

# THE ELEVENTH ANNUAL UNDERGRADUATE RESEARCH SYMPOSIUM

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Conference Program  
April 28, 2018



Hosted by the Elliott T. Bowers  
Honors College Ambassadors



 **UNDERGRADUATE  
RESEARCH SYMPOSIUM**

<b>Sponsor Recognition</b>	<b>5</b>
<b>Message from Our Faculty Advisor</b>	<b>7</b>
<b>Message from Our Co-Chairs</b>	<b>8</b>
<b>About URS and the Honors College</b>	<b>9</b>
<b>Maps</b>	<b>10</b>
<b>Sessions:</b>	
A - Oral-Media-Panel Presentations	<b>16</b>
B - Oral-Media-Panel Presentations	<b>18</b>
C - Poster Presentations	<b>20</b>
D - Oral-Media-Panel Presentations	<b>25</b>

**ALL ORAL-MEDIA SESSIONS WILL BE HELD IN THE CHSS BUILDING  
THE POSTER SESSION WILL BE HELD IN THE LSC, THIRD FLOOR**

**SH** | **UNDERGRADUATE  
RESEARCH SYMPOSIUM**

<b>8:00-8:45</b>	Registration
<b>8:45-8:55</b>	Welcome and Opening Remarks Room C070
<b>9:00-10:20</b>	Session A, Oral-Media Presentations
<b>10:30-11:50</b>	Session B, Oral-Media Presentations
<b>12:00-1:20</b>	Lunch LSC Ballroom
<b>1:30-2:50</b>	Session C, Poster Session LSC, Third Floor
<b>3:00-4:20</b>	Session D, Oral-Media Presentations
<b>4:30-5:00</b>	Closing Ceremony Room C070

**ALL ORAL-MEDIA SESSIONS WILL BE HELD IN THE CHSS BUILDING  
THE POSTER SESSION WILL BE HELD IN THE LSC, THIRD FLOOR**



**The Undergraduate Research Symposium  
Is Sponsored By:**

Elliott T. Bowers Honors College  
College of Science and Engineering Technology  
E.U.R.E.C.A. Center

The URS especially thanks Dr. Hiranya Nath for his  
generous Assam Scholarship





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Hannah Gerber	Education
Michelle Hoogterp	Newton Gresham Library
Victoria Lantz	Theatre
Brian Loft	Mathematics
Kenneth McIntyre	Political Science
Valerie Muehsam	Business
Janet Mullings	Criminal Justice
Benjamin Park	History
G. Kevin Randall	Family and Consumer Sciences
Jeff Wozniak	Biology
Pamela Zelbst	Management

## A Message from Our Faculty Advisor

Welcome to the Eleventh Annual Undergraduate Research Symposium, hosted by the Ambassadors of the Elliott T. Bowers Honors College! This conference provides a professional environment in which student scholars can share their past, current, and ongoing research. Because national studies have shown that undergraduates who participate in research are better communicators and more effective leaders, the URS acts as a springboard for post graduate success. Several of our past participants have gone on to experience inspiring professional endeavors which have had their foundation at this conference. For those faculty who have worked closely with their students during preparation for the URS, this accomplishment is a source of enormous gratification.

The Honors Ambassador co-chairs Conner Rousseau, Raynie Leard, Kayla McCarns, and Danielle Watley have worked extraordinarily hard over the past year to make this conference an ongoing success. This wonderful team worked over the summer to overhaul the URS website and registration module to ensure ease of navigation during the registration process. To encourage student success, they provided information links that covered the varied etiquettes of conference presentation, from dress to poster design. Additionally, they have organized several information sessions, sent out information packets to every faculty member on campus; they have formed ambassador committees for abstract review, communication dissemination, and conference logistics; they have chosen new merchandise, planned meals, and made decisions about next year's event. Ambassador Raynie Leard has also worked single-handedly on the design and organization

of this year's program, providing invaluable advice and guidance. Again, this conference would not be possible without the combined effort of these highly motivated and professional corps of Ambassadors.

But these students are not the only ones who have dedicated themselves to furthering what is now a nation-wide effort to promote undergraduate research. Others have been just as vigorous in their support, including faculty advisors who have helped students with their research, family and friends who have come to show their support, faculty and graduate student volunteers who have devoted their Saturday to giving presenters feedback, staff members who have been working overtime to ensure that everyone is fed, given gift bags, directed to the right rooms, and checked in properly. The Honors College, College of Science and Engineering Technology, and Excellence in Research Experiences and Creative Activities (E.U.R.E.C.A) have generously contributed to this event because they believe in promoting undergraduate research and in supporting the URS. We recognize and deeply appreciate their active support of this endeavor. Finally, we especially thank Dr. Hiranya Nath, Professor of Economics, for his very generous Annual Assam Scholarship Award.

Today's conference celebrates what is best about Sam Houston State University: our students, our commitment to excellence in education, and our dedication to undergraduate research.

*Tracy E. Bilsing*

### **Dr. Tracy Bilsing**

*Faculty Advisor, Co-Chairs and URS Faculty Committee Chair  
Assistant Dean, Elliott T. Bowers Honors College*



## URS History and Mission Statement

In 2008, the Honors Student Ambassadors began the Undergraduate Research Symposium (URS). The goal was two-fold: to share research with fellow students and to gain experience in preparation for future conferences. Today, the URS continues to provide a forum where all SHSU undergraduate students can present their research to others in a professional environment while giving students the opportunity to gain expertise in their field and to receive feedback from other scholars and members of the academic community. Additionally, the URS offers three \$500 awards: The Assam Scholarship for Honors Research Award, The Honors College Award for Best Overall Oral-Media Presentation, and the Honors College Award for Best Overall Poster. Other awards include honorable mention awards, the E.U.R.E.C.A. Award for Best FAST Oral Media Presentation, and the E.U.R.E.C.A. Award for Best FAST Poster. The URS is supported by the faculty and staff of the Elliott T. Bowers Honors College.



## A Message from Our Co-Chairs

Welcome to the 11th year of the Undergraduate Research Symposium! The co-chairs and Honors Ambassadors are excited to have a role in bringing this incredible experience to life for each and every one of you. Eleven years ago, this conference began with a grand total of 6 presenters and 15 attendees (including the six presenters)! With all of you here today, we have almost 150 presenters and over 400 attendees! To put it simply, you all are making history by crafting a growing experience into something even larger. And why does this matter? Sure, the Undergraduate Research Symposium is a great way to get the feel for a professional conference — students find an attentive audience, receive professional feedback, and acquire experience in presenting your work. Of course, the Undergraduate Research Symposium also serves as a great method for building your resume or CV. Add free food and

goodies to that equation, and you already have plenty of reason to enjoy the event.

