

THE TWELFTH ANNUAL UNDERGRADUATE RESEARCH SYMPOSIUM

Conference Program

April 27, 2019



Hosted by the Elliott T. Bowers
Honors College Student Ambassadors





Honors Ambassadors are the face of the Elliott T. Bowers Honors College. They often meet with visiting regents, political representatives, or other dignitaries. During special Honors events, the Ambassadors play important roles as hosts and greeters, table leaders, or panel participants.

Being an Ambassador involves taking on certain responsibilities--the willingness to give up time, often in the evenings or weekends--in the interest of supporting Honors College events. Ambassadors need to be able to represent the college and the university well, both in deed and word. There are 20 ambassadors representing every class and every academic college at the University.

 **UNDERGRADUATE
RESEARCH SYMPOSIUM**

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



UNDERGRADUATE
RESEARCH SYMPOSIUM

8:00-8:45	Registration & Breakfast CHSS, First Floor
8:45-8:55	Welcome and Opening Remarks CHSS, Room C070
9:00-10:20	Session A, Oral-Media Presentations
10:30-11:50	Session B, Oral-Media Presentations
12:00-1:15	Lunch LSC Orange Ballroom
1:30-2:50	Session C, Poster Session LSC Expansion, Second Floor
3:00-4:20	Session D, Oral-Media Presentations
4:30-5:00	Closing Ceremony CHSS, Room C070

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



The Undergraduate Research Symposium Is Sponsored By:

Elliott T. Bowers Honors College

The E.U.R.E.C.A. Center

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





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 Brian Loft.Mathematics
 Joyce McCauley.Education
 Kenneth McIntyre.Political Science
 Valerie Muehsam.Economics
 Janet Mullings.Criminal Justice
 Benjamin Park.History
 Jeffrey Wozniak.Biology
 Pamela Zelbst.Management

A Message from Our Faculty Advisor

Welcome to the Twelfth Annual Undergraduate Research Symposium, hosted by the Ambassadors of the Elliott T. Bowers Honors College!

This conference provides a professional environment for all undergraduates at SHSU to 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 Kayla McCarns, Lucero Nava, Lindsey Burcham, and Shani Gomez 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 and they have chosen new merchandise, planned meals, and made decisions about next year's event. Ambassador Lucero Nava 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 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, the Center for Enhancing Excellence in Research Experiences and Creative Activities (E.U.R.E.C.A), and a kind contribution from Academic Affairs have helped to fund 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 would like to 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 active learning, and our dedication to undergraduate research.



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 College 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 12th year of the Undergraduate Research Symposium! We and the Honors Ambassadors are excited to have a role in bringing this incredible experience to life for each and every one of you. Twelve 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 215 presenters and over 400 attendees! To put it simply, we would like to thank you for helping us craft 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 their 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 students' 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 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 12th year of a program that we hope to see continue for a long time to come.

Enjoy your day!

Lindsey Burcham
URS Co-Chair

Shani Gomez
URS Co-Chair

Kayla McCarns
URS Co-Chair

Lucero Nava
URS Co-Chair

Honors Faculty and Staff

Dean
Associate Dean
Associate Dean
Assistant Dean
Administrative Coordinator
Student Assistant
Student Assistant
Student Assistant
Student Assistant
Student Assistant
Student Assistant, Program Designer
Student Assistant
Student Assistant, Terry Scholars

Kimberly Bell, Ph.D.
Maria Holmes, Ed.D.
Patrick Lewis, Ph.D.
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Connie Rodriguez
Lauren Blossom
Lindsey Burcham
Shani Gomez
Sean Hamilton
Kayla McCarns
Lucero Nava
Michael Villanueva
Bethany Leander

