

University of Houston  Clear Lake

Program for the 2025
University of Houston-Clear Lake
Student Conference
for Research & Creative Arts
April 19th – April 25th

Saturday, April 19, 2025

College of Science and Engineering

9:00 a.m. – 11:00 a.m. Bayou 1313

Faculty Chair: Dr. Uttam Pokharel

Title: The Optimization of Aptamer-Based Galvanic Exchange Electrochemical Assays.

Presenters: Eman Alwarsh

Faculty Sponsor: Dr. Charuksha Walgama

Time: 9:00 – 9:20

Title: Exploring Intrinsic Interferences in the Analysis of Sodium and Barium Ions Using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Presenters: Irene Pena

Faculty Sponsor: Dr. Charuksha Walgama

Time: 9:20 – 9:40

Title: Electrochemical Synthesis: Mediated Electrooxidation of Simple Alcohols.

Presenters: Kylie Fell

Faculty Sponsor: Dr. Charuksha Walgama

Time: 9:40 – 10:00

Title: Myoglobin Bio Films for Peroxide Detection.

Presenters: Malcolm May

Faculty Sponsor: Dr. Charuksha Walgama

Time: 10:00 – 10:20

Title: Detection of Heavy Metal Ions Using an Electrode Modified with a Zirconium/Naphthalene Diimide Metal-Organic Framework.

Presenters: Chris Stephenson

Faculty Sponsor: Dr. Charuksha Walgama, Dr. Jack Lu

Time: 10:20 – 10:40

Title: Electrochemical Analysis of Selenium In The Forms Of Selenomethionine, Selenite, and Selenate.

Presenters: Cassandra Rodriguez

Faculty Sponsor: Dr. Charuksha Walgama

Time: 10:40 – 11:00

Saturday, April 19, 2025

College of Human Sciences and Humanities

9:00 a.m. – 9:50 a.m. Bayou 1333

Panel

Faculty Chair: Dr. Chloe Diepenbrock

Panelist: Blas Estrada:

The Sadistic Snake of the Legendary Sannin: Orochimaru's Portrayal and its Queer Implications.

Panelist: Ericka Smith:

No Kudos for the Kunoichi: The Neglected Women of Naruto.

Panelist: Osasere Edo-Ewansiha:

Tsunade & The 4 Rules of a Medical Ninja: A Feminist Critique.

Saturday, April 19, 2025

College of Education

9:00 a.m. – 11:40 a.m. Bayou 1133

Faculty Chair: Dr. Rebecca Huss-Keeler

Title: Third Through Fifth Grade English Language Arts and Reading Teacher Perceptions of the Five Dimensions of Professional Learning Communities and the Impact on Reading Achievement.

Presenters: Carmen Gonzales

Faculty Sponsor: Dr. Rebecca Huss-Keeler

Time: 9:00 – 9:20

Title: An Analysis of Teacher Perceptions of Successful Reading Interventions for Emergent Bilingual Students in Middle School.

Presenters: Zainab S. Fazalbhoy

Faculty Sponsor: Dr. Amber Brown

Time: 9:20 – 9:40

Title: Examining the Educational and Career Pathways of DACA Recipients Through *Testimonios*.

Presenters: Roberto Javier Diaz Castillo

Faculty Sponsor: Dr. Amber Brown

Time: 9:40 – 10:00

Title: Language Learning: Research into my Language Learning Journey.

Presenters: Iliana Quezada, Maria F. Guillen

Faculty Sponsor: Dr. Leslie M Gauna

Time: 10:00 – 10:20

Title: The Misadventure of Dofi the Elf.

Presenters: Beverly Taylor

Faculty Sponsor: Dr. Lauren Kussro

Time: 10:20 – 10:40

Title: Theories of American Pluralism: Research into my Identity and my Choice to Become an Educator.

Presenters: Sadia Nizam

Faculty Sponsor: Dr. Leslie M Gauna

Time: 10:40 – 11:00

Title: Note-taking Medium and Access to External Resources Influence on Academic Achievement.

Presenters: Jerry Ashcroft

Faculty Sponsor: Dr. Kelsey James

Time: 11:00 – 11:20

Saturday, April 19, 2025

Clear Lake High School

9:00 a.m. – 12:30 a.m. Bayou 1302

Faculty Chair: Ms. Erica Smith

Title: An Assessment of the Methodology of Prosecution Cross-Examination.

Presenters: Madeleine Dupree

Faculty Sponsor: Ms. Erica Smith

Time: 10:00 – 10:20

Title: Tutorials, Through the Eyes of a Student: Are Tutorials Being Taken Advantage of?

Presenters: William Hare

Faculty Sponsor: Ms. Erica Smith

Time: 10:20 – 10:40

Title: Identification of Harmful Themes Found within Content Created by American Female Fitness Influencers.

Presenters: Ava Pina

Faculty Sponsor: Ms. Erica Smith

Time: 10:40 – 11:00

Title: Characteristics by Ethnically Misaligned Actors in Asian Roles in Hollywood.

Presenters: Julia Kongthalath

Faculty Sponsor: Ms. Erica Smith

Time: 11:00 – 11:20

Title: Popular Themes in Tumblr Fandom Art.

Presenters: Carina Mendick

Faculty Sponsor: Ms. Erica Smith

Time: 11:20 – 11:40

Title: An Evaluation of Pyramid Scheming on Instagram.

Presenters: Keelin Monk

Faculty Sponsor: Ms. Erica Smith

Time: 11:40 – 12:00

Title: New York Times Games and Their Influence on High School Students in AP Core Subjects.

Presenters: Xiaomei (Michelle) Cai

Faculty Sponsor: Ms. Erica Smith

Time: 12:00 – 12:20

Saturday, April 19, 2025

College of Human Sciences and Humanities/College of Business

9 a.m. – 10:20 p.m. Bayou 1135

Faculty Chair: Dr. Isabel Woelfel

Title: Healing the Healers: Restoring the Heart of Emergency Care.

Presenters: Prasiddhi Pawani

Faculty Sponsor: Ms. Shealyn K. Tomlinson

Time: 9:00 – 9:20

Title: Effectiveness of Positive Self-Talk on Exercise Performance and Self-Efficacy.

