Schedule of Events

7:30 – 8:30 a.m. POSTER PRESENTATIONS
Carlyle Campbell Library

Pharmaceutical Effects on the Electrophysiology of Invertebrate Organisms
Sarah Ainsley, Katelyn Espenship

The Relationship between Stress and Perceived Control on Psychological and Academic Outcomes in College Students
Megan Anderson

Analyzing the Function of Hand Gestures in Language Learners
Donna Bahena

Finding Liberal and Neoliberal Perspectives in Domestic and International News
Anna Bolton

Assessing the Potential of the Plant Natural Compound Oxymatrine as an Inhibitor of Enzyme HIV protease
Yousra Bouzaghar, Josh Avellanet

The Perception of Arts Integration by Current Teachers
Elizabeth Branch

Isolation of the oprF Gene in Pseudomonas aeruginosa and Its Association with Virulence Factors
Abby Collins

Effects of Female Education on Decision Making Power in Ethiopia
Katelyn Espenship, Katherine Murphy

Determining the Protection Differences in SPF 15, 30, 50, and 70 of Coppertone® Sport™ Sunscreens
Wendy Espinoza

Asset-Based Needs Assessment for the Latina Students at Meredith College
Elizabeth Evans, Laura Pope

The Effects of Music on Measures of Perceived Exertion at Metabolic Indices during Incremental Test to Exhaustion on a Cycle Ergometer
Kiara Hailey

Potential Foodborne Pathogen Transmission Sites in Grocery Stores
Mary Harris

Effects of Humanizing Ayurvedic Medicine
Huma Hashmi

Classroom Management Options for NC Teachers
Allyson Heath
The Relationship of Romantic Partner Attachment to Length of Romantic Relationship and Similarities in Religious, and Political Beliefs
Davis Holt

Development of a Sampling Method to Analyze the Human Oral Microbiome
Kellie Jacobs, Jennifer Trojak

Metabolic Trend Line of Triglycerides Post-Consumption
Nabiha Khan, Alexandra Ridall

Identifying the Difference in Oil Composition in USDA-organically vs Conventionally Grown Plants
Sarah Kincaid

Specific Fears and Family Heritage
Allison Koziel Bolla

How Stress and Resilience Relate to the Fulfillment of Expectations among Female College Students
Temperance Lampe, Danielle Todd

Development of a REDCap-based Instrument for Investigating Environmental and Genetic Risk Factors of Multiple Sclerosis
Briana Landis

The Effects of Branched-Chain Amino Acids, Protein, and Carbohydrates on Performance Exertion after High-Intensity Exercise in Females
Jessica Lane

Research and Design of General Chemistry Atomic Structure Lab
Barbara Levengood

Belongingness and Resiliency as Buffers for Stress among Adolescents in a High-Intensity Academic Environment
Alyson Mann

Isolation and Purification of sipA Gene from Salmonella typhimurium
Lauren Mason

Personality and Self-Efficacy as Predictors of Loneliness and Belongingness in Adolescents
Colleen McKeel

Coliform Counts in Local Recreational Water Sources around Meredith College Campus
Amanda McLain, Abby Collins

An Epithelial Cell Migration Assay to Model One Possible Mechanism of Cleft Palate Formation
Sierra Moorefield, Barbara Abbott, David Belair

Normative Data for the T-Test for College-Aged Females
Kendall Motsinger, Alexis Healey

Assessment of the Effect of Hairstyle on Perception of Authority in College Aged Students
Katherine Murphy
Using Pulse Wave Velocity to Determine the Effect of Gravity on the Cardiovascular System
Sydney Pollock

Perceptions of Pre-Kindergarten and Kindergarten Teachers on the Role of Empowerment on the Socio-Emotional Development of Young Children
Elizabeth Riley

What Would the Founding Fathers Say about the Institutions of the Modern U.S. Government?
Sidney Shank, Nour Nachet

Extraction of Natural Products from Magnolia Grandiflora L.
Mary Sharkawy, Kiara Torres

Study Abroad’s Relationship to Resilience in Undergraduate College Students
Shannon Stancu-Goldberg

Isolation and Purification of NZ_HG964462.1 Gene from Mycobacterium austroafricanum
Christina Stanhope