The Undergraduate Research Symposium Faculty Committee

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

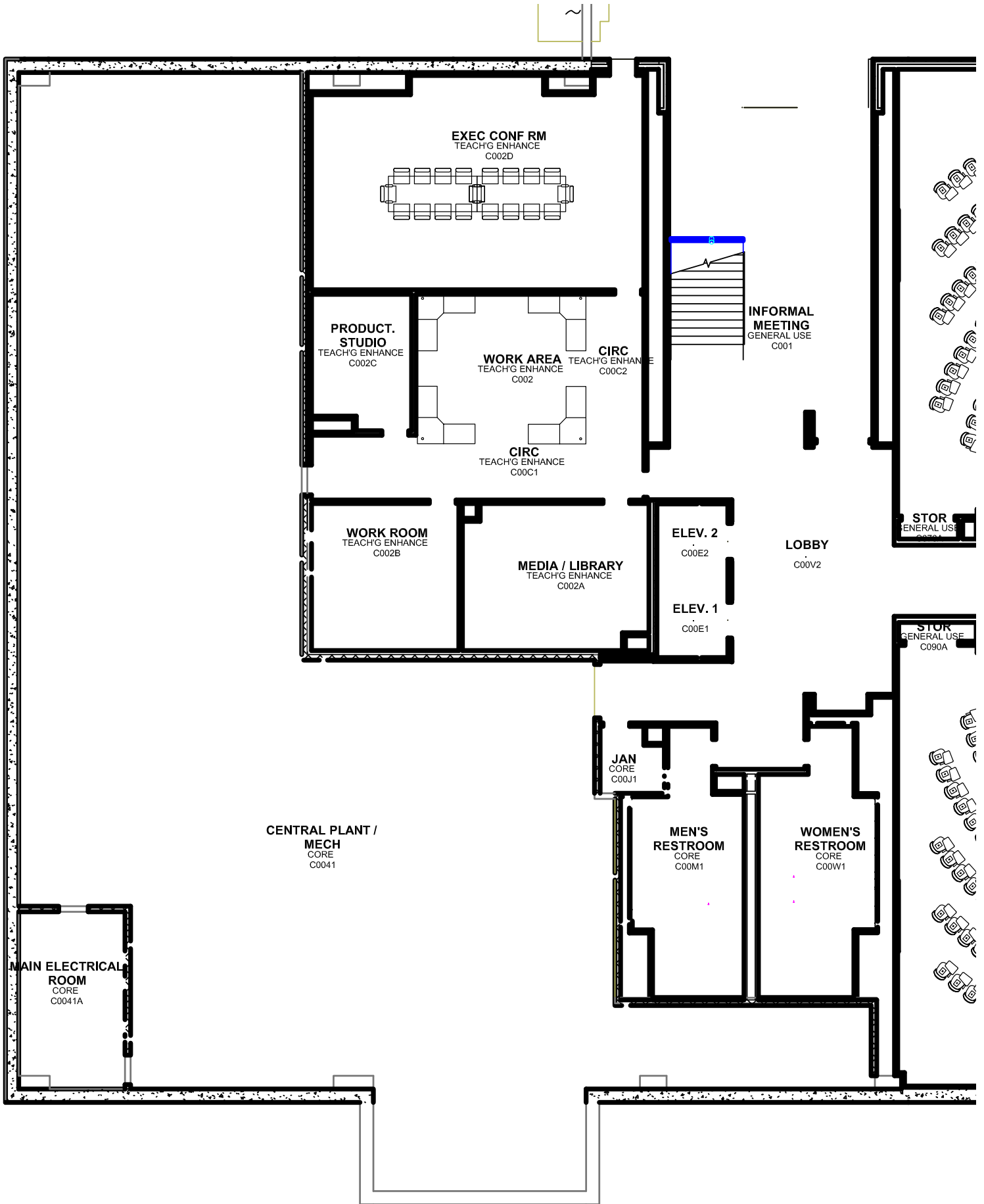
Honors College Ambassadors

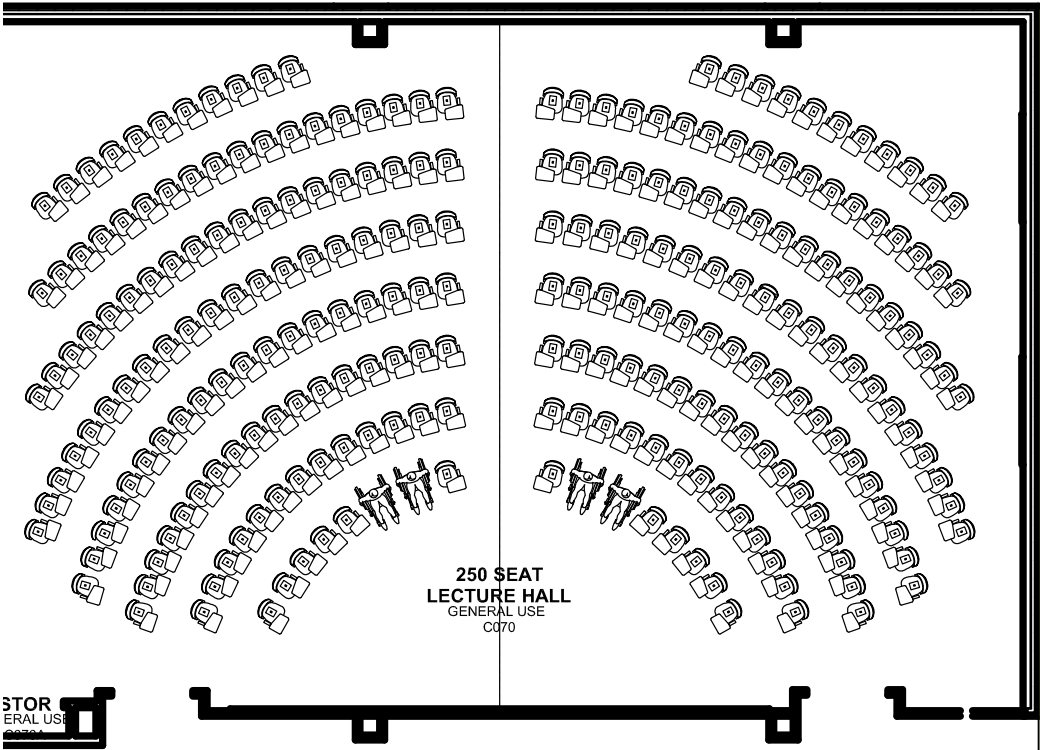
Kayla McCarns- *President*
Lindsey Burcham- *Vice President*
Shani Gomez- *Secretary*
Brittiany Minor- *Co-Historian*
Reneisha Gilder- *Co-Historian*

Lorenzo Baeza
Andrea Bui
Elisha Daniels
Stephen Griego
Maria Hendrickson
Brianna Hickman
Logan Kennemer

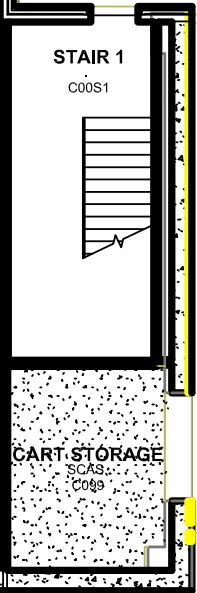
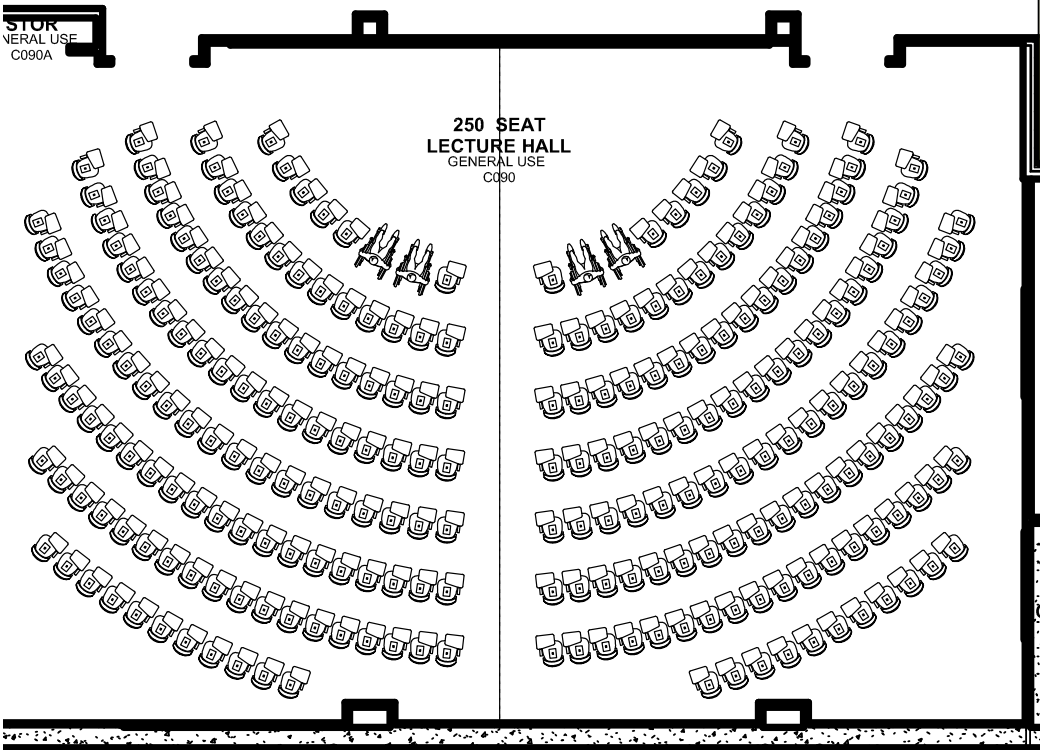
Bethany Leander
Peiting Liu
Lucero Nava
Sneha Srikanth
Gabiella Stunz
Julio Valdez
Noah Zavala