Presenters: Ana Martinez-Brown

Faculty Sponsor: Dr. Isabel Woelfel

Time: 9:20 – 9:40

Title: The Effects of Incorporating SMART Goal Education into a Resistance Training Program on Self-Efficacy and BMI.

Presenters: Josh Ramos, Josiah Slack, Brandon Webb

Faculty Sponsor: Dr. Isabel Woelfel

Time: 9:40 – 10:00

Title: The Efficacy of Virtual Reality Rehabilitation Compared to Conventional Therapy in Parkinson's Disease: A Critical Appraisal

Presenters: Anely Erlewein, Gabriela Vaquerano, Janelle Baham, Yessenia Pena

Faculty Sponsor: Dr. Isabel Woelfel

Time: 10:00 – 10:20

Saturday, April 19, 2025

College of Human Sciences and Humanities

10:00 a.m. – 12:20 p.m. Bayou 1333

Faculty Chairs: Dr. Thais Sant'Ana and Dr. Pearl Young

Title: Deep in the Heart: Interpreting Difficult Texas History in Public Programming.

Presenters: Bailey Brantley

Faculty Sponsor: Dr. Pearl Young

Time: 10:00 – 10:20

Title: Women with a Mission: Persuasion, Politics, and Gender in the Civil War Crisis 1850-1865.

Presenters: Shelby Rodwell Coulson

Faculty Sponsor: Dr. Pearl Young

Time: 10:20 – 10:40

Title: Questioning the Holy: Women Who Questioned the Sanctity of Catholic Traditions and Practices.

Presenters: Hannah Pullen

Faculty Sponsor: Dr. Pearl Young

Time: 10:40 – 11:00

Title: Perceptions of Coercion in Plea Bargaining: A Pilot Study.

Presenters: Sahir Damani, Sabrina Garcia

Faculty Sponsor: Dr. Samantha Luna

Time: 11:00 – 11:20

Title: Optimizing Practical Blood Flow Restriction: The Effects of Conditioning on Pressure Replication in Aging Populations.

Presenters: Swarangee Sathe, Shisam Neupane

Faculty Sponsor: Dr. Zachary Bell

Time: 11:20 – 11:40

Title: Imperialist Rhetoric in Brontë's "Agnes Grey".

Presenters: Osasere Edo-Ewansiha

Faculty Sponsor: Dr. Anne Marcoline

Time: 11:40 – 12:00

Title: Horror Cinema in the Conversation Surrounding Age Insecurity in Older Women: The Case of "The Substance".

Presenters: Nadia Jasso

Faculty Sponsor: Dr. Michael Clody

Time: 12:00 – 12:20

Saturday, April 19, 2025

College of Business

The Annual Hawk Business Pitch Competition

10 a.m. – 1 p.m. Bayou Forest Room

Faculty Chair: Dr. Troy Voelker

About the Competition

The annual Hawk Business Pitch Competition, hosted by the College of Business at UHCL, provides a platform for learners to transform their entrepreneurial skills and innovative businesses. Through crafting one-pagers and immersing themselves in our Business Pitch Boot Camp, learners gain essential tools and knowledge for success. At the thrilling live finale, competitors present their pitches to a panel of esteemed guest judges, vying for award funding. Whether at the concept, launch, or growth stage, the Hawk Business Pitch Competition empowers learners to turn their dreams into reality!

This year's Hawk Business Pitch Competition finalists are:

- Duc Le (MS Management Information Systems)
Business name: Freedom Fried Chicken
- Robert Blake (MS Biotechnology)
Business name: Exponential Therapeutics
- Prasiddhi Pawani (BS Behavioral Science)
Business Name: Nunu Mouse
- Tri Nguyen (MS Psychology)
Business name: MHAI (Mental Health AI)
- Victoria Martinez (BS Management)
Business name: Natsukashii Otaku Candles

Saturday, April 19, 2025

College of Human Sciences and Humanities

Neuroscience & Behavior Symposium

10:30 a.m. - 12:10 p.m. Bayou 1135

Faculty Chair: Dr. Georgina Moreno

Title: The Influence of Stress on Decision Making and Affect in Anagram Puzzles.

Presenter: Yasmin Boloori, Brenda Ortiz, Wil Robinson, Paige Simpson

Faculty Sponsor: Dr. Georgina Moreno

Time: 10:30 – 10:50

Title: The Effects of Virtual Reality on Acute Stress and Memory.

Presenter: Angela Cabrera, Maya Brooks, Amina Mbipheh

Faculty Sponsor: Dr. Georgina Moreno

Time: 10:50 – 11:10

Title: Effects of Dynamic Bimodal Congruency on Affect and Memory.

Presenter: Kylie Forgy

Faculty Sponsor: Dr. Georgina Moreno

Time: 11:10 – 11:30

Title: Effects of Technology Dependence on Emotional Regulation and Ostracism.

Presenter: Paige Simpson

Faculty Sponsor: Dr. Georgina Moreno

Time: 11:30 – 11:50

Title: The Influence of Music Linguistics on Sustained Attention Performance and HRV.

Presenter: Lauryn White, Faith Carlos, Kylie Forgy

Faculty Sponsor: Dr. Georgina Moreno

Time: 11:50 – 12:10

Saturday, April 19, 2025

College of Science and Engineering

11:10 a.m. – 12:30 p.m. Bayou 1313

Faculty Chair: Dr. Tej Limbu

Title: Helly-Type Theorems for Convex Bodies in the Plane.

Presenters: Elyssa Martin

Faculty Sponsor: Dr. Zack Mustafaev

Time: 11:10 – 11:30

Title: Enhanced Photoresponsivity in Gold Nanoparticle/2D Bi₂O₂Se Hybrid Material.

Presenters: Jittin Thomas, Whitney Jones, Mackenzie Songsart-Power, David Black, Amit Shringi, Fei Yan

Faculty Sponsor: Dr. Tej Limbu

Time: 11:30 – 11:50

Title: Equations of Motion for Free Fall under a Variable Gravitational Field.