However, the co-chairs feel that the greatest benefit of the Undergraduate Research Symposium stems from the pride. There is nothing quite like sitting in a room with fellow SHSU students and seeing them showcase the amazing things happening within our university seen through the impressive and novel ideas taking flight within this conference. Each and every one of you is a part of this organic, incredible experience, and that is something to take immense pride in. Whether it be as a first time or veteran presenter, an ambassador or volunteer, an advisor or faculty moderator, an administrator or supportive audience member, we all have an integral part to play in making this one-of-a-kind event a success. Thank you for your unique contribution to the 11th year of a program that we hope to see continue for a long time to come. Enjoy your day!

**Rainie Leard**  
URS Co-Chair

**Kayla McCarns**  
URS Co-Chair

**Conner Rousseau**  
URS Co-Chair

**Danielle Watley**  
URS Co-Chair



## Honors Faculty and Staff

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Associate Dean  
Associate Dean  
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Student Assistant  
Student Assistant, Program Designer  
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Connie Rodriguez  
Lauren Blossom  
Lindsey Burcham  
Raynie Leard  
Kayla McCarns  
Lucero Nava  
Gaby Rangel

## The Undergraduate Research Symposium Faculty Committee

Dr. Tracy Bilsing  
Dr. Lydia Fox  
Dr. Maria Holmes  
Mr. John Jordan  
Dr. Patrick Lewis  
Dr. Pamela Zelbst