CHSS Concourse Floor

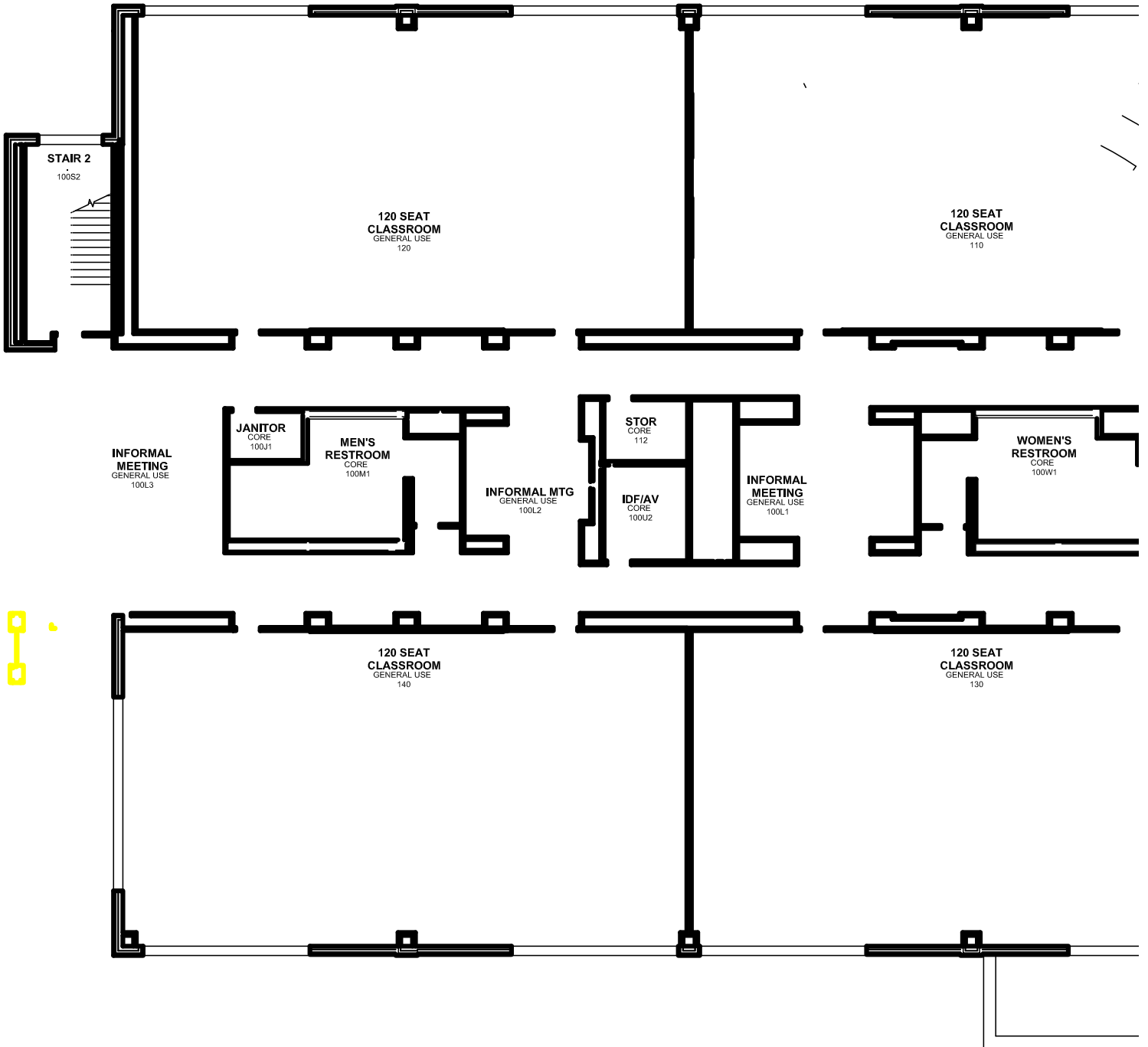




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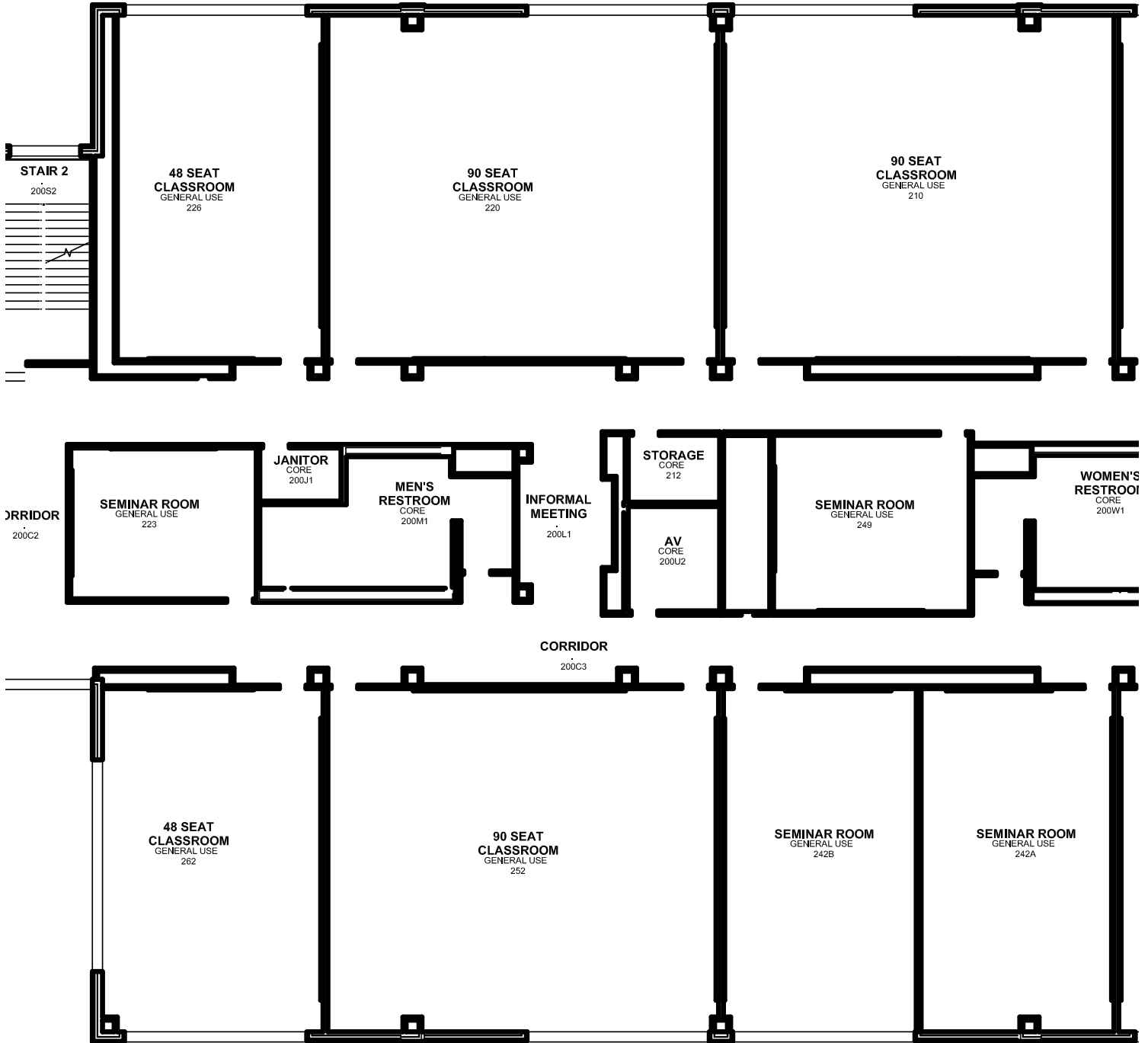


