Faculty Mentor: Dr. Christy Bridges
Perry Kezh, Liz Dreggors, "A yeast growth assay to investigate the genes required for viability in an environment lacking sulfur or nitrogen"; Faculty Mentor: Amy Wiles

1:00 - 1:50

1. KNT 100
Moderator: Margaret Symington
Melissa Henriques, "It takes a "C.L.I.Q.U.E."; Faculty Mentor: Lisa Vu
Bailey Brady, Kay Bush, Julia Partain, "Ronald McDonald House Teen Board"; Faculty Mentor: Dr. Trogden/ Dr. Mary Alice Morgan

2. KNT 101
Moderator: Ken Tah
Shivani Sharma, "Oil Prices and Economic Performance"; Faculty Mentor: Geoffrey Ngene
Xiangming Ren, Sachin Khruana, "Relationship between Housing Price and GDP"; Faculty Mentor: Geoff

3. KNT 104
Moderator: Alana Alvarez
Kazi Hasan, "Catholicism and A Short Account of the Destruction of the Indies"; Faculty Mentor: Alana V. Alvarez
Emily Bartlett, "The Sufferings of the Human Existence as Explored by César Vallejo"; Faculty Mentor: Dr. Alana Alvarez
4. KNT 203

Moderator: Elizabeth Harper

Macelyne Williams, "She is Tolerable, but Not Handsome Enough": Commodification and First Impressions in Pride and Prejudice"; Faculty Mentor: Jonathan Glance

Chelsea Carr, "Striving to Live a Life without Illusions: Defamiliarization in the Plays of Anton Chekhov"; Faculty Mentor: Andrew Silver

5. KNT 303

Moderator: Scott Nash

Emily Robertson, "The Division of Enslaved Families at Jarrell Plantation During the Antebellum Period"; Faculty Mentor: Dr. Matt Harper

Tamara Andrews, "Seeing Reason: Land Ownership and Racial Identity in the Reconstruction Era South"; Faculty Mentor: Matt Harper

6. KNT 304

Moderator: Bryan Whitfield

Anna Leigh Nix, "Feelin' Frisky: Student Attitudes towards Police-Community Relations"; Faculty Mentor: Dr. Fletcher Winston

Rodriquez Bundrage, "Students Attitudes towards the Prevalence of Racial Profiling"; Faculty Mentor: Fletcher Winston

7. KNT 308

Moderator: Rosalind Simson

Jordan Strawberry, "Legal or Not? Marijuana Comes Out of the Closet"; Faculty Mentor: Dr. Winston

Morgan Prillaman, Diana Gomez, "Netflix and Chill: Mercer Students' Attitudes Towards Hookup Culture"; Faculty Mentor: Dr. Winston

8. STN 251

Moderator: Garland Crawford

Sumeja Aljic, Keegan Moody, "Rapid Mapping of Mercury Concentrations in Peruvian Artisanal and Small-scale Mining Communities."; Faculty Mentors: Dr. Adam Kiefer, Dr. Craig McMahan, Dr. Alana Alvarez

James Franklin, "Using computer simulation to find a novel inhibitor for cholera toxin"; Faculty Mentor: David Goode

2:00 - 2:50

1. KNT 100

Moderator: David Nelson

Chase Laudenslager, "Evaluating Intercultural Competence: A Case Study of Mercer University’s Short Term Study Abroad Programs"; Faculty Mentor: Dr. Houry Beasley Kayla, "The Impact of the Peace Corps"; Faculty Mentor: Eimad Houry
2. KNT 104

Moderator: Kevin Honeycutt

Raj Patel, "The Problem of Equality: Comprehending The Status of Individualism in an Egalitarian Age Through Friedrich Nietzsche and Alexis De Tocqueville"; Faculty Mentor: Dr. Will Jordan

Alize' Mitchell, "Theories of Punishment in Relation to Drug Offenders"; Faculty Mentors: Dr. Rosalind Simson, Dr. Jordan, Dr. Saravia

Macie Lee, "Coloring Morality: An Analysis of Racism as an Ethical Issue"; Faculty Mentors: Dr. Marc Jolley, Dr. Ritchie

3. KNT 203

Moderator: Jonathan Glance

Ashley Melugin, "Inaccuracies and Armor in Filmed Versions of Henry the Fifth"; Faculty Mentor: Dr. Gary Richardson

April Myerscough, "A Merry War of Words: Language and Adaptation in Much Ado About Nothing"; Faculty Mentor: Dr. Glance

4. KNT 303

Moderator: Matt Harper

Hannah Robinson, "Psychological Trauma in British Abolitionist Rhetoric"; Faculty Mentor: Dr. Matt Harper

Joseph Jackson III, "The Election of Discontent: Moral Foundations Theory and the 1979 British General Election"; Faculty Mentor: Dr. Robert Good

5. KNT 304

Moderator: Curtis Herink

Emily Dokken, "Commended or Condemned: Student Views toward Interracial Romantic Relationships"; Faculty Mentor: Dr. Winston

Emily Poole, "Progress or Pretense? A Look at Race Relations on a College Campus"; Faculty Mentor: Dr. Fletcher Winston

6. KNT 308

Moderator: Lydia Masanet

Emma Brown, "Going to the Chapel: Factors Influencing Desired Age at First Marriage in Millennials"; Faculty Mentor: Dr. Fletcher Winson

Brittany Johnson, "Student Perceptions of the Foster Care System"; Faculty Mentor: Dr. Fletcher Winston

7. STN 251

Moderator: Craig Byron

Kalon Hightower, "The Relationship between Population Health and Economic Development: Why does Zipcode matter?"; Faculty Mentor: Mary Mathis

Sydney Koenig, "Role of the “tunnel loop” in mediating resistance to α-methyl benzyl thiourea inhibitors that target the Varicella-zoster virus portal protein"; Faculty Mentors: Dr. Robert Visalli, Melissa Visalli
Mercer University’s Award-Winning Literary and Arts Magazine.

Please join The Dulcimer staff, artists, and friends in celebrating the release of our annual literary arts publication!

April 6, 6:30 p.m.
in “The Margin,”
Willingham Room 12
www.mercerdulcimer.com

Light refreshments will be served
and free copies of the magazine
will be available.

THE DULCIMER
RELEASE PARTY
- for our 2018 issue:

Spectrum

Mercer University Art Department Senior Art Show 2018

SENIOR EXHIBITION

Reception:
Friday, April 27
6:00 - P.M.

Tubman Museum
310 Cherry St.
Macon, GA 31201
# ACKNOWLEDGEMENTS

**Thank you, Faculty and Staff, for making BEAR Day a success.**

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Plus anyone who volunteered after this program went to print.
BEAR DAY COMMITTEE

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Deidra Bauld
Debbie Blankenship
Kevin Bucholtz
Craig Coleman
Madeline Domino
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