Microwave-Assisted Friedel-Crafts Reactions
Michelle Blair Starling

Role of Microenvironmental Conditions on Biomass Transport by Atta cephalotes in Costa Rica
Katelyn Steadman, Miranda Daughtry, Maddie Hubbard, Jada Labriado, Celeta Smith, Samantha Smith, Kassidy Thames, Anderson Woodson

Isolation of Bioluminescent luxY gene from Aliivibrio fischeri
Jennifer Trojak

The Building of a Computer on a Budget Used for Meredith College Chemistry Department
Calla Tyrrell

Surveillance of Antibiotic Resistant Bacteria in Resident Canada Geese (Branta canadensis)
Teddi Utt, Jessica Adams, Rachel Jones, Rana Saber, Andrea Sequiera Robles

Quantitative Analysis of Ascorbic Acid in Food Products & Cosmetics
Allie Ward, Georgia Kimbell

DNA Extraction and PCR Product of Salmonella typhimurium Gene invA
Rakeal Williamson

The Philosophy of #FakeNews
Rachel Crawford
MORNING CONFERENCE SESSIONS

Studies of College Students, ASD Therapies, & Memory
Ledford 101

8:30 - 8:50 a.m.  
Study Behavior and First Test Performance in College Students
Kayla Stange

8:55 - 9:15 a.m.  
The Effect of Mismatched Behavioral Expectations on Female Friendships
Sandra Taranhike

9:20 - 9:40 a.m.  
It’s Just Too Much: Members’ Use of Resources to Cope with Burnout in Student Organizations
Anne Morin

9:45 - 10:05 a.m.  
The Relationship Between Identity Status and Conformity Among High-Achieving Adolescents
Danielle Todd

10:10 - 10:30 a.m.  
Measuring the Interaction of Music and Social Engagement in a Preschool Aged Child with Autism
Lily Stavish

10:35 - 10:55 a.m.  
The Effect of Doodling and Fidgeting on Memory
Mayson Stowers

Sociocultural Identity, Norms, Struggles, & Language
Ledford 111

8:30 - 8:50 a.m.  
True Love Waits?: Silver Rings, Born Again Virgins, and the Rise of American Purity Culture
Molly Smerko

8:55 - 9:15 a.m.  
The Two Faces of Fashion: Arguments For and Against a More “Sustainable” Future in the Industry
Sarah Bethel

9:20 – 9:40 a.m.  
An Identity Crisis: The Identity Development of DREAMers Post-DACA Termination
Maritzelena Chirinos

9:45 - 10:05 a.m.  
The Spanish of Puerto Rico: Its Richness and Identity
Paola De La Rosa

10:10 - 10:30 a.m.  
A Linguistic Approach to Justice and Charity
Belle Williams

Nutrition & Human Performance
SMB 162

8:30 - 8:50 a.m.  
The Effects of 8-Week Physical Education Courses on Anxiety and Body Image
Sarah Du Bose

8:55 - 9:15 a.m.  
Motivation Types and Fulfillment of Psychological Needs on Physical Exercise Participation
Courtney Howell

9:20 - 9:40 a.m.  
Effects of Branched Chain Amino Acids, Protein, and Carbohydrates on Running Time to Exhaustion in Females
Anna Huff

9:45 - 10:05 a.m.  
Effects of Pre-workout Supplementation on Cardiac Function during Resistance Exercise and Recovery
Cassie Padilla