Presenters: Pratyush Shrestha, Chandra M. Adhikari

Faculty Sponsor: Dr. Tej Limbu

Time: 11:50 – 12:10

Title: Photo-Induced Charge Transfer Properties of 2D Nb₂CTX MXene for Molecule Detection.

Presenters: Mackenzie Songsart-Power, Brady Wilson, Joseph W. Phalen, Chetan Dhital

Faculty Sponsor: Dr. Tej Limbu

Time: 12:10 – 12:30

Saturday, April 19, 2025

College of Science and Engineering

11:30 a.m. – 12:40 p.m. Bayou 1313

Faculty Chair: Dr. Samina Masood

Title: Understanding Gamma-Ray Bursts: Probing the Universe's Most Energetic Explosions.

Presenters: Britney Groshong

Faculty Sponsor: Dr. Samina Masood

Time: 11:30 – 11:50

Title: Effect of Strong Magnetic Field on the Renormalization of QED.

Presenters: Namratha Chander Gopanaboyina

Faculty Sponsor: Samina Masood

Time: 11:50 – 12:10

Title: Particle propagation in Strong Magnetic Field.

Presenters: Jean Guma De la Vega

Faculty Sponsor: Dr. Samina Masood

Time: 12:10 – 12:40

Saturday, April 19, 2025

College of Science and Engineering

Poster Session

Faculty Chair: Dr. Cindy Howard

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: Identification and Antibiotic Resistance of Bacterial Strains in Brown Shrimp Harvested from Galveston Bay.

Presenters: Michelle Alanis, Hasan Aydin, Brianna Armendariz, **Faculty Sponsor:** Dr. Michael LaMontagne

Title: The Antibiotics Properties of Honey.

Presenters: Samantha Kelling

Faculty Sponsor: Dr. Lory Z. Santiago-Vázquez

Title: Ligand-Centered Redox Activity in Ruthenium Complexes Under Ambient Conditions.

Presenters: Yogapriya Lokesh

Faculty Sponsor: Dr. Uttam Pokharel

Title: Electrochemical Behavior of α -Ferrocenyl Ketones in the Presence of Weak and Strong Acids.

Presenters: Declan Toala, Lily Siddon, Sujit Mondal

Faculty Sponsor: Dr. Uttam Pokharel

Title: Synthesis and Characterization of Novel N-N Bridged Ferrocenophanes for Anion Recognition.

Presenters: Hiram Flores, Shradha Pokharel

Faculty Sponsor: Dr. Uttam Pokharel

Title: Oxalate Formation via Dabco Oxidation Mediated by a Simple Copper(II)-Bipyridine Complex.

Presenters: Cristina Muko

Faculty Sponsor: Dr. Uttam Pokharel

Title: Photocatalytic Oxidation of Doxylamine Succinate Under Catalytic Conditions.

Presenters: Carina Perez

Faculty Sponsor: Dr. Yi Su

Title: Characterization of Allelic Variation in the ZIP Family Transporters from *Medicago truncatula*.

Presenters: Jenah LeBlanc, Renee Deng, Haley Heims, Kiley Johnson

Faculty Sponsor: Ms. Trish Trubl and Dr. Brian Stephens

Title: Synthesis and Characterization of Novel Cobalt-Based Metal-Organic Frameworks via Hydrothermal Methods.

Presenters: Shreyashkumar Vaghela

Faculty Sponsor: Dr. Jack Lu

Title: Multiplex PCR and MALDI-ToF Identification to Isolate STEC E. Coli.

Presenters: Madison Prince, Madellyn Joseph

Faculty Sponsors: Dr. Michael LaMontagne

Title: Resolution of MALDI-TOF MS and Whole Genome Sequencing for the Identification of *Vibrio Parahaemolyticus* Strains Isolated from Oysters.

Presenters: Tetyana King

Faculty Sponsors: Dr. Michael LaMontagne

Title: MSTbase: A Mass Spectra Database for Tracking the Source of *E. Coli* and *Enterococcus* Species.

Presenters: Yvonne Mendoza

Faculty Sponsor: Dr. Michael LaMontagne

Title: The Importance of Restoration of the Endangered Mountainous Star Coral .

Presenters: Julia Raspberry

Faculty Sponsor: Ms. Trish Trubl

Title: The Offensive Campaign of the Red Imported Fire Ants .

Presenters: Gray Dominguez

Faculty Sponsors: Ms. Trish Trubl

Title: Assessing the Effects of Climate Change on Rough Cactus Coral and Its Conservation.

Presenters: Derek Dabelgott

Faculty Sponsor: Ms. Trish Trubl

Title: A Multi-Step Approach to Cloning Laminin $\beta 1$: Overlap Extension PCR and Gateway Cloning.

Presenters: Twisha Chatterjee

Faculty Sponsor: Dr. Scott Buckel

Title: Ecology, Conservation, and Restoration of Staghorn Coral (*Acropora Cervicornis*) in the Atlantic Ocean.

Presenters: Adrianna West

Faculty Sponsor: Ms. Trish Trubl

Title: Strategy for Creation for the Expression of Laminin Heterotrimers.

Presenters: Twisha Chatterjee, Sarthak Chaudhary, Tanner Massengill, Travis Melton, Erick Pacheco

Faculty Sponsor: Dr. Scott Buckel

Title: Primer Selection and PCR Procedures for the Initial Stages of Laminin Cloning.

Presenters: Tanner Massengill, Travis Melton

Faculty Sponsor: Dr. Scott Buckel

Title: Molecular Cloning of Laminin Subunits $\gamma 2$ and $\beta 3$: A Step Toward Functional Expression.

Presenters: Erick Pacheco, Sarthak Chaudhary

Faculty Sponsor: Dr. Scott Buckel

Title: Comparative Analysis of Laminin Subunits in Tissue Derived Cell Extracts.

Presenters: Harvita Savaliya, Abigale Chavez

Faculty Sponsor: Dr. Scott Buckel

Title: Comparison of Blocking Agents for Western Blots of Laminin Subunits.