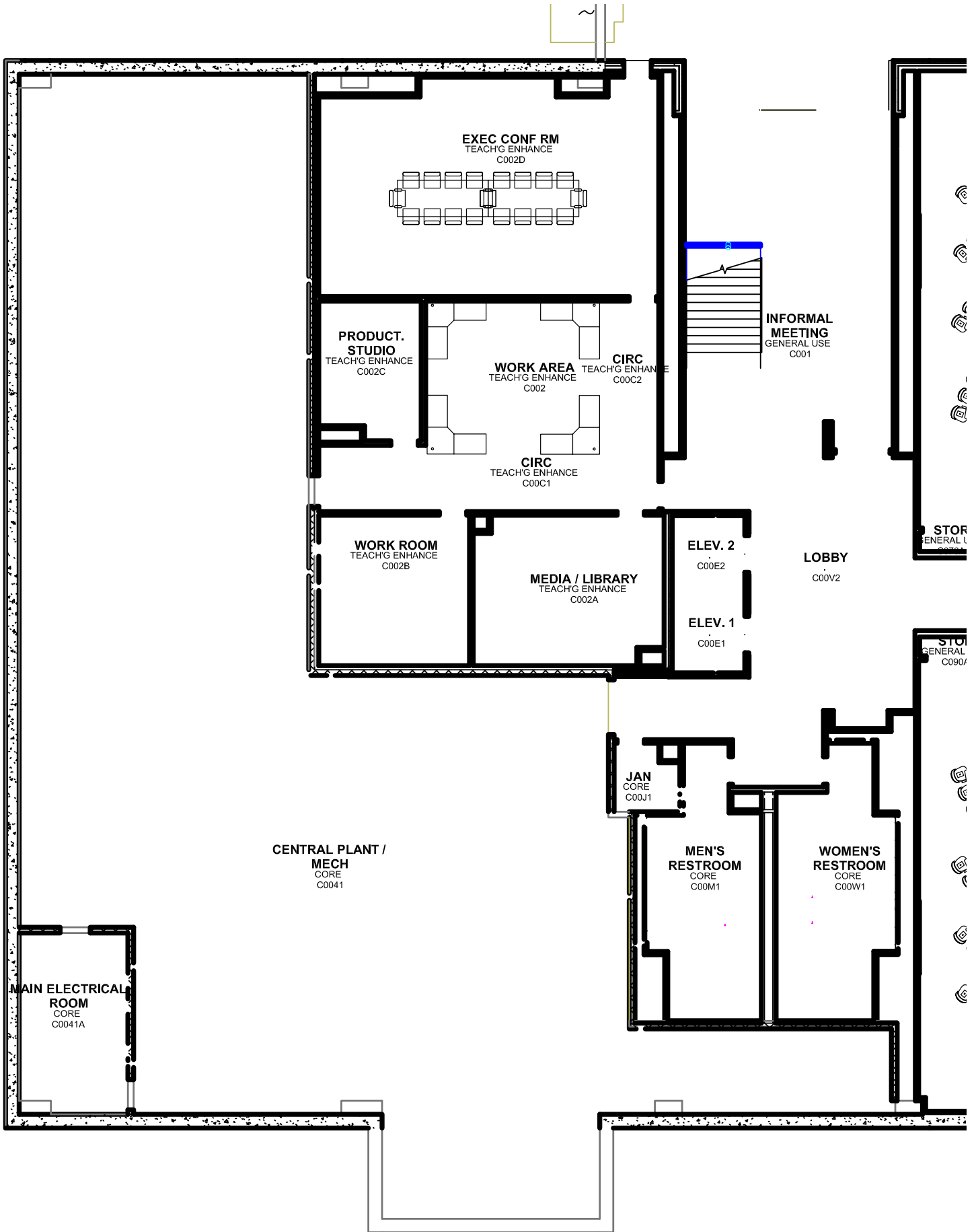
## Honors College Ambassadors

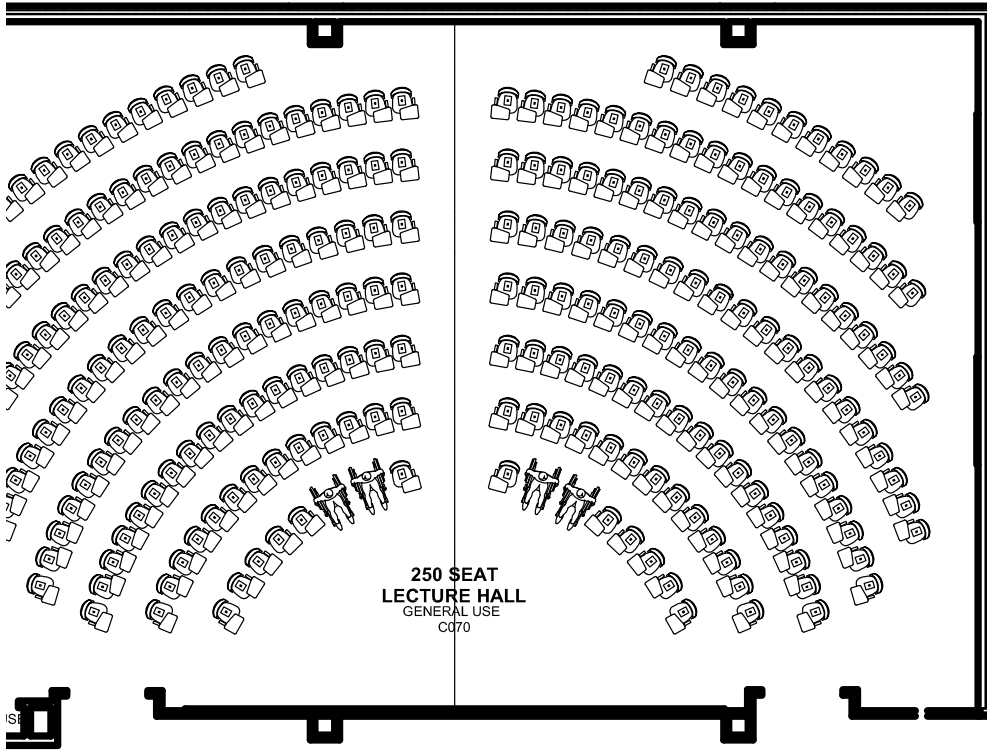
Raynie Leard- *President*  
Conner Rousseau- *President*  
Kayla McCarns- *Vice President*  
Beverly Liu- *Secretary*  
Brittiany Minor- *Historian*

Cresencio Adame IV  
Kemi Alabi  
Lindsey Burcham  
Reneshia Gilder  
Maria Hendrickson  
Rachael Hunnicutt  
Amie Kas  
Logan Kennemer

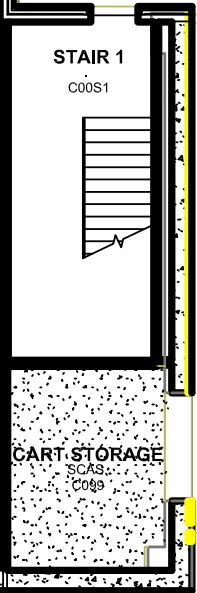
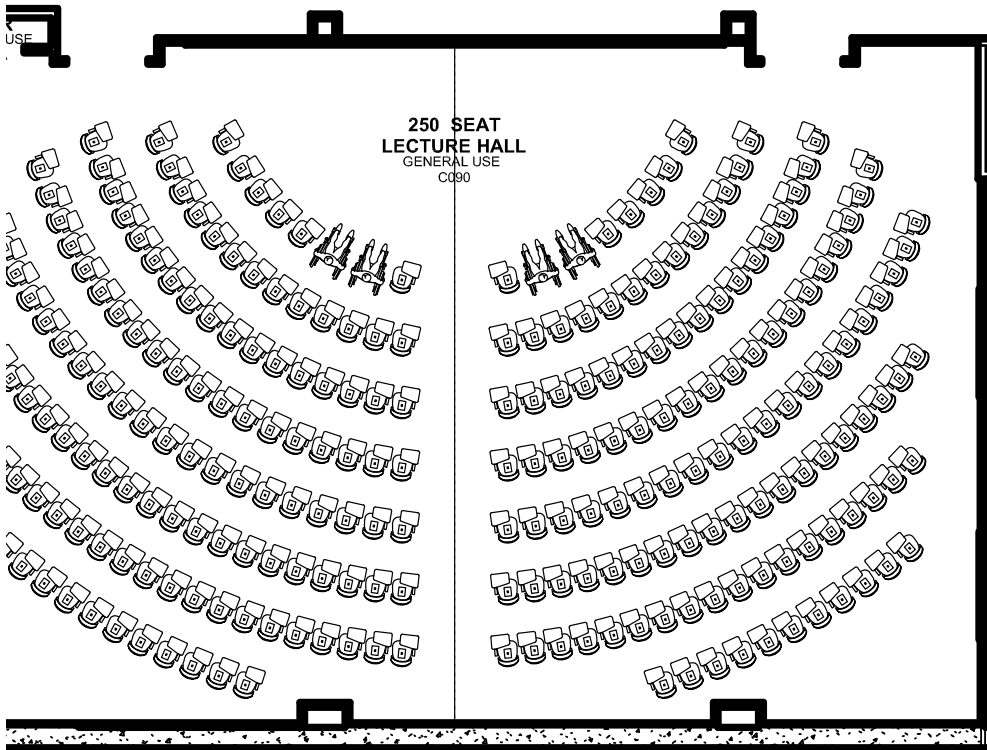
Peiting Liu  
Daniel Nwosuocha  
David Porter  
Kelsey Rosenbaum  
Lauren Rudie  
Hamza Uddin  
Danielle Watley