CHSS First Floor





CHSS Second Floor





Session A

9:00-10:20

ROOM 206 Religion & the Humanities

The Difficulties and Hope of Trauma and Mental Illness

Carissa Baker

Faculty Advisor: Dr. Craig Henderson

Creature vs. Christ: A New Look at Mary Shelley's Frankenstein

Shea Hunter

Faculty Advisor: Dr. Kandi Tayebi

People, Places, and Things: Unity and Disunity of Early Christianity in The Vitae of Constantine and Methodius

Yhaz Mhah Nhay Toliver

Faculty Advisor: Dr. Stephen H. Rapp Jr.

The Grail Questers: What Does it Take to be the Chosen One?

Cassidy Harkins

Faculty Advisor: Dr. Ralph Norris

ROOM 220 Criminal Justice & Criminology: Evaluation & Solutions

One and the Same? Evaluating the Unique Influence of Impulsivity and Sensation Seeking on Violent Offending and Violent Victimization from Adolescence to Young Adulthood

Lisa McBride, Amber Slover

Faculty Advisor: Dr. Eric Connolly

Child Support and the Effects of Punishment

Gabrielle Adams

Faculty Advisor: Dr. Benjamin Mitchell-Yellin

Solitary Confinement is Crippling: How to Fix a Broken System

Fizza Gilani

Faculty Advisor: Thomas Warren

The Nature of the Relationship between Crime and Geography

Kayla McCarns

Faculty Advisor: Dr. Michael Vaughn

ROOM 226 Human Actions & Reactions

Acquiring Perception from the InSide: An Interpretation of Side by Side with Motivic Analysis

Lia Claus

Faculty Advisor: Dr. John Lane

Religious Participation and Happiness: Data from Two Texas Studies

Kristen Gustafson

Faculty Advisor: Dr. Gene Theodori

#NotMyPresident: Congressional Candidates' Tweets about Trump in 2016 and 2018

Mikki Woodard

Faculty Advisor: Dr. Heather Evans

The Importance of Soft Skills for College Graduates

Cassee Prince

Faculty Advisor: Dr. Danica Schieber

Session A

9:00-10:20

ROOM 232 Race & Culture

Civil War: The 54th Massachusetts Regiment

Bram Sebio-Brundage

Faculty Advisor: Dr. Wesley Phelps

Neither Here Nor There: Migrant Aspirations and Behavior En-Route to the American Dream

Jesus Ayala Candia

Faculty Advisor: Dr. Karen Douglas

The Dawn of Mexican Americans

Jocelyn Tobias

Faculty Advisor: Katherine Gaskamp

Affectionate Communication: Exploring Cross-Cultural Differences

Taylor Butler

Faculty Advisor: Dr. Lisa van Raalte

ROOM 242A Images of Women in Film & Literature

Women of Action: A Qualitative Study of the Motivational Reasons for Women to be Violent in Entertainment Media in the United States and Japan

Julia Gernhart

Faculty Advisor: Dr. Eryn O'Neal

The Representation of Justice in Desert Blood and other Crime Shows

Samantha Galvez

Faculty Advisor: Dr. Montserrat Feu Lopez

William Blake: Misogyny and Mythology

Rebekah Primrose

Faculty Advisor: Dr. Kandi Tayebi

Stolen Innocence: The Over-Sexualization of Latinas in Sandra Cisneros' The House on Mango Street

Ruby Rodriguez

Faculty Advisor: Dr. Kandi Tayebi

Session B

10:30-11:50

ROOM 206 Criminal Justice in China

An Examination of Chinese Police Cadet's Knowledge of Domestic Violence

Makayla Mason

Faculty Advisor: Dr. Brittany Hayes

The Effects of Intergenerational Transmission of Violence on the Attitudes and Perpetration of Domestic Violence in Chinese Police Cadets

Camille Ingham

Faculty Advisor: Dr. Brittany Hayes

ROOM 210 M. I. S.: An ACE Showcase

The Impact of Cloud Computing on Business

Soo Jong Cho, Cameron Evans, Santos Karki, Saad Tabba

Faculty Advisor: Dr. Kamphol Wipawayangkool

On-premise Versus Cloud Software and Infrastructure

Joshua Abshire, Travis Dixon, Nathan Hillger, Logan Huff

Faculty Advisor: Dr. Kamphol Wipawayangkool

Cloud Computing Security Issues

Kenneth Malone, Cameron Monnat, John Moreno, Torian Williams

Faculty Advisor: Dr. Kamphol Wipawayangkool

Big Data and Cloud Computing

Peyton Clark, Franklin Junay Lemus, Urja KC, Eduardo Martinez

Faculty Advisor: Dr. Kamphol Wipawayangkool

ROOM 220 Biological & Chemical Innovation

Understanding the Network of Interactions in Microbial Communities

Jeffrey Belanger, Lindsey Burcham, Madison Cowdrey

Faculty Advisor: Dr. Todd Primm

Observing Chemical Phenomena With New Eyes

Diana Chavelas, Ashlyn Everhart, Shannon Miller

Faculty Advisor: Dr. Darren Williams

The Effects of DMSO in Dark-Anaerobic Conditions on the Growth of Rhodobacter sphaeroides