Presenters: David Tedross, Preet Patel

Faculty Sponsor: Dr. Scott Buckel

Title: Characterization of Laminin Subunit Composition in HEK293 and JAR Cell Lines by SDS-PAGE and Western Blot Analysis.

Presenters: Emily Pechota, Abigail Goudeau

Faculty Sponsor: Dr. Scott Buckel

Title: Characterization of Laminin Trimers in *Mus Musculus* Organ Tissues by SDS-PAGE and Western Blot Analysis.

Presenters: Emily Pechota, Abigail Goudeau

Faculty Sponsor: Dr. Scott Buckel

Title: A Comparative Study of Programming Languages for Voltage Control and Current Measurement in Microcontroller Applications.

Presenters: Abraham Javier Ortiz

Faculty Sponsor: Dr. Jugal Saharia

Title: Comparison of Chemically Defined and Complex Media to Cultivate Bacteria from Estuaries and Galveston Bay.

Presenters: Alexis Serrano

Faculty Sponsor: Dr. Michael laMongatne

Title: Enhanced Photoresponsivity in Gold Nanoparticle/2D Bi₂O₂Se Hybrid Material.

Presenters: Jittin Thomas, Whitney Jones, Mackenzie Songsart-Power, David Black, Amit Shringi, Fei Yan

Faculty Sponsor: Dr. Tej Limbu

Title: Chemical Vapor Deposition of 2D MoS₂ film.

Presenters: Miguel A. Montes,1 Jittin M. Thomas,1 Mackenzie Songsart-Power,1 Chetan Dhital

Faculty Sponsor: Dr. Tej Limbu

Title: Integrating Physical and Spectroscopic Characterization in Organic Chemistry II laboratory: A Project-Based Approach.

Presenters: Tien Pham, Sujit Mondal

Faculty Sponsor: Dr. Uttam Pokharel

Title: Characterizing (Per)chlorate Reducing Microbes in Martian Analog Samples from Pilot Valley, Utah.

Presenters: Devanshi Shah, Kennda Lynch

Faculty Sponsors: Dr. Michael LaMontagne, Dr. Lory Z. Santiago-Vázquez

Title: Soil Macroinvertebrate Community Diversity in Degraded and Restored Texas Coastal Prairies.

Presenters: Antonio Cannata

Faculty Sponsor: Dr. Cindy Howard and Dr. Scott Buckel

Title: Saving the Phantom: Conservation Strategies for an Endangered Spring Snail.

Presenters: Asma Udawala

Faculty Sponsor: Ms. Trish Trubl

Title: On the Effects of Micro-Bacterial Growth Using an Acoustic-Resonant Field.

Presenters: Denmore Williams

Faculty Sponsor: Dr. Derek Smith

Title: The Human-Induced and Natural Factors Accelerating the Decline of Mallard Populations.

Presenters: William Fisher Murray, Noemi Tellez, Jordyn Boutwell, Emily Hardee, Andrew Hodde

Faculty Sponsor: Dr. Cindy Howard

Title: Systematic Review and Meta-analysis of Changes in the Oral Microbiota Associated with Obstructive Sleep Apnea.

Presenters: Maryam Siddiqi, Jacquelin Gonzales, Nicole Monter, Daniela Flores, Viridiana Zapata

Faculty Sponsor: Dr. Michael laMongatne

Title: Vanishing Grasslands: Investigating the Decline of Attwater's Prairie Chicken in Texas.

Presenters: Maryam Siddiqi, Breana Trumbature, Richard "Trey" Lobrecht, Fatima Islam

Faculty Sponsor: Dr. Cindy Haward

Title: Augmented Reality for Astronomy Education.

Presenters: Robin Dixon, Vincent Vu, Caleb Ballard

Faculty Sponsor: Dr. Soma Datta

Title: Optimizing Metformin Degradation: Exploring UV/Sulfite and Other Advanced Methods.

Presenters: Akta Somabhai Patel

Faculty Sponsor: Dr. Yi Su

Title: Systematic Review and Meta-Analysis of the Efficiency of Probiotics on Alzheimer's.

Presenters: Yashoda Abeysingha, Abigail Cody, Shandra Anderson

Faculty Sponsor: Dr. Michael laMongatne

Saturday, April 19, 2025

College of Human Sciences and Humanities

Poster Session

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: Social Media Use and Psychological Well-Being Among College Students.

Presenters: Galilea Nunez, Darcee Shideler

Faculty Sponsor: Dr. Robert Bartsch

Title: The Need for Weight-Inclusive Care in Eating Disorder Treatments.

Presenters: Xena Wooley

Faculty Sponsor: Dr. Sofia Georgiadou

Title: The Benefits of Food-Related YouTube Videos.

Presenters: Joy Sexton

Faculty Sponsor: Dr. Anna Klyueva

Title: Different SUD Beliefs in College Students.

Presenters: Caitlyn Do

Faculty Sponsor: Dr. Christine Walther

Title: Intention-Behavior Gap in Sustainability: Is the Gap Warped by Self-Reported Data?

Presenters: Nhu Tran

Faculty Sponsor: Dr. Anna Klyueva

Title: "We Have Made Bolivia Here": Exploring Traditional Migrant Foodways in Houston, Texas.

Presenters: Tria Van Horn

Faculty Sponsor: Dr. Christine Kovic

Title: Exploring the Role of Algorithm Awareness in Social Media User Engagement.

Presenters: Liz Dominguez

Faculty Sponsor: Dr. Anna Klyueva

Title: Prospective Memory and Passive Social Media Use.

Presenters: Kate Padilla

Faculty Sponsor: Dr. Kelsey James

Title: The Role of Viewer Engagement in Determining Twitch Streamer Success.

Presenters: Jordy Reyes

Faculty Sponsor: Dr. Anna Klyueva

Title: Attitudes Toward AI.

Presenters: Ofelia Asemota

Faculty Sponsor: Dr. Anna Klyueva

Title: The Need for Weight-Inclusive Care in Eating Disorder Treatments.

Presenters: Xena Wooley

Faculty Sponsor: Dr. Sofia Georgiadou

Title: The Influence of Streaming Services on Traditional Television Consumption: A Shift in Viewer Preference and Industry Trends.