# CHSS Concourse Floor

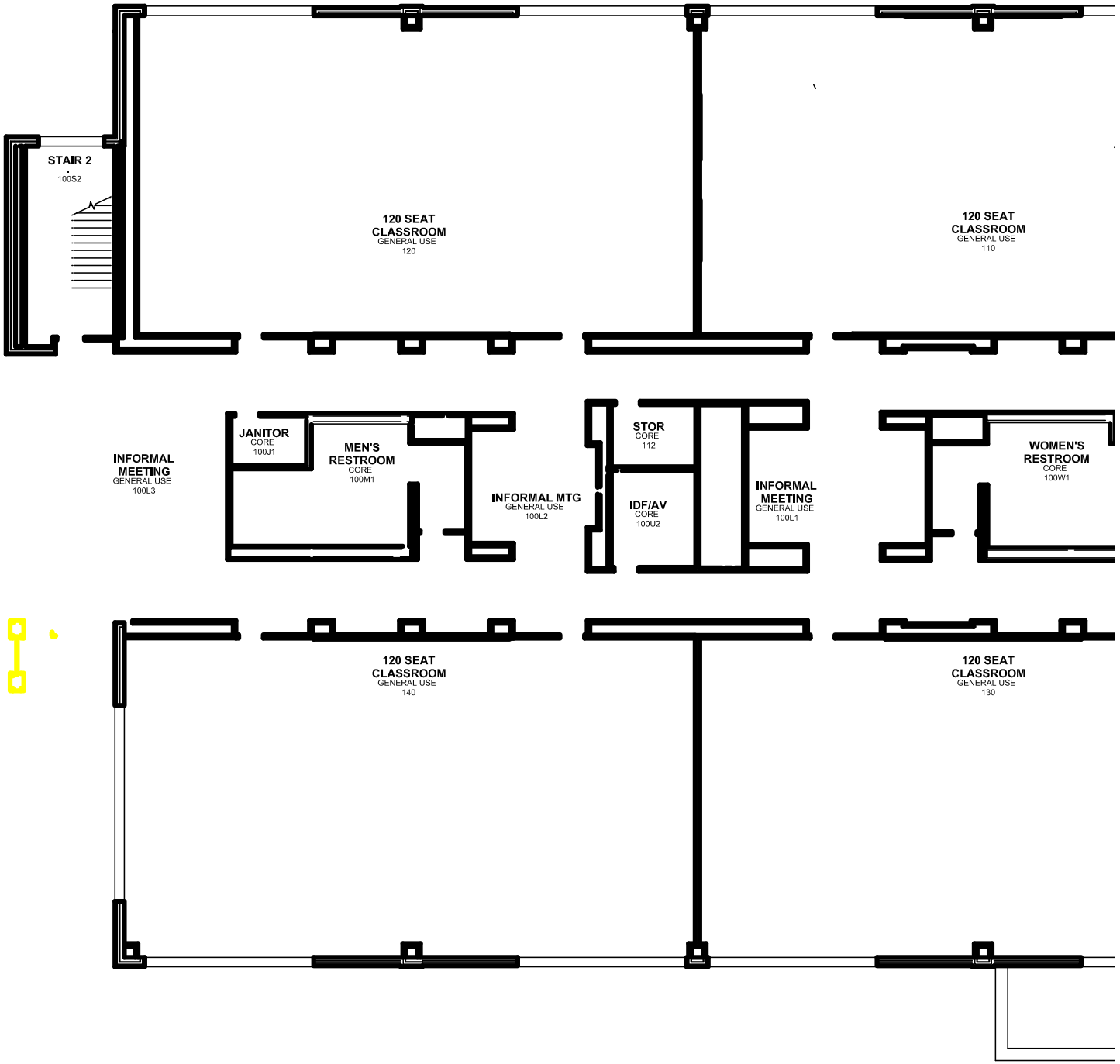




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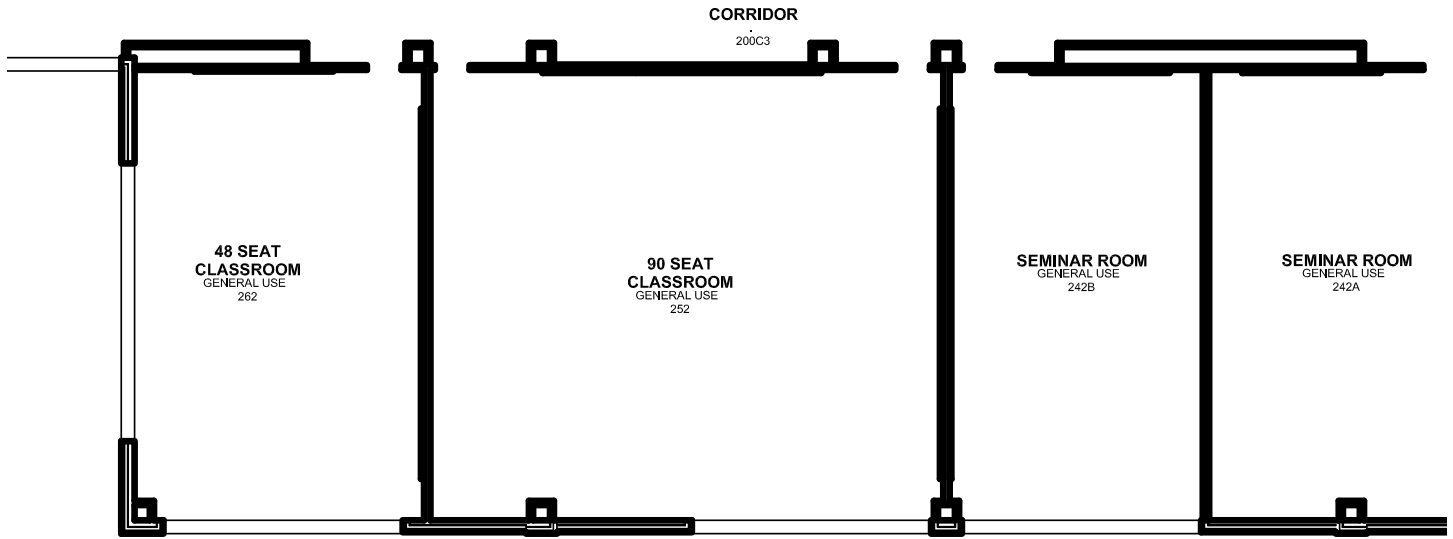
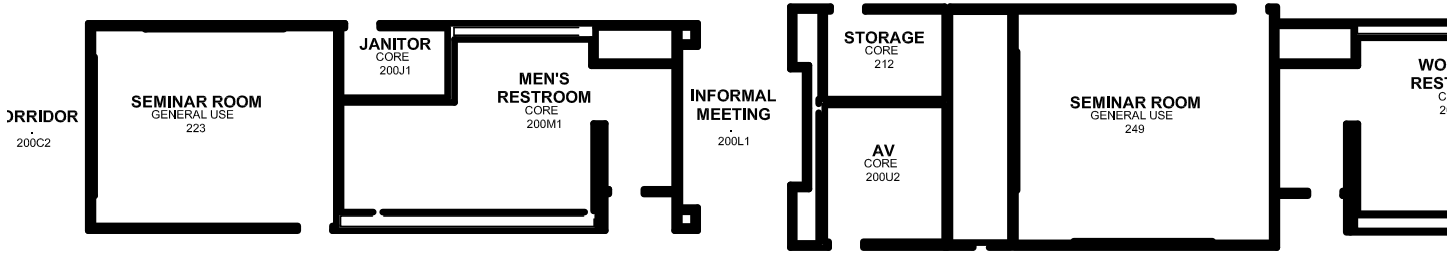
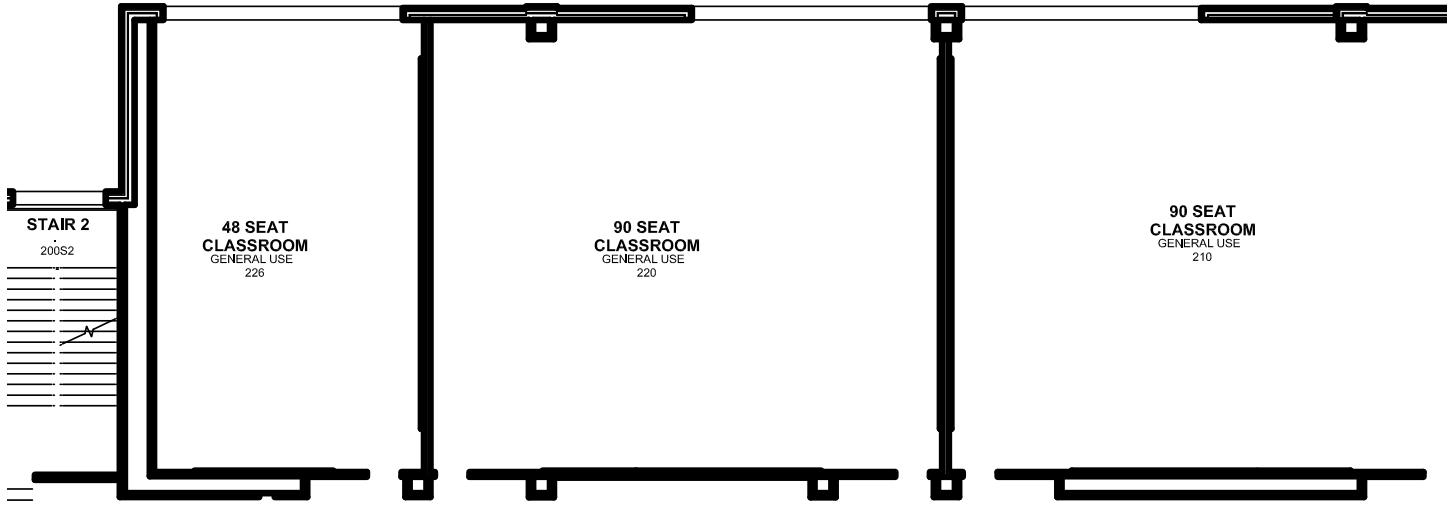