Lorenzo Baeza

Faculty Advisor: Dr. Madhusudan Choudhary

The Effects of Cortisol on Nightmares and Sleep Quality in PTSD

Kaitlynn Dawson

Faculty Advisor: Dr. Courtney Banks

Session B

10:30-11:50

ROOM 232 Critical Issues in Race & Disability

The Epistemology of Racial Ignorance & Cognitive Dissonance

Rayya Gordon

Faculty Advisor: Dr. Leamon Bazil

Dr. Tommy Curry, Race, and Forgiveness

Jackson Bittick

Faculty Advisor: Dr. Leamon Bazil

Mental Illness Across Defendants of Different Races: Competency to Stand Trial or Be Restored

Brittiany Minor

Faculty Advisor: Dr. Jorge Varela

To Protect and Serve All

Sarah Ramirez

Faculty Advisor: Dr. Nancy Stockhall

ROOM 242A Plants & Animals

Olive Pomace as an Alternative Feed Source in Growing Chickens

Ethan Carter

Faculty Advisor: Dr. Mark Anderson

Evaniidae Antenna Sensilla

Jeffrey Belanger

Faculty Advisor: Dr. Jerry Cook

The Relationship of Monoterpene Gas Emission and Leaf Bud Break

Andrew Martinez

Faculty Advisor: Dr. Chris Randle

ROOM 252 Alternate Views

The Art of Code Switching

Lucero Nava, Michael Villanueva

Faculty Advisor: Dr. Carlos Hernandez

The Indivisibility of Emotions

Dalanie Auffill

Faculty Advisor: Dr. Maria Botero

Perception of Sports and Mental Health

David Tuel

Faculty Advisor: Dr. Courtney Banks

Charlie: A Look Into the Making of an Original Musical

Damien Drake, Alstrael Evans, Chelsea MacElvaine, Michelle Sosa

Faculty Advisor: Kyle Craig-Bogard

Session C: Posters

1:30-2:50

ROOM 241B Agriculture

Association of Adult Obesity Rates and Access to Restaurants

Wyatt Denson, Meranda Mull, Ixel Romero, Samuel Runge, Hunter Tupa, Collin Wenze

Faculty Advisor: Dr. Shyam Nair

Comparison of Physiological Responses to Exercise in Horses on a Conditioning Regimen Versus Inactive Horses Receiving a Yucca and Fenugreek (Digesta Well NRG) Dietary Supplement

Rachel Miller

Faculty Advisor: Dr. Jessica Bedore

Do Food Assistance Programs (SNAP) Benefit Availability Influence the Perceived Adult Food Insecurity?

Annie Bailey, Christopher Boring, Tyler Minx, Caitlin Wesneski

Faculty Advisor: Dr. Shyam Nair

How Does Access to School Food Assistance Programs Impact Food Insecurity Among Children?

Matthew Anderson, Charles Cavanaugh, Maddie Costlow, Kalla Gaertner

Faculty Advisor: Dr. Shyam Nair

Evaluation of an All-Natural Fermentation-based Feed Additive on Growth and Health of White-tailed Deer Fawns

Pui Chan

Faculty Advisor: Dr. Kyle Stutts

Evaluation of an All-Natural Fermentation-based Feed Additive on Immune Response to Vaccination in Mature White-tailed Deer

Alyssa Barta

Faculty Advisor: Dr. Kyle Stutts

Influence of Food Store Proximity on Obesity Rate of Adults

Alyssa Doucet, Kaylee Enloe, Kyle Jahn, Evan Powell, Jonathan Soza

Faculty Advisor: Dr. Shyam Nair

Relationship between Adult Food Insecurity and Distance to Stores Accepting SNAP Food Assistance

Andrew Fleming, Katelyn Morgenroth, Travis Morgan, Brandon Slovak

Faculty Advisor: Dr. Shyam Nair

Relationship between Adult Obesity Rates and Access to Recreation and Fitness Facilities

Hunter Curry, Shelby Coogler, Rachael Hargarves, Max Joiner, Tyler Newsome, Wyatt Williams

Faculty Advisor: Dr. Shyam Nair

ROOM 241A Biological Sciences & Chemistry

Assessing Historical Fish Community Structure using Taxonomic, Functional, and Historical-contemporary Data

Edan Morag

Faculty Advisor: Dr. Carmen G. Montana-Schalk

Comparison of Human Decomposition in Climate Controlled Settings

Megan Skinner

Faculty Advisor: Dr. Sibyl Bucheli

Control Experiments for Studying DMTS Degradation

Christian McMurray

Faculty Advisor: Dr. David Thompson

Design of Significant Learning Experiences in the Chemistry Laboratory: Understanding the Physical Properties of Aqueous Solutions

Ivette Rodriguez Espinoza

Faculty Advisor: Adrian Villalta-Cerdas

Does Urbanization Influence the Life History Parameters of the Western Mosquitofish (*Gambusia affinis*)?

Janessa Estrada

Faculty Advisor: Dr. Carmen G. Montana-Schalk

Dynamic Covalent Exchange and Relative Stabilities of Benzodioxaboroles, Benzodiazaboroles, and Benz

Olivia Villanueva

Faculty Advisor: Dr. Dustin Gross

Ecology of Cretaceous Dallas

Jakob Unruh

Faculty Advisor: Dr. Patrick Lewis

Effects of Different Carbon Sources on the Growth of *Rhodobacter sphaeroides*

Noah Zavala

Faculty Advisor: Dr. Madhusudan Choudhary

Extraction of Natural Products as an Introduction to Commonly used Laboratory Techniques, Polymer Materials, and Fluorescence in the Organic Chemistry Laboratory

Andrea Bui, My Phan

Faculty Advisor: Dr. Adrian Villalta-Cerdas

Isolation and Partial Characterization of Novel Antibiotic Producing Soil Isolates

Luis Grado

Faculty Advisor: Dr. Jeremy Bechelli

Niche Segregation Among Sunfishes (*Lepomis spp.*) in an East Texas Urban Stream

Chelsea Veloso

Faculty Advisor: Dr. Carmen G. Montana-Schalk

Photocaging Technique for the Targeted, Spatiotemporally Controlled Release of Substances that Alter Hormone Metabolism