Presenters: John Stubblefield

Faculty Sponsor: Dr. Anna Klyueva

Title: The Effectiveness of Skippable Advertisements on YouTube: A Study of Advertisement Engagement/Disengagement.

Presenters: Elizabeth Moody

Faculty Sponsor: Dr. Anna Klyueva

Title: The Decline of Literary Fiction in the Digital Age.

Presenters: Austin George

Faculty Sponsor: Dr. Anna Klyueva

Title: The Impact of Social Networking on Face-to-Face Interactions.

Presenter: Shengyuan Xi

Faculty Sponsor: Dr. Anna Klyueva

Title: Prison Systems from around the world.

Presenter: Stephan T Chapa

Faculty Sponsor: Dr. Kimberly Dodson

Title: Investigating How College Students Balance Academic Responsibilities and Family Obligations.

Presenter: Chidimma Ibekwe

Faculty Sponsor: Dr. Robert Bartsch

Saturday, April 19, 2025

College of Education

Poster Session

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: School Librarians' Preparedness and Perceptions: Impact on Makerspace Implementation in PK-12 Schools.

Presenters: Lupe Palacios

Faculty Sponsor: Dr. Michelle Peters

Title: Computational Thinking: Examining Early Childhood Education Teachers' Knowledge and Understanding.

Presenters: Remi Willoughby

Faculty Sponsor: Dr. Preeti Jain

Saturday, April 19, 2025

College of Business

Poster Sessions

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: Organizational Politics: The Good, The Bad, and The Ugly.

Presenters: Alivia Sparschu

Faculty Sponsor: Dr. Silvana Chambers

Title: Leading Across Generations: Understanding Workplace Leadership Preferences.

Presenters: Sri Harsha Katakam

Faculty Sponsor: Dr. Silvana Chambers

Title: Workplace Wellness Programs: A Literature Review.

Presenters: Yogeshwar Nanapu

Faculty Sponsor: Dr. Silvana Chambers

Saturday, April 19, 2025

University of Houston-Downtown

Poster Sessions

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: Mathematical Analysis for Double Pendulum System.

Presenters: Maggie Ha

Faculty Sponsor: Dr. Jeong-Mi Yoon

Title: Taking Advantage of Advanced Placement (AP) Statistics For College Admission: A Study of High School Students in the Houston Area.

Presenters: Thomas Duong

Faculty Sponsor: Dr. Timothy A. Redl

Title: Markov Chain Model in Ecological COVID-19 Infection Analysis.

Presenters: Thomas Duong

Faculty Sponsor: Dr. Jeong-Mi Yoon

Saturday, April 19, 2025

Clear Lake High School

Poster Sessions

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 a.m.

Title: Investigating the Portrayals of an Indian National Identity in Hindi-Language Military Films Released from 2000 to 2024.

Presenters: Riya Dabi

Faculty Sponsor: Ms. Erica Smith

Title: The Role Of Brand Representative Marketing in Shaping Preference Among Energy Drink Companies.

Presenters: Ella Raska

Faculty Sponsor: Ms. Erica Smith

Title: Physician Professionalism in NBC Medical Dramas.

Presenters: Raneem Ghadai

Faculty Sponsor: Ms. Erica Smith

Title: Analyzing the Medical Accuracy of Portrayals of Schizophrenia in Horror Movies from 1980-1989 Compared to Those from 2010-2019.

Presenters: Lauren Lowe

Faculty Sponsor: Ms. Erica Smith

Monday, April 21st through Saturday, April 27th, 2025

College of Human Sciences and Humanities

All Week. Art Exhibit, Bayou
Faculty Chair: Dr. Lauren Kussro

Title: Art exhibits by students in the BFA Exhibition.

Student Participant:

Anderson, Paige	Matney, Lauren
Benchellal, Dolores	McNairy, Walter
Beraza, Diana	Messina, Tiffany
Cisneros, Daniel	Morris, Michael
Clark, Larissa	Ortega, Esme
Cohen-Blake, Joy	Padron, Ricky
Cook, Nickie	Pham, Brianna
Cornejo, Jason	Pimentel, Ruby
Craddock, Eleni	Rodriguez, Dani
Dumas, Zach	Salazar Sanchez, Jori
Dutton, Kim	Smith-Heffel, Paula
Elliff, Olivia	Taylor, Beverly
Escobar, Emily	Taylor, Lyndsey
Farrar, Amber	Torres, Alyssia
Flores, Angel	Tran-Nguyen, Leo
Franzen, Kim	Velez, Diamonndlee
Harris, Kyle	West, Jacob
Hayes, Destiny	Whitmore, Ann
Hernandez, Nazareth	Zamora, Fernanda
Maldonado, Stephanie	Zuniga, Kassandra
Martinez, Citlaly	

Monday, April 21, 2025

College of Science and Engineering

Mechanical Engineering Design Challenge

10:00 a.m. – 11:20 a.m. STEM 2103

Faculty Chair: Dr. Jeff Mountain

Title: Design of a Renewable Energy Powered Portable Refrigeration Unit.

Presenter: Cyrus Bajwa, Magaly Chavarria, Dawson Gonzalez, Sergio Lara, Vivian Luu, Christopher Martinez and Paulo Servin

Faculty Sponsor: Dr. Jeff Mountain

Title: The BravoDome: Design of a Collapsible Portable Conditioned Shelter.

Presenter: Kevin Kershner, Jose Ramirez, Kyle Anderson, John Aumiller III, Christian Gonzalez, Zachary Harold, Julien Hebert, Cal Harper

Faculty Sponsor: Dr. Youssef Hamidi

Title: Damage Detection System Commercialization.

Presenter: Andrew Tomlinson, Daniel Zakrzewski, Brian Sharpe, Frank Blanchard, Cole Curtis, Bryan Quezada, Alejandro Rodriguez, Marco Cortes

Faculty Sponsor: Dr. Youssef Hamidi

Monday, April 21, 2025

College of Human Sciences and Humanities

1 p.m. - 1:40 p.m. Bayou 1439

Faculty Chair: Dr. Philip Kelleher

Title: Women's Rights and Representation in Saman Oskoue and Sasan Oskouei's Houston Mural.