# CHSS First Floor





# CHSS Second Floor





# Session A

## 9:00-10:20

### ROOM 206 Habitat Study

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***Impact of Soil Water, Relative Humidity, and Vapor Pressure Deficit on Evapotranspiration***

**Francis Pryor**

Faculty Advisor: Dr. Shyam Nair

***The Relationship between Cumulative Growing Degree Days and Evapotranspiration***

**Lauren Worley**

Faculty Advisor: Dr. Shyam Nair

***Spatiotemporal patterns of larval amphibians along environmental gradients in pond microhabitats in East Texas***

**Clay Laughrey**

Faculty Advisor: Dr. Carmen G. Montana-Schalk

***Carolina Wren (*Thryothorus ludovicianus*) nest composition in urban and rural habitats***

**Hannah McNeese**

Faculty Advisor: Dr. Diane Neudorf

***Comparison of Evapotranspiration and Water Use Efficiency of Corn and Cotton***

**Francis Pryor**

Faculty Advisor: Dr. Shyam Nair

### ROOM 220 Art and Creation of Expression

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***Creative Dance: Enriching Individuals' Relationship with Their Body***

**Carlee Sachs-Krook**

Faculty Advisor: Dr. Barbara Kaminska

***Making Queer Objects***

**Cassie Nicholson**

Faculty Advisor: Lauren Clay

***Artemisia Gentileschi's Artwork Portraying Women***

**Holly Ortiz**

Faculty Advisor: Dr. Barbara Kaminska

***From East to West Side Story: An Analysis of Movement and Context***

**Kelly Clipper**

Faculty Advisor: Dr. Jessica Herzogenrath

### ROOM 226 Psychology and Philosophy: Life, the Machine, and More

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***A.I.: What Does it Mean For Us?***

**Treston Smith**

Faculty Advisor: Dr. Maria Botero Jaramillo

***Philosophy of Minimalism***

**Elise Whatley**

Faculty Advisor: Dr. David Wright

***Artificial Intelligence Consciousness***

**Valentina Linares**

Faculty Advisor: Dr. Maria Botero Jaramillo



# Session A

9:00-10:20

**ROOM  
232** History: War and Its Discontents

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***The Seminal Catastrophe: World War One and the Modern Middle East***

**Michael McCarney**

Faculty Advisor: Dr. Mevhibe Emiralioglu

***Propaganda in France in Twentieth Century Conflicts***

**Stewart Lawrence, Illeana Moore, Luka Herrera Munoz**

Faculty Advisor: Dr. Siham Bouamer

***Recovering Aurelio Pego's Satirical Defeat***

**Sarah Wagner**

Faculty Advisor: Dr. Montse Feu Lopez

***Area Bombing in the Second World War: A Necessary Sacrifice or Unnecessary Brutality***

**Michael McCarney**

Faculty Advisor: Dr. Zachary Doleshal

**ROOM  
242A** Business and Economic Practices

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***Analysis of Payment Options for Home Food Purchases***

**Brady Barham, Mackenzie Roten, Bailey Creighton, Thomas Dozier, Thomas Reeves**

Faculty Advisor: Dr. Shyam Nair

***How Undocumented Workers and Immigrants affects Texas' Economic Infrastructure***

**Elisha Daniels**

Faculty Advisor: Dr. Fidel Gonzalez

***Student Perceptions: Utility of Soft Skills***

**CaLynn Reed, Alexis Hardy**

Faculty Advisor: Dr. Danica Schieber

**ROOM  
242B** Biology and Chemistry

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***Analyzing Products of Cytochrome P450 and PNCA using Bacterial Luciferase***

**Lucio Avellaneda**

Faculty Advisor: Dr. Donovan Haines

***Synthesis and Characterization of Bisdiazaboroles and an Ethylhexyl Ester Based Diazaborole-Linked Macrocyclic***

**Nicholas Garcia**

Faculty Advisor: Dr. Dustin Gross

***DNA Sequences Analysis of Plasmids from Multi- Resistant Salmonella enterica***

**Kemi Alabi, Shanila Lakhani**

Faculty Advisor: Dr. Aaron Lynne

# Session B

10:30-11:50

## ROOM 206 Biology

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### ***Assessing Biocatalyst Potential of Rhodobacter sphaeroides***

**Noah Zavala**

Faculty Advisor: Dr. Madhusudhan Choudhary

### ***Rapid Evolution of CRISPR-associated Cas Proteins***

**Dorcie Gillette**

Faculty Advisor: Dr. Madhusudhan Choudhary

### ***Who's That Lady Bug?***

**Briauna Augustus**

Faculty Advisor: Dr. Madhusudhan Choudhary

## ROOM 220 Film and Literature: Creative Expressions

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### ***The Musical Themes of Star Wars and the Connections Created by Their Usage in the Films***