10:10 - 10:30 a.m.  
Effects of Rest Intervals on Repetitions to Fatigue and Blood Lactate during the Bench Press Exercise
Ava Rio-Anderson
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:35 - 10:55 a.m.</td>
<td>The Effects of Internal, Proximal, and Distal External Focus Cues on Exercise Performance</td>
<td>Cooper Rodriguez</td>
</tr>
<tr>
<td>11 - 11:20 a.m.</td>
<td>The Effects of Fasted or Fed state on Physiological Measures of Aerobic Performance in Women</td>
<td>Megan Tarpey</td>
</tr>
<tr>
<td>8:30 - 8:50 a.m.</td>
<td>Topology of Coin Configuration Spaces</td>
<td>Haley Ervin</td>
</tr>
<tr>
<td>8:55 - 9:15 a.m.</td>
<td>Effect of Extended Aromatic Character on Triazole Sensors for Ion Detection</td>
<td>Jessica Bunn</td>
</tr>
<tr>
<td>9:20 - 9:40 a.m.</td>
<td>Quantitation of B-vitamins in Vitamins and Multivitamin pills using reverse-phase High Performance Liquid Chromatography</td>
<td>Sarah Ainsley, Erica Occena</td>
</tr>
<tr>
<td>9:45 - 10:05 a.m.</td>
<td>Specific Strains of Bacteria Allow for Neurobehavioral Development in Zebrafish</td>
<td>Allison Kvasnicka</td>
</tr>
<tr>
<td>10:10 - 10:30 a.m.</td>
<td>Tylosema: Regeneration from Tissue Culture and Investigation of Nitrogen-Fixing Genes</td>
<td>Anna Mangum</td>
</tr>
<tr>
<td>10:35 - 10:55 a.m.</td>
<td>Crayfish Symbiont Response to Invasion in the Northwestern United States</td>
<td>Anderson Woodson</td>
</tr>
<tr>
<td>8:30 - 8:50 a.m.</td>
<td>Sinful Caravaggio, Sick Bacchus</td>
<td>Tishya Robertson</td>
</tr>
<tr>
<td>8:55 - 9:15 a.m.</td>
<td>Preservation Culture, Performance, and Contemporary Native American Art</td>
<td>Tori Burke</td>
</tr>
<tr>
<td>9:20 - 9:40 a.m.</td>
<td>The Meaning of Making</td>
<td>Annie Poslusny</td>
</tr>
<tr>
<td>9:45 - 10:05 a.m.</td>
<td>Portraits of Construct: Édouard Manet’s Portraits of Berthe Morisot</td>
<td>Hannah Southern</td>
</tr>
<tr>
<td>10:10 - 10:30 a.m.</td>
<td>Honesty and Unflinching Truth in an Age of Idealism</td>
<td>Annie Poslusny</td>
</tr>
<tr>
<td>10:35 - 10:55 a.m.</td>
<td>Death and Malevolence in Caravaggio’s Salome Receiving the Head of John the Baptist</td>
<td>Hannah Southern</td>
</tr>
<tr>
<td>8:30 - 8:50 a.m.</td>
<td>Researching the First-Year: A Study of How and What to Communicate for Student Success</td>
<td>Rachael Nicholos</td>
</tr>
<tr>
<td>8:55 - 9:15 a.m.</td>
<td>Cable Television Subscriptions Drop as the Media Industry Transitions</td>
<td>Julia Allsbrook</td>
</tr>
<tr>
<td>9:20 - 9:40 a.m.</td>
<td>The Effect of Social Media Usage on a Student’s Overall Study Abroad Experience</td>
<td>Aubrey Haigler</td>
</tr>
</tbody>
</table>
9:45 - 10:05 a.m.  #Sponsored: How Influencer Marketing Promotes Success in Business
Danielle Adams

10:10 - 10:30 a.m.  The Amazing Story: National Retail Federation Challenge
Allison High, Patricia Kalevas

10:35 - 10:55 a.m.  The Relationship Between Social Media Use and Self-Objectification in College Women
Alexandra Kandah

11:00 – 11:20 a.m.  Let’s Get Techy: A Computer Purchasing Habits Correlational Study for Undergraduate Students
Samantha Wilkins

Women in Music History
Carswell Concert Hall

9:30 - 11 a.m.  Women in Music History: Baroque and Classical
Caroline Carter, Kristin Foster, Brittany Hayes, Natalie Overton

### AFTERNOON CONFERENCE SESSIONS AND EVENTS

#### Education & Development: Practices, Organization, & Intervention
Ledford 101

1:45 - 2:05 p.m.  Investigating Strategies to Manage and Reduce Test Anxiety Among High School Students
Ashley Brittain

2:10 - 2:30 p.m.  The Relationship between Class Size, Student-Teacher Ratio, Teacher Characteristics and Positive Educational Outcomes
Madison Burton

2:35 - 2:55 p.m.  Differences in Preparation for College Between Private and Public Schools
Bethany Hunn