Presenter: Sydney Sims

Title: Everett Patterson and Finding Divinity in the Marginalized and Mundane.

Presenter: Clara Ferrell

Monday, April 21, 2025

College of Human Sciences and Humanities

Critical Interdisciplinary Studies Research Laboratory

1 p.m. - 2 p.m. Bayou Forest Room

Faculty Chair: Dr. Giazú Enciso Domínguez

Title: From Struggle to Strength: A Strengths-Based Perspective on Multiracial Identity.

Presenter: Jacey Keys

Title: Re-Conceptualizing Autism: Cross-Cultural Analysis of Autistic Adult Women and Social Communication.

Presenter: Madison Hardin

Monday, April 21, 2025

College of Human Sciences and Humanities

Contemporary Topics on Social Psychology

2 p.m. - 4 p.m. Bayou Forest Room

Faculty Chair: Dr. Giazú Enciso Domínguez

Title: The Impact of Social Media on Eating Disorders from a Social Psychology Perspective.

Presenter: Xiomara Baez

Title: The Police Need Policing: A Literature on the Topic of Police Brutality in the United States against Black Citizens.

Presenter: Sherri Diane Castille

Title: The Impact of Movement: Mental Health in Young Women.

Presenter: Camden Kay Chance

Title: The Role of Societal Norms in Shaping Eating Disorders Among Girls.

Presenter: Alana Katherine Dill

Title: Seduced By Shadows: The Role of Morbid Curiosity in Our Fascination With The Macabre.

Presenter: Journey Ta Neille Flores

Title: Factors Influencing the Bilingual World: Language as a Channel for Cultural Identity.

Presenter: James Dale Hicks

Title: Boy Scouts of America and Social Benefits.

Presenter: Arthur Wallace Klein

Title: Music and Impacts on Behavior.

Presenter: Victoria Miquege Mitchell

Title: The Role of Literature on Individuals and Society.

Presenter: Ellise Moorhead

Title: Through the Eye of the Children.

Presenter: Alexis Perez

Title: Cohabitation Before Marriage: Impact on Relationship Stability and Contentment.

Presenter: Lauren Rae Rios

Title: Child Sexual Abuse and Religion(s).

Presenter: Karina Sanchez

Title: Digital Echoes: The Role of Social Media in Shaping Rape Culture.

Presenter: Kaylin M Scott

Title: Descriptive Norms vs. Self-Categorization: Which Drives Conformity More?

Presenter: Gavyn Seth Thompson

Title: Beyond Symptoms: Connecting Asthma in Children to Mental Health.

Presenter: Jeneby L Varela

Title: Prisoner in the Land of the Free.

Presenter: Bri Denise Webster

Title: Social Media and Eating Disorders: Bulimia.

Presenter: Jana Ramsey White

Title: Stress and Social Relationship Quality Across Adulthood.

Presenter: Anastasia Williams

Title: The Effects of Domestic Violence on Women in the United States.

Presenter: Gracelyn Faith Willis

Monday, April 21, 2025

College of Human Sciences and Humanities

**Video Game Demos and Game Pitches
for the Serious Games and Simulations Program**

4 p.m. - 6:50 p.m. SSCB 2201.01

Faculty Chair: Dr. Steven Sutherland

Title: Warhead Retribution.

Presenter: William Chow, Sherman Easley-Robb, and Ismael Siddiqi

Title: Project Dark Fall.

Presenter: Husna Huque, Briyanna Jenkins, and Brandon Ruiz

Title: Post Mortembilia.

Presenter: Alexis Lapointe, Bobby Valdez, and Kyle Wham

Monday, April 21, 2025

College of Science and Engineering

Current Issues in Galveston Bay Ecology

7 p.m. - 9:50 p.m. Bayou 1133

Faculty Chair: Dr. Cindy Howard

Title: Small-Scale Living Shorelines: Combating Coastal Erosion and Subsidence Naturally.

Presenter: Drew Eisenbach, Melissa Benningfield

Title: Assessing the Impact of Decreased Freshwater Inflow on the Health and Productivity of Galveston Bay's Estuarine Ecosystems.

Presenter: Antonio Cannata

Title: Nutrient Inputs in Galveston Bay: Past, Present and Future Impacts.

Presenter: Sila Sarosh

Title: Loss of Critical Habitat in Galveston Bay: An Overview.

Presenter: Lorelei Miller

Title: Shrimp Overfishing in Galveston Bay: Threats to Biodiversity and Habitat.

Presenter: Taylor Eubank-Witt

Title: Impacts of Over-Crabbing in Galveston Bay.

Presenter: Gabrielle Hammerbach

Title: Invasive Species in Galveston Bay.

Presenter: Harmonie Johnson, Chase Evans

Title: The Horrors of the Dead Zone.

Presenter: Karla Marie Gonzalez, Jasmine Thompson

Title: Rollover Pass.

Presenter: Gus Beach

Title: Coastal Spine (Ike Dike).

Presenter: Jayce Heinemann

Title: Potential Environmental Impacts of the Ike Dike and Natural Alternatives.

Presenter: Lydia Thurman

Monday, April 21, 2025

College of Human Sciences and Humanities

Contemporary Topics on Social Psychology

7 p.m. Pearland 113

Faculty Chair: Dr. Lisa Sublett

Title: Gender Bias in Leadership Style: Exploring Perceptions and Assumptions.

Presenter: Abha Karira, Cale Fellenstein, Hilary Kahsai

Title: Examining the Impact of Job Satisfaction (Overall and Individual Facets) on Subjective Health and Well-Being in Blue-, White-, and Pink-Collar Workers.

Presenter: Alex Vo, Brianna Mikel, Favour Unegbu, Kevin Ngo

Title: AI and Training: Does Learning How AI Works Increase Efficiency and Lead to Better Implementation?

Presenter: Emilee Whitted, Johnny Nguyen, Trevor Cox, Keerthi Sundaram

Title: Beyond the 40-Hour Workweek: Examining the Influence of Workweek Structure on Employee Well-Being.