**Kirsten Cottle**

Faculty Advisor: Dr. Melissa Cummins

### ***Star Wars Costuming: Rey***

**Maria Hendrickson**

Faculty Advisor: Dr. Tracy Bilsing

### ***How J.K. Rowling Resurrected the Phoenix within Modern Culture***

**Kalie Parker**

Faculty Advisor: Drs. Kimberly Bell and Tracy Bilsing

## ROOM 226 Literature and History: What Lies Beneath

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### ***A Comparative Study of West Germanic Language Histories: Varying Degrees of Inflectional Syncretism in English and German***

**Danielle Watley**

Faculty Advisor: Dr. Helena Halmari

### ***When Numbers and Words Collide: The Hidden Mathematics within Literature***

**Tyler Josefsen**

Faculty Advisor: Dr. Kimberly Bell

### ***Richard III: Rightful King or Pretender to the Throne***

**Shelby Dyson**

Faculty Advisor: Dr. Amy Dean

## ROOM 242A History and Community

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### ***"You Cannot See Anyone but Negroes:" Huntsville's Yellow Summer of 1867***

**Sarah Schmitt**

Faculty Advisor: Dr. Zachary Doleshal

### ***Community Attachment***

**Jeff Speck**

Faculty Advisor: Dr. Gene Theodori

### ***Women and Long Civil Rights Through Fashion and Policing***

**Justice Godfrey, Sanitra Adair**

Faculty Advisor: Dr. Bernadette Pruitt

# Session B

10:30-11:50

**ROOM**  
**232** Crime: Detection, Punishment, and  
Juvenile Justice

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***Saw Mark Analysis: Examining the Differences Between Mechanical Saws and Handsaws When Used to Cut Human Bone***

**Kayla McCarns**

Faculty Advisor: Dr. Joan Bytheway

***Harming the Innocent***

**Christian Staus**

Faculty Advisor: Dr. Benjamin Mitchell-Yellin

***Teacher Support, Parental Incarceration, and Low Academic Achievement in Justice-Involved Youth***

**Amandamay Naquin-Eason**

Faculty Advisor: Dr. Amanda Venta

***Prosecutorial Discretion in the Charging Decision***

**Mellanie Wallace**

Faculty Advisor: Dr. Travis Franklin

**ROOM**  
**242B** Children and Well-Being

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***The Effects of Television and Video Games on Childhood Obesity***

**Kelly Clipper**

Faculty Advisor: Dr. A. Page Glave

***Early Menarche***

**Chelsea Henderson**

Faculty Advisor: Dr. Crystal Douglas

***Air Pollution and its Health Risks from Hurricane Harvey***

**Kathy Wachtendorf**

Faculty Advisor: Dr. Dhitinut Ratnapradipa

## Session C: Posters

**ROOM  
315**

Agriculture and Education

**1:30-2:50**

***An Examination of the Agricultural Mechanics Professional Development Needs of the 2016 National FFA Agricultural Technology and Mechanical Systems Career Development Event FFA Advisors***

**Emily Riggin**

Faculty Advisor: Dr. P. Ryan Saucier

***Analysis of Payment Options for Home Food Purchases***

**Mackenzie Roten**

Faculty Advisor: Dr. Shyam Nair

***Comparison of Students' Performance in Two Agricultural Teacher Certification Tests***

**Madeline Markette, Dillon Harrell, Gregory Hughes, Braxton Bunner**

Faculty Advisor: Dr. Shyam Nair

***Converging Communities: A Collective Discussion On Education***

**Sarah Bivens, Andrew Vierkant**

Faculty Advisor: Dr. Ervin Malakaj

***Factors Influencing Employer Satisfaction of an ASET/STEM Career Fair***

**Lauren Worley**

Faculty Advisor: Dr. Shyam Nair

***Factors Influencing Food Purchase Location Choices***

**Matthew Duval**

Faculty Advisor: Dr. Shyam Nair

***Factors Influencing Teacher Certification Exam Scores***

**Madeline Walker**

Faculty Advisor: Dr. Shyam Nair

***Influence of Demographic Factors on the Expenditure on Alcoholic and Non-Alcoholic Beverages***

**Brittany Franz, Alyson Sivec, Benjamin Boehm, Sloan Exner, Micah Haden**

Faculty Advisor: Dr. Shyam Nair

***The Effect of Coupons and Loyalty Cards Use on Food Purchase by US Consumers***

**Sydney Armatta**

Faculty Advisor: Dr. Shyam Nair

***The Effect of Soil Water Content on Bowen Ratio for Corn and Cotton Fields***

**Lauren Worley**

Faculty Advisor: Dr. Shyam Nair

***The Impact of Socio-Economic Factors on Family Expenditures for Fruits and Vegetables***

**David Michlak**

Faculty Advisor: Dr. Shyam Nair

***The Importance of Play in the Classroom***

**Cristine Cela, Claudia Repke, Tanya Lira, Rainey Goodrum, Katherine Teagle**

Faculty Advisor: Dr. Elizabeth Lasley

***The Influence of Net Ecosystem CO<sub>2</sub> Exchange on Evapotranspiration in Corn and Cotton***

**Rayne Horton**

Faculty Advisor: Dr. Shyam Nair

***The Influence of Soil Treatments on Growth and Recovery of Olives***

**Joseph Johnson, Taylor Richbourg, John Miller, Joshua Lange**

Faculty Advisor: Dr. Shyam Nair

***The Relationship between Photosynthetically Active Radiation and Net Ecosystem CO<sub>2</sub> Exchange in Corn and Cotton***

**Cassady West**

Faculty Advisor: Dr. Shyam Nair

***Exercise and Depression/Anxiety***

**Jennifer Gross**

Faculty Advisor: Dr. A. Page Glave

***Design of Cooperative, Project-based Lab Experiences to Promote Understanding in Stoichiometry in College-level General Chemistry Courses***