Kendra Ireland

Faculty Advisor: Dr. Donovan Haines

Preparation and Identification of P450 Metabolites of Dextromethorphan

Ruby Lilredahl

Faculty Advisor: Dr. Donovan Haines

Virtual Dissection

Amber Saleem

Faculty Advisor: Dr. Patrick Lewis

**ROOM
241B Business, Mathematics, & Engineering Technology**

Behavioral Economics in the 21st Century: The Effectiveness of Governmental Behavioral Economic Units

Michael McCarney

Faculty Advisor: Dr. Hiranya Nath

Going "GREEN" in the Petrochemical Industry

Neisha Pander

Faculty Advisor: Dr. Tamara Cook

Exploring the Graph Reconstruction Conjecture

David Schmitt

Faculty Advisor: Dr. Ken Smith

Rectangular Ramsey Numbers

Julian Marquez

Faculty Advisor: Dr. Timothy Trujillo

Smart Grid Infrastructure Development

Kali Johnson, Gerardo Rodriguez

Faculty Advisor: Dr. Reg Pecen

ROOM
241B Criminal Justice & Psychology

An Examination of Correctional Officer Work-Life Balance

Valeria Garza

Faculty Advisor: Dr. Harry Butler

Department of Corrections: Only One Mission?

Lorena Mena

Faculty Advisor: Kate Angulski

Examining Relationships between Criminogenic Thinking Patterns and Psychopathology

Aysiah Garza

Faculty Advisor: Dr. Jorge Varela

Intimate Partner Abuse Abroad and the Victim's Rights

Delaney Elrod

Faculty Advisor: Dr. Nicole Niebuhr

Juvenile Competency to Stand Trial Standards

Taryn Meyer

Faculty Advisor: Dr. Steven Cuvelier

Psychopathy: The Good and the Bad

Cassandra Allen, Olivia Heide

Faculty Advisor: Stephanie Haugh

Sex Offender Registry: The Need For Reform

Anna Nix

Faculty Advisor: Dr. Elisa Toman

ROOM
242 Education, Humanities, & Social Sciences

A is for Apple - Animation for Developing Language Skills

Linda Gee, Shelby Switzer

Faculty Advisor: Dr. Edward Morin

A Prisoner's World

Jasmine Silva

Faculty Advisor: Dr. Tracy Bilsing

Addressing the Cultural Process of Stereotyping among TESOL Preservice Teachers

Emma Berthelsen

Faculty Advisor: Dr. Abdelilah Salim Sehlaoui

Becoming a World of Acceptance

Valentina Rombado

Faculty Advisor: Dr. Ching-in Chen

David Koresh is Vernon Wayne Howell

Cecilia Monreal

Faculty Advisor: Dr. Michael Demson

Emotional Broadcasting in High - Functioning Autism

Gwendolyn Squires

Faculty Advisor: Dr. Ramona Noland

Identity, Power, Promise: Factors leading to the Fall of the Branch Davidians in Waco, Texas

Sarah Shackelford

Faculty Advisor: Dr. Michael Demson

Illegal Children

Gabrielle Hernandez

Faculty Advisor: Dr. Jeffrey Littlejohn

Lynchings in Montgomery County

Joseph Fairless

Faculty Advisor: Dr. Jeffrey Littlejohn

Nation Building in Mexico

Heather Howsmon

Faculty Advisor: Dr. Jeffrey Littlejohn

The Carefree Black Girl Movement

Joy Njagi

Faculty Advisor: Dr. Ching-in Chen

The Effective Learning Strategies of Teaching Two - Digit Addition and Subtraction To Elementary Students