Presenter: Michelle Hollingsworth, Kailee Bruecher, Chloe Reyna, Hanna Dion, Michelle Siddiqui

Title: Influence of Supervisor Behaviors on Employees Psychological Safety: Evaluations, Mentorship, Favoritism and Authenticity.

Presenter: Nataly Mendez, Mauricio Yanez, Anna Hrachovy, Ty Hearne

Title: The Influence of Remote, Onsite, and Hybrid Work on Work-Life Balance: With a Focus on Female and Male Differences.

Presenter: Rozmin Bhagat, Lyric Eaves, Sumayya Alzughaier

Monday, April 21, 2025

College of Science and Engineering

Safety Engineering Session

7 p.m.

Online Session ([Zoom Link](#))

Faculty Chair: Dr. Magdy Akladios

Title: Assessing the Effectiveness of Safety Interventions.

Presenter: Cristian Trejo

Title: Evaluating Effectiveness of Selection Tool for Common Protective Glove Materials by Commercial Products and Complex Mixtures.

Presenter: Skylar Murphy

Title: The Use of Thermography as a Non-destructive Testing Approach in Assessing High Temperature Degradation Effects on Meta- and Para-aramid Synthetic Fire Resistant Fabric Comprising the Outer Layer of Firefighter Clothing.

Presenter: Gordon Magenheim

Title: Evaluating the Response Times for Hydrogen Sulfide Monitors.

Presenter: Erin Payne

Tuesday, April 22, 2025

College of Science and Engineering

Mechanical Engineering Design Challenge

9:00 a.m. – 11:00 a.m. STEM 1115

Faculty Chair: Dr. Kazi Billah

Title: Design and Manufacturing of Chopsticks.

Presenter: Karim Khalil, Ethan Johnston, Julien Hebert, Viet Nguyen

Title: Design and Manufacturing of Lunar Lander Legs.

Presenter: Isaac Beeman, Cameron Fasbender, Brian Sharpe, Daniel Zakrzewski

Title: Design and Manufacturing of the Claw.

Presenter: Areeb Ahmad, Avery Barrera, Allan Collins, Calvin Rampy

Title: Design and Manufacturing of Conceptual Chopsticks for Freefall Object Capture.

Presenter: Michael Cortez, Dawson Gonzalez, Kevin Kershner, Eric Leon

Title: Design and Manufacturing of Hydro-Grab.

Presenter: Victoria Gorby, Adam Grimm, Mozes Dicks, Christopher Martinez

Tuesday, April 22, 2025

College of Human Sciences and Humanities

**The Big Reveal
of the 2025 Common Reader Selection**

1:00 p.m. – 2:30 p.m. STEM 2101

Faculty Chairs: Dr. Anne Gessler – Dr. Wanalee O. Romero

About the Common Reader Program

UHCL's Common Reader Program is an extension of the First-Year Seminar Program. The program, which began in Fall 2014, aims to foster critical thinking and discussion around voice, civic engagement, and citizenship. A committee of students, staff, and faculty from all four colleges select the text that is studied throughout the academic year and plan events inspired by it.

UHCL Common Reader Program Learning Objectives

- To strengthen the academic community and creating opportunities for intellectual engagement and critical thinking;
- To encourage depth in learning through carefully selected common readings that pose multiple or differing perspectives and questions;
- To establish a stimulating environment that is both informal and structured, setting a tone for engagement among our faculty, staff, students, and community

This year's "Big Reveal" event will feature students presenting research on the topics central to this year's common reader book, ***Take My Hand.***

The students who will present at the Common Reader event on April 22 from 1-2:30 are:

- Christa Mayfield
- Ernesto Lopez
- Ella Redmond
- Emma Napoli
- Amy Gamboa Díaz

Next year's book will also be announced during the "Big Reveal" event.

Tuesday, April 22, 2025

College of Human Sciences and Humanities

Current Research in Applied Behavior Analysis

4:00 p.m. – 7:00 p.m. Bayou 1333

Faculty Chair: Dr. Dorothea Lerman

Title: Direct Assessment of Vocational Social Skills and Job Preferences.

Presenter: Christal John

Faculty Sponsor: Dr. Dorothea Lerman

Title: Effectiveness of Virtual versus In-Person Training For Caregivers.

Presenter: Ashten Higginbotham, Samantha Cordova

Faculty Sponsor: Dr. Dorothea Lerman

Title: Training Dental Professionals to Increase Cooperative Behavior in Patients with Neurodevelopmental Disabilities.

Presenter: Taylor Burnett, Hildah Nkonde

Faculty Sponsor: Dr. Dorothea Lerman

Title: Using A Self-Instructional E-Learning Package to Teach Professionals in Nigeria to Conduct Pairwise Functional Analyses.

Presenter: Mojolaoluwa Bamise, Loukia Tsami

Faculty Sponsor: Dr. Dorothea Lerman

Title: Teaching Children With Autism To Answer Yes/No Intraverbal Questions.

Presenter: Kelcy R. Coleman, Elisabeth M. Maciel

Faculty Sponsor: Dr. Sarah A. Lechago

Title: The Assessment and Intervention of Coworker Interactions in the Workplace among Neurodiverse Individuals .

Presenter: Juliana Escobedo, Mariana Lopez

Faculty Sponsor: Dr. Dorothea Lerman

Title: Using Group Behavioral Skills Training to Teach Caregivers and Other Professionals to Respond Safely to Aggression.

Presenter: Yashira Reyes-Rodriguez, Kerri Kroen

Faculty Sponsor: Dr. Jennifer N. Fritz

Title: Reducing Sibling Directed Aggression by Individuals on the Autism Spectrum and Increasing Cooperative Play Using Behavioral Skills Training for Caregivers and Siblings.

Presenter: Shelby R. Desaulos, Velisha L. Patel

Faculty Sponsor: Dr. Jennifer N. Fritz

Title: Using Behavioral Skills Training to Teach Tacting of Own Emotions and to Increase Collaborative and Compassionate Clinical Service Provision.