**William Fernandez, Andrea Bui**

Faculty Advisor: Dr. Adrian Villalta-Cerdas

***Design of Laboratory Experiences in Material Science and Nanotechnology***

**Corbin McCleary**

Faculty Advisor: Dr. Adrian Villalta-Cerdas

***Tail Pigmentation in *Acris blanchardi* Tadpoles Along an Environmental Pond Gradient***

**Wendi Alvarado**

Faculty Advisor: Dr. Carmen Montaña-Schalk

***Temporal Variation in Population Structure of Western Mosquito Fish (*Gambusia affinis*) in an East Texas Wetland***

**Kelsey Kralman**

Faculty Advisor: Dr. Carmen Montaña-Schalk

***A Review of Medical Tourism in Korea***

**Kiwon Yoon, Mingyu Sung**

Faculty Advisor: Dr. Jin Young Choi

***Carolina Wren (*Thryothorus ludovicianus*) Nest Composition in Urban and Rural Habitats***

**Hannah McNeese**

Faculty Advisor: Dr. Diane Neudorf

***Derivatives of L-DOPA***

**John Ordonez**

Faculty Advisor: Dr. Donovan Haines

***Alternative Gaits in *gekkotans* Explains Femoral Morphology***

**Taylor Eubank**

Faculty Advisor: Dr. Juan D. Daza

***The Microanatomy of Bone Trauma***

**Stephanie Baker**

Faculty Advisor: Dr. Patrick Lewis

***Are Large Eyes of Geckos Paedomorphic?***

**Lauren Yetter**

Faculty Advisor: Dr. Juan D. Daza

***Association of MTHFR Gene Polymorphisms and Autism among Different Ethnic Groups***

**Veronica Gonzalez**

Faculty Advisor: Dr. Madhusudan Choudhary

***Identification of Factors that Differentiate the Gold-mining and Non Gold-mining Sites in the Mazaruni River, Guyana***

**Ibeth Caceres**

Faculty Advisor: Dr. Madhusudan Choudhary

***Implementation of CRISPR Technology for *recA* gene deletion in *Rhodobacter sphaeroides****

**Samantha McBride**

Faculty Advisor: Dr. Madhusudan Choudhary

**Regulatory Small RNAs in *Rhodobacter sphaeroides***

**Santos Gonzalez**

Faculty Advisor: Dr. Madhusudan Choudhary

**Use of Variable Media to Ameliorate Growth of *Rhodobacter Sphaeroides***

**Nicholas Williford**

Faculty Advisor: Dr. Madhusudan Choudhary

**A New specimen of Miocene Rhino from East Texas**

**McKenzie Walker**

Faculty Advisor: Dr. Patrick Lewis

**Examination of Sharp Force Trauma to the Skull**

**Christine Smith**

Faculty Advisor: Dr. Patrick Lewis

**On Bone Asymmetries Resulting from Ballistic Trauma as Observed via micro-CT Technology**

**Jesse Berger, Olivia Bouch, Jessica Munoz**

Faculty Advisor: Dr. Patrick Lewis

**Species Identification of Late Pleistocene Horses Based on Cheek Tooth Enamel Patterns**

**Rachel Franklin, Bailey Spivey**

Faculty Advisor: Dr. Patrick Lewis

**The First Pleistocene Manatee from Texas**

**Brooke Adair**

Faculty Advisor: Dr. Patrick Lewis

**Sexual Divergence of Ecomorphology in the Atlantic Stingray, *Dasyatis sabina***

**Jessica Wright**

Faculty Advisor: Philip Matich

**Quantitative Analysis of Bacteria Overgrowth after Skin Microbiome Disruption**

**Lindsey Burcham, Madison Cowdrey**

Faculty Advisor: Dr. Todd Primm

**Effect of Physical Exercise on Depression/Anxiety Disorder**

**Benny Conn, Matthew Viggers, Joseph Solis**

Faculty Advisor: Dr. Shyam Nair

**Effect of Using Menu Calorie Information on Body Mass Index**

**Alan Kearney, Adam Sebesta, Crystal Serres, Carson Owens, Callie Holder**

Faculty Advisor: Dr. Brian Blackburne

**Management of Small Hive Beetle Infestation in Beehives**

**Francis Pryor, Sky Hibler**

Faculty Advisor: Dr. Shyam Nair

**The Association of Smoking with General Health**

**Kolby Wolf, Morgan Keeling, Perla Liscano, Aaron Stasney, Cody Mayfield**

Faculty Advisor: Dr. Shyam Nair

**ROOM  
321 Criminal Justice & Forensic Science**

**An Overview on the Accessibility of Menstrual Hygiene Products for Incarcerated Females**

**Chelsi Lamberton**

Faculty Advisor: Dr. Daniel Butler

**Blunt Force Trauma: Fractures of the Human Mandible**

**Nichole Miller**

Faculty Advisor: Dr. Joan Bytheway

## **E-JUSTICE**

**Janeth Del Carmen Castellanos**

Faculty Advisor: Katie Hubbard

### ***The Constitutional Limits of Police Use of Force Under the Fourth Amendment***

**Odalis Alvarado**

Faculty Advisor: Dr. Michael Vaughn

### ***The Effectiveness of Mandatory Minimum Sentencing for Drug Offenders: A Look at Literature***

**Anna Nix**

Faculty Advisor: Dr. Elisa Toman

## **ROOM**

## **307** Mass Communication, Sociology, Psychology & Philosophy

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### ***“Making” a New Standard to Fight “Fake News”***