Jillian Choquette, Amy Koncaba

Faculty Advisor: Dr. Emma Bullock

The Koresh Trance

Jada Morgan

Faculty Advisor: Dr. Michael Demson

The Underestimated Power of Charisma

Erin Griffin

Faculty Advisor: Dr. Michael Demson

When Memes Become Weapons

Grace Iler

Faculty Advisor: Dr. Olena Leipnik

**ROOM
230 Health Sciences**

Avoiding Perioperative Hypothermia

Tamara Peirce

Faculty Advisor: Dr. Mona Cockerham

Blood Culture Contamination

Alyssa Kruse

Faculty Advisor: Dr. Mona Cockerham

Clostridium Difficile Screening

Shelby Prewitt

Faculty Advisor: Dr. Mona Cockerham

Clostridium Difficile Test Criteria

Ariana Porfidia

Faculty Advisor: Dr. Mona Cockerham

Comparing Pain Scales

Melissa O'Larey

Faculty Advisor: Deborah Duncan

Compliance of Whiteboard Use in ED

Breann Emshoff

Faculty Advisor: Dr. Mona Cockerham, Samantha McBroom

Compliance with Sepsis Bundle

Mikaela Johnson

Faculty Advisor: Dr. Mona Cockerham, Deborah Duncan

Crucial Conversations in Nursing

Eliver Tumbaga

Faculty Advisor: Dr. Mona Cockerham

Decreasing CAUTI rates in the ICU

Anthony Hernandez

Faculty Advisor: Carlie Sharp, Deborah Duncan

Discharge Checklist Effectiveness

Elijah Bautista

Faculty Advisor: Dr. Mona Cockerham

Effects of Fall Bundles With Visual Cues

Keisha Wiley

Faculty Advisor: Dr. Mona Cockerham

Fall Bundle with Patient Contract

Haley Shankster

Faculty Advisor: Dr. Mona Cockerham

Fall Prevention Education

LaTrenda Thompson

Faculty Advisor: Dr. Mona Cockerham

Hospital Acquired Pressure Ulcers

Janecia Ford

Faculty Advisor: Dr. Mona Cockerham

Implementation of Fall Mats and Fall Contracts

Nicole Toth

Faculty Advisor: Dr. Mona Cockerham

Improved Handoff Communication

Cassandra Koski

Faculty Advisor: Dr. Mona Cockerham

Improving Anthropometrics

Rosie Diaz

Faculty Advisor: Dr. Mona Cockerham

Improving Antibiotic Administration

Jeffrey Cadwallader

Faculty Advisor: Dr. Mona Cockerham

Improving Call Light Responsiveness

Maria Harbaugh

Faculty Advisor: Dr. Mona Cockerham

Improving Discharge Times and Identifying Barriers

Toni Scantlin

Faculty Advisor: Deborah Duncan

Increased Sepsis Screening Compliance

Galen Deleon

Faculty Advisor: Deborah Duncan, Julie Ruocco

Increasing Exclusive Breastfeeding

Hanna Peterson

Faculty Advisor: Dr. Mona Cockerham

Indications for Indwelling Urinary Catheters

Bobby Bates

Faculty Advisor: Dr. Mona Cockerham

Interruption in the Postpartum Unit

Kris Cam

Faculty Advisor: Deborah Duncan

Labeling Tube Feedings

Turner DeVaney

Faculty Advisor: Dr. Mona Cockerham

Measurement of Blood Loss

Elisabeth Shell

Faculty Advisor: Dr. Mona Cockerham

Measuring Obstetric Blood Loss

Nohema Carrillo

Faculty Advisor: Dr. Mona Cockerham

Medication Teach-Back

Hannah Wheeler

Faculty Advisor: Dr. Mona Cockerham

Music Impact on Premature Infants

Ashley Egner

Faculty Advisor: Elizabeth Kutchback

Music Therapy in Premature Infants

Kara Deem

Faculty Advisor: Dr. Mona Cockerham

Neonatal Hypoglycemic Control

Mallorie Madden

Faculty Advisor: Dr. Mona Cockerham

Nutritional Risk and the NRS-2002

Veronica Garza

Faculty Advisor: Dr. Mona Cockerham

Oral Care in Ventilated Patients

Ashton Guillory

Faculty Advisor: Dr. Mona Cockerham

Oral Colostrum Priming

Jessica Clayton

Faculty Advisor: Dr. Mona Cockerham

Overcoming Compassion Fatigue

Devyn Fitzpatrick

Faculty Advisor: Dr. Mona Cockerham

Pain Control and Blood Pressure

Natalie Newton

Faculty Advisor: Deborah Duncan, Darrell Jones

Pain Reassessment Compliance

Alicia Hudgens

Faculty Advisor: Dr. Mona Cockerham

Patient Communicated Fall Risk

Cindy Huynh

Faculty Advisor: Dr. Mona Cockerham

Patient Engagement and Perceptions on Fall Risks

Keegan Smith

Faculty Advisor: Dr. Mona Cockerham

Patient Focused Fall Prevention

Emily Smith

Faculty Advisor: Dr. Mona Cockerham

Patient Identification Compliance

Tristyn Duffy

Faculty Advisor: Dr. Mona Cockerham

Patient Identification via Wristband Validation and Compliancy

Jordan Driskell

Faculty Advisor: Dr. Mona Cockerham

Patient Inclusion Causing Less Falls

Crystal Powers

Faculty Advisor: Deborah Duncan

Patient Perceived Fall Risks

Morgan Dietz

Faculty Advisor: Deborah Duncan

Patient Sitter Criteria

Charday Williams

Faculty Advisor: Dr. Mona Cockerham

Patient Understanding of Fall Risks

Luz Garcia

Faculty Advisor: Dr. Mona Cockerham

Personal Protective Equipment

Vy Chau

Faculty Advisor: Dr. Mona Cockerham

Postpartum Depression Assessment

Victoria Mendoza

Faculty Advisor: Dr. Mona Cockerham

Post-partum hemorrhage (PPH) risk assessment compliance

Caley Walkoviak

Faculty Advisor: Dr. Mona Cockerham

Reducing Central Line Infections

Kayla Arrendell

Faculty Advisor: Dr. Mona Cockerham

Reducing Restraints

Jennifer Holton

Faculty Advisor: Dr. Mona Cockerham

Reducing Signs with Door Signage

Courtney Roan

Faculty Advisor: Dr. Mona Cockerham

Reviewing Presurgical Documents

Victoria Webb

Faculty Advisor: Dr. Mona Cockerham

Surgical Checklist Compliance

Quinlyn Rasmussen

Faculty Advisor: Dr. Mona Cockerham

The Consent Form Dilemma

Makayla Broadbent

Faculty Advisor: Dr. Mona Cockerham

Triage Throughout Time

Ashley Sowell

Faculty Advisor: Dr. Mona Cockerham

Venous Thromboembolism Prophylaxis

Marion Zuniga

Faculty Advisor: Dr. Mona Cockerham

Verbal+Written Medication Education

Taylor Munguia

Faculty Advisor: Dr. Mona Cockerham

Video-Monitoring To Prevent Falls

Frank Breckon

Faculty Advisor: Dr. Mona Cockerham

Visual Cues and Early Sepsis Identification

Marlen Salinas

Faculty Advisor: Dr. Mona Cockerham

Session D

3:00-4:20

ROOM 206 Making the Student Experience a Better One

Bibliotherapy: Supporting the Emotional Needs of Students through Literature

Jamey Peersmann

Faculty Advisor: Dr. Lory Hass

The Relation Between Pets, Emotional Intelligence, and GPA in College Students

Rayne Horton

Faculty Advisor: Dr. Amanda Venta

ELL Stuggles and Strategies

Camree Ulbricht

Faculty Advisor: Dr. Mary Petron

The Benefits of Humor Usage in Our Everyday Lives

Sarah Wagner

Faculty Advisor: Dr. Frances Brandau

ROOM 220 People and Politics

Dr. Seuss: A Political Activist

Melanie Hoover

Faculty Advisor: Dr. Wesley Phelps

#MeToo? Exploring Inadequate Representation within Mainstream Feminist Social Justice Movements and Eradicating the "All Lives Matter" Approach to Solidarity

Destiny Caldwell

Faculty Advisor: Dr. Katie Stockdale

Out of the Kitchen and into Congress: An Analysis of How Female Candidates Tweeted in 2016

Miranda Estrada

Faculty Advisor: Dr. Heather K. Evans

The Miseducation of Little Black Girls

Dajone Durham

Faculty Advisor: Dr. M. Jade Zimpfer

ROOM 226 Dystopia, Class, & Creativity

The Difference Between Ignoring & Ignorance: The Foundation of Gilead

Alex Cook

Faculty Advisor: Dr. Kandi Tayebi

The Hierarchal Frameworks of Chaucer

Cassandra Allen

Faculty Advisor: Dr. Darci Hill

"Cause of Gilead:" The Handmaid's Tale, Dystopian Society and Fairytales

Madison Lindquist

Faculty Advisor: Dr. Kandi Tayebi

Shaping Herstory: Ruth Page and An American Pattern

Carlee Sachs-Krook

Faculty Advisor: Dr. Jessica Ray Herzogenrath

Session D

3:00-4:20

ROOM 232 Body of Evidence

Degradation of Human Cadaver Phalanges Using Household Chemicals

Margaret Spell

Faculty Advisor: Dr. Joan Bytheway

Does Hydrocephalus Interfere with the Estimation of Ancestry Derived from the Skull?