3:00 - 3:20 p.m.  Elementary Teachers’ Experiences with Mathematical Discussion: Their Knowledge, Dispositions, and Use of Discussion Classroom Practices
Margaret Cobb

3:25 - 3:45 p.m.  A Qualitative Study of Parent Involvement in Occupational Therapy Practice
Sydney Espy

#### Public Health: Environments, Innovation, & Legislation
SMB 162

1:45 - 2:05 p.m.  Evaluating the Potential for Environmental Transmission (Mycobacterium leprae) in a Natural Armadillo (Dasypus novemcinctus) population
Miranda Daughtry, Anderson Woodson

2:10 - 2:30 p.m.  Environmental Surveillance of Zoonotic Pathogens
Anderson Woodson, Arden Cunningham, Katelyn Steadman, Kimberly Worley

2:35 - 2:55 p.m.  Concentration-Driven Leukocyte Proliferation
Nabiha Khan

3:00 - 3:20 p.m.  The Relationship Between Demographics and Political Attitudes towards Mental Health Legislation
Samantha Wilkins

#### Women in North Carolina Politics: Their Stories, Participation, & Perspectives
Harris 104

1:45 - 2:05 p.m.  North Carolina Women’s Oral History Project: Women’s Forum Series
Morgan Johnson, Miranda Pikaart
2:10 - 2:30 p.m.  Why Aren’t There More Women at the Table?  
Mary Kolisnichenko, Sydney Grace Cooper

2:35 - 2:55 p.m.  Pick Your Politics: Exploring Student Perspectives On Personal Political Influences During Their Undergraduate Studies  
Catherine Koontz

3:00 - 3:15 p.m.  We Stand with All – A Pecha Kucha  
Monica Vallejo, Leslie Arreaza

3:20 - 3:40 p.m.  Political Alignment Among High Achieving Adolescents  
Amanda Foalima

**Intercultural Explorations: Past & Present  
Harris 208**

1:45 - 2:05 p.m.  Evaluating Physical Accessibility in Ethiopia  
Helina Biru

2:10 - 2:30 p.m.  Evading the Paris Agreement and its Possible Consequences: A Kenyan Case Study  
Matilda Odera

2:35 - 2:55 p.m.  Family vs. Famiglia: An Analysis of Families through Italian Cinema  
Aubrey Haigler, Brianna Sgherza

3:00 - 3:20 p.m.  Sección Femenina: Women of Francoist Spain  
Belle Williams

3:25 - 3:45 p.m.  Dealing with Chickens and Bears in Translation: The Nuances and Challenges of Translating Children’s Literature for the Classroom (presentation is in Spanish)  
Allysa Orr

**Character, Symbolism, & the Female Experience in Literature  
Harris 214**

1:45 - 2:05 p.m.  L. Frank Baum and The Wonderful Wizard of Oz  
Logan Blount

2:10 - 2:30 p.m.  “A Light Was in His Eyes”: The Character of Aragorn in J.R.R. Tolkien’s The Lord of the Rings  
Emily Chilton

2:35 - 2:55 p.m.  Violence on and of the Body in Flannery O’Connor’s Wise Blood  
Rachel Crawford

3:00 - 3:20 p.m.  Satan and the Seductress: An Analysis of Puritanism, Evangelical Purity Culture, and Female Sexuality in Arthur Miller’s The Crucible  
Kirby Jones

3:25 - 3:45 p.m.  “She Had Not Known the Weight Until She Felt the Freedom!”: A Feminist Critical Analysis of The Scarlet Letter by Nathaniel Hawthorne  
Megan Munson

**Musical Performance & Research  
Carswell Concert Hall**

1:30 – 2:30 p.m.  Octavia!  
Brittany Hayes, Lily Stavish

3:00 – 4:00 p.m.  Women Composers of the 19th and 20th Centuries  
Amanda Bateman, Alexis Chastain, Kristin Foster, Lily Stavish

*Pecha Kucha (peh-chuh koo-chuh) is an Anglicized version of a Japanese phrase meaning “Chit-Chat”. It involves a technique of presenting grounded ideas, convictions, and experiences in a concise format – 20 images, each display for 20 seconds with the presenter providing commentary on the topic being presented. Pecha Kuchas are not “research” presentations per se, but the student does present through the authority of her knowledge and experience.*