**Ethan Horn**

Faculty Advisor: Dr. Jeff Littlejohn

### ***A Meta-Analysis of the Confidence-Accuracy Relationship***

**Naomi Broussard**

Faculty Advisor: Dr. Jeff Anastasi

### ***Academic Self Efficacy and Exceptional College Students***

**Taryne Melofsky**

Faculty Advisor: Dr. Courtney Banks

### ***Acculturation, Weight, and Sleep in Recently Immigrated Central American Adolescents***

**Aleyda Arreola**

Faculty Advisor: Dr. Amanda Venta

### ***Comparing Same-sex Couples in the Mass Media***

**Holly Ortiz**

Faculty Advisor: Dr. Emily Cabaniss

### ***Fake News in the Gamergate Scandal***

**Margaret Hageman**

Faculty Advisor: Dr. Ervin Malakaj

### ***Parents’ Perception on Bullying and Teacher Responsiveness***

**Maria Horgan**

Faculty Advisor: Dr. Courtney Banks

### ***The Complex Nature of International Food Aid***

**Emily Gordon**

Faculty Advisor: Dr. Jin Young Choi

### ***The Relationship of Response to Intervention and College Academic Self-Efficacy***

**Rayya Gordon**

Faculty Advisor: Dr. Courtney Banks

### ***Were We Great Before: An Analysis of the Allure of Antiquity and its Implications in American Media***

**Treston Smith**

Faculty Advisor: Dr. Jeff Littlejohn

## **ROOM**

## **304** History

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### ***Guelaguetza***

**Jazmin Palacios**

Faculty Advisor: Dr. Charles Heath

***Justifying Fraud in the 1880s: The Case of Nellie Bly***

**Brittiany Minor**

Faculty Advisor: Dr. Ervin Malakaj

***Preservation of a Dying Culture: A Study of the German Language Poetry of the Sorbian/Wendish people***

**Samantha Hunt**

Faculty Advisor: Dr. Ervin Malakaj

***Shell Middens on the Coast***

**Jennifer Lopez**

Faculty Advisor: Dr. Charles Heath

***Spanish Satirist Fights Fascism: An Analysis of Aurelio Pego's Chronicles Denouncing Francisco Franco***

**Rachael Varner**

Faculty Advisor: Dr. Montse Feu

***The Great Ball Court-History of Mesoamerica***

**Ashley Foster**

Faculty Advisor: Dr. Charles Heath

***The Grolier Codex and the Importance of Venus***

**Caleb Zavala**

Faculty Advisor: Dr. Charles Heath

***The Lynching of Joe Winters***

**Sarah Clark**

Faculty Advisor: Dr. Jeff Littlejohn

***The Spearthrower Owl of Teotihuacan***

**Allison Faith**

Faculty Advisor: Dr. Charles Heath

***The Unexpected Agency: A Commodity Chain Analysis of Sulphur in Latin America***

**Alexander Dodd**

Faculty Advisor: Dr. Charles Heath

***Tlatelolco Massacre***

**Tyler Pointer**

Faculty Advisor: Dr. Charles Heath

***Volkswagen de México: The Two Symbolic Vehicles***

**Chloe Henze**

Faculty Advisor: Dr. Charles Heath

***Warrior Cults of the Aztec Empire***

**Eli Addams**

Faculty Advisor: Dr. Charles Heath

***What Is Disrespect to the Flag?***

**Maria Hendrickson**

Faculty Advisor: Dr. Jeff Littlejohn

**ROOM 302 Art, Family and Consumer Sciences, & Language, Literacy, & Special Populations**

***Pombo: Gift of Literature to the Colombian Children***

**Claudia Oviedo**

Faculty Advisor: Dr. Debra Andrist

***Recovering and Analyzing Aurelio Pego's Antifascist Chronicles***

**Cesar Cantu**

Faculty Advisor: Dr. Montse Feu

***Sandra Cisneros***

**Ashley Foster**

Faculty Advisor: Dr. Jeff Littlejohn

***The Confluence of New Mexico: Navajo and Chimayo Weavings***

**Noemi Monjaras, Beatriz Zapata**

Faculty Advisor: Dr. Jeff Littlejohn

***The Importance of Body Movement in Animation***

**Sara McClanahan**

Faculty Advisor: Dr. Barbara Kaminska



# Session D

3:00-4:20

## ROOM 206 Medieval and Victorian Literature

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***The Love Triangle of Tristan and Isolde***

**Joseph Brunson**

Faculty Advisor: Dr. Ervin Malakaj

***The Various Depictions of King Arthur in Literature***

**Cassidy Harkins**

Faculty Advisor: Dr. Paul Child

***Crossing Lines: Middlemarch and Victorian Women as Heirlooms***

**Kylee Windham**

Faculty Advisor: Dr. Audrey Murfin

***George Eliot's Divergence from Wollstonecraftian Feminism***

**Margaret Hageman**

Faculty Advisor: Dr. Audrey Murfin

## ROOM 220 Media Analysis

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***Did Love Actually Trump Hate in 2016? An Analysis of Negativity in Congressional Campaign Tweets from 2012-2016***

**Marlisa Ensley, Janay Southwell, Jeremiah Gibson**

Faculty Advisor: Dr. Heather Evans

***Fake News in My Social Circle: A Tour***

**Keira Tademy**

Faculty Advisor: Dr. Ervin Malakaj

***The Feminism Stalls: How a Lack of Communication between Branches has led to Media Vilification***

**Kaitlyn Niederstadt**

Faculty Advisor: Drs. James Stykes and Emily Cabaniss

***GTA and the Moral Panic about Video Games***

**Clayton Hill**

Faculty Advisor: Dr. Zachary Doleshal

## ROOM 226 Disability Studies

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***Dis(abilities) are not Always What They Seem***

**Sydney Caldwell, Alexandria Burns**

Faculty Advisor: Dr. Nancy Stockall

***Siblings with Disabilities and the Effect on the Decision to Become a Teacher***

**Sarah Gilbert**

Faculty Advisor: Dr. Leena Landmark

# Session D

3:00-4:20

**ROOM**  
**232** Film

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**Film Noir**

**Alex Copeland, Zachary Shafer, Sarah Deitrich, Jeff Watkins, Chase Bennett**

Faculty Advisor: Elisa Herrmann

**A Recipe For Success - Making a Student Short Film**

**Jordan Brown**

Faculty Advisor: Elisa Herrmann

**Gibbs on Gibbs**

**James Mills, Zach Livingood, Jason Smith, Stephanie Whitehead, Reneshia Gilder**

Faculty Advisor: Elisa Herrmann

**ROOM**  
**242A** EURECA FAST Grants

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**Animation Pipeline for Sam Houston: A Texas Hero**

**Orlanda Dillard, Lee Contreras**

Faculty Advisor: Melissa Glasscock

**The Confluence of New Mexico: Navajo and Chimayo Weavings**

**Beatriz Zapata, Noemi Monjaras**

Faculty Advisor: Melissa Glasscock

**When Childhood Abuse Relates to Externalizing Behavior Problems Among Immigrant High School Students:  
Examining the Role of Peer Attachment**

**Yessica Colin**

Faculty Advisor: Dr. Amanda Venta

**Visualization of Neural Codes**

**Alexander Farrack**

Faculty Advisor: Dr. Luis Garcia Puentes



The Honors College Ambassadors would like to thank our faculty moderators for taking the time to share their expertise with our student scholars.

**Debra Andrist**

**Tracy Bilsing**

**Maria Botero**

**Harry Butler**

**Jeannette Carlson**

**Danhong Chen**

**Jin Young Choi**

**Madhusudan Choudhary**

**Montse Feu**

**Jessica Herzogenrath**

**Maria Holmes**

**Barbara Kaminska**

**Leena Landmark**

**Nick Lantz**

**Tanya Lira**

**Jeff Littlejohn**

**Ervin Malakaj**

**Shyam Nair**

**Zachary Pierce**

**Dhitnut Ratnapradipa**

**Todd Primm**

**Mike Vaughn**

**Grant Wiedenfeld**









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