Jasmine Garcia

Faculty Advisor: Dr. Joan Bytheway

The Post Mortem Intervals of Hair Banding Prevalent in Differentiating Period Rates within European Ancestry

Teria Godwin-Pierce

Faculty Advisor: Jennifer Keily

The Morphology of Ballistic Trauma

Stephanie Baker

Faculty Advisor: Jennifer Keily

ROOM 242A Nature & The Machine

Effects of Hurricane Harvey on the Contamination of Water Supplies in Galveston, TX

Neisha Pander

Faculty Advisor: Dr. Mahdi Safa

People's Perception of Leading Firms in Artificial Intelligence

Brianna Hickman, Julio Valdez

Faculty Advisor: Dr. Karen Sherrill

Integrating State-of-the-art Technologies in Construction Management: Blockchain

Sylvia Baeza

Faculty Advisor: Dr. Mahdi Safa

ROOM 252 EURECA FAST Panel

The purpose of the FAST Awards program is to encourage the participation of undergraduate students in discipline-specific scholarly or creative work. Each funded undergraduate team supports 1-3 students working together on a single scholarly or creative project under the mentoring of either one Sam Houston State University faculty member or an interdisciplinary team of 2 or more SHSU faculty members. The student teams in this panel will engage in a discussion, sharing their experiences provided through the grant.

Camille Ingham, Makayla Mason

Faculty Advisor: Dr. Brittany Hayes

Kali Johnson, Gerardo Rodriguez

Faculty Advisor: Dr. Reg Pecem

Jeffrey Belanger, Lindsey Burcham, Madison Cowdrey

Faculty Advisor: Dr. Todd Primm

Stacey Lagrone

Faculty Advisor: Dr. Chase Young

Linda Gee, Shelby Switzer

Faculty Advisor: Dr. Edward Morin



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

Paulina Banas

Kimberly Bell

Tracy Bilsing

Brian Blackburne

Maria Botero

Mack Campbell

Madhusudan Choudhary

Mona Cockerham

Lee Courtney

Deborah Duncan

William Fleming

Lory Haas

Doug Haines

Brittany Hayes

Elisa Herrmann

Maria Holmes

Barbara Kaminska

Jennifer Kiely

Nick Lantz

Jeffrey Littlejohn

Zijun Luo

Barbara Miles

Shyam Nair

Carroll Nardone

Hiranya Nath

Reg Pecen

Todd Primm

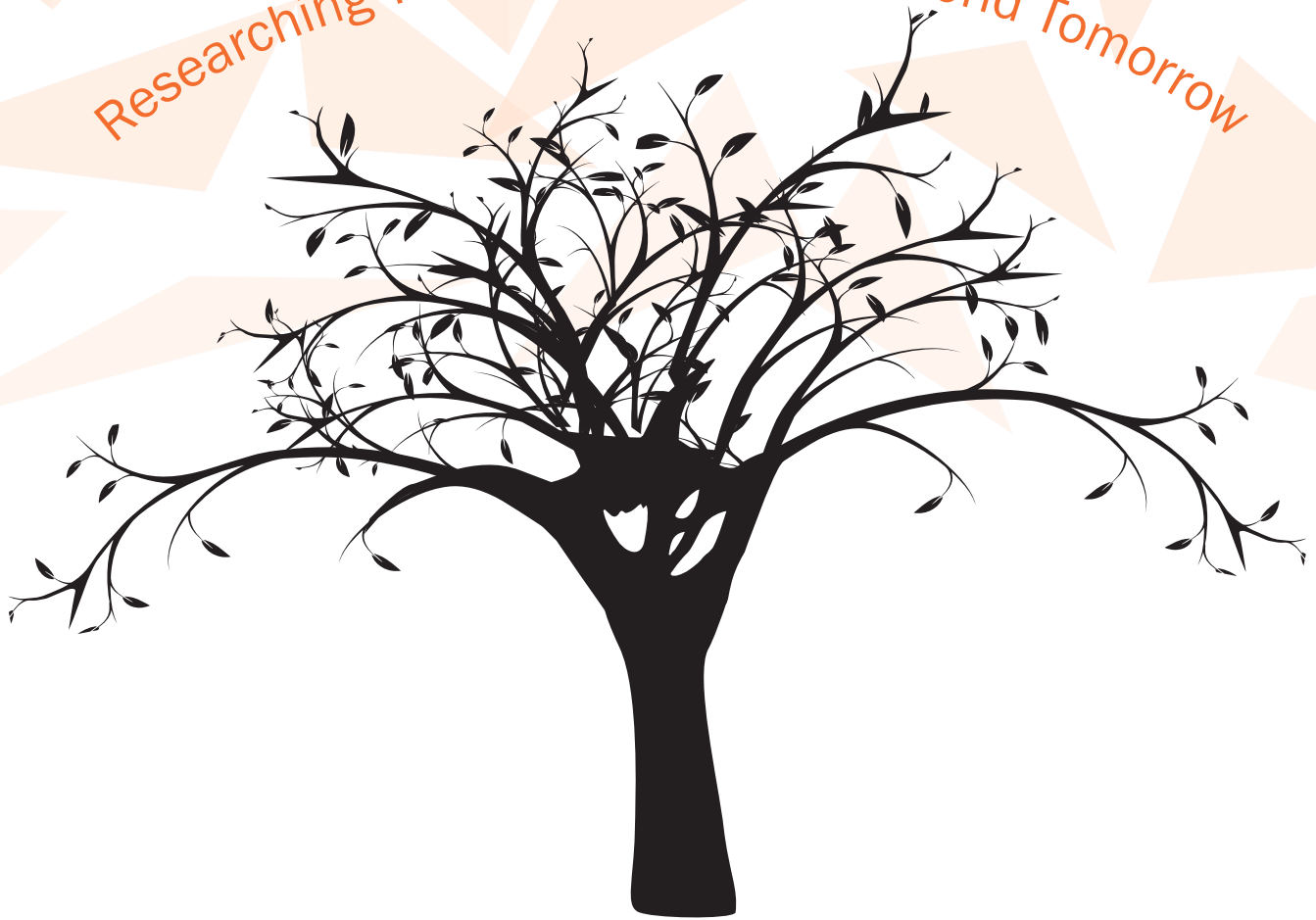
Mahdi Safa

Linda Webster

Kamphol Wipawayangkool

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Sam Houston State University

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