Presenter: Madison L. Hamby, Joonho Lee, & Fernanda Oda

Faculty Sponsor: Dr. Sarah A. Lechago

Title: Curriculum-Based Assessment in Applied Behavior Analysis: A Comprehensive Review of Research on Evidence-Based Practices.

Presenter: Alexis N. Cano

Faculty Sponsor: Dr. Dorothea Lerman

Title: Teaching Mands for Information Persistence to Children with Autism.

Presenter: Morgan J. McCarville, Emma Felty, Matthew von Holst, Audrey Wilbanks

Faculty Sponsor: Dr. Sarah A. Lechago

Tuesday, April 22, 2025

College of Human Sciences and Humanities

Intersectional Topics on Sex/Gender and Race

4 p.m. Bayou Forest Room

Faculty Chair: Dr. Giazú Enciso Domínguez

Title: The Struggles of Hispanic Undocumented Immigrants.

Presenter: Cristina Isabel Barraza Garcia

Title: Trapped by Borders and Fear: Domestic Abuse Among Immigrant Women.

Presenter: Iqra Dawood

Title: Invisibility and Hypervisibility of Native Hawaiians Living in the Mainland U.S.

Presenter: Nicholas Wikoli-Scott Eisen

Title: The Impact of Social Media on Mental Health: Examining Challenges and Concerns Among Adolescents.

Presenter: Gloria Franklin

Title: Special Education in High-Income vs. Low-Income Schools.

Presenter: Vanessa Leigh Guzman

Title: Reframing Gender Affirming Healthcare Beyond the Transgender Community: Critical Analysis of Medical Interventions between Cis-Gender and Gender Diverse Identities Through an Intersectionality Framework.

Presenter: Maddy Leigh Hardin

Title: The Family Issues Experienced by Hispanic LGBTQ+.

Presenter: Yashmine Hinojos Hernandez

Title: Navigating Postpartum Depression: Barriers and Support for Marginalized Mothers.

Presenter: Chidimma Blessing Ibekwe

Title: The Intersectionality of Unhoused Individuals with Developmental Disabilities.

Presenter: Annie Robin Lynn Jones

Title: The Politicization of African American Women's Hair.

Presenter: Paris Jayde Jorden

Title: Speaking for Them: The Struggles of Autism and Poverty.

Presenter: Ana Gabriela Mena

Title: Older Women as Students in Higher Education.

Presenter: Olya Perevalova

Title: The Family Issues Experienced by Hispanic LGBTQ+.

Presenter: Anjana Poothrikunnath Ravichandran

Title: Men's Mental Struggles: An Intersectional Perspective on Men's Mental Health Fight.

Presenter: Giuseppe P. Rossi

Title: Overlooked Struggles: Male DACA Recipients and Mental Health.

Presenter: Carolina Lizeth Solis

Title: How the United States Fails to Properly Rehabilitate Inmates into Society.

Presenter: Justin Whaley

Title: Barriers to Employment and Socio-Economic Impacts for Individuals Diagnosed with ASD
Through an Intersectional Framework.

Presenter: Audrey Wilbanks

Title: An Intersectional Analysis of Affection Deprivation in Post-COVID-19 Millennial America.

Presenter: Meme Wilson

Title: The Architecture of Pain: Intersectionality and the Endurance of Historical Trauma.

Presenter: Sami Lin Yu

Title: Eliminating DEI in Education: Who is Impacted?

Presenter: Linda R Zuniga

Tuesday, April 22, 2025

College of Education

4:30 p.m. Bayou 1135

Faculty Chair: Dr. Omah M. Williams-Duncan

Title: Examining the Impact of CUBES on Readers

Presenter: Inshirah Barakat-Romman

Title: Action Research to Improve Student Punctuation within Sentences

Presenter: Mary Cheslock

Title: Determining Effective Engagement Strategies that Increase Student Interactions with Literacy

Presenter: Brianda Garcia Sanchez

Title: How are Title 1 classrooms in Spring Branch ISD affected by the continued reduction of funds and resources?

Presenter: Abigail Johnson

Title: Elevating Achievement: An Action Research Synthesis of Homework, Teacher Involvement, and Student - Teacher Interactions

Presenter: Mehak Panjwani

Title: Action Research to Improve Student Engagement with Writing.

Presenter: Klarissa Trevino

Tuesday, April 22, 2025

College of Education

5:00 p.m. Arbor 1310.06

Faculty Chair: Dr. Neelofer Tajani

Title: Amazing Rocks.

Presenter: Judith Ewuzie, Mai Thanh Nguyen

Title: Chomp, Chomp! Let's Learn About Alligators.

Presenter: Nikole Keeling

Title: Soggy Soil.

Presenter: Abigail Ramirez

Title: The Soil Project.

Presenter: Neiha Nathani, Shazia Afrin

Title: Cats.

Presenter: Tonya Dean

Tuesday, April 22, 2025

College of Human Sciences and Humanities

7 p.m. - 8 p.m. Bayou 2524

Faculty Chair: Dr. Philip Kelleher

Title: Barbara Kruger: Feminist Graphics.

Presenter: Leah Hunt

Title: Zines and DIY Cultural Activism.

Presenter: Brandie Barriga

Title: David Lynch's Politics: A Dive into Everyday Evils in America.

Presenter: Mia González

Tuesday, April 22, 2025

College of Education

7:00 p.m. Arbor 1310.02

Faculty Chair: Dr. Neelofer Tajani

Title: Survival of Arctic Fox.

Presenters: Karla McLemore, Erandi Hernandez, Jamie Larson

Title: Jelly Fish.

Presenters: Hannah Day, Emily Perez

Title: Life Cycle of Butterflies.

Presenter: Emma Coppedge

Title: The Poking Plant Project.

Presenter: Gabriela Renee Ruiz

Title: The Rock Wonderers.

Presenter: Karen Arguello

Title: Plants Project.

Presenter: Erin Olson

Title: It's Alive.

Presenter: Michelle Gonzalez-Matamoros

Wednesday, April 23, 2025

College of Human Sciences and Humanities

***Psychological Thinking:
Examining Media Claims about Psychological Research***

9:00 a.m. – 11:50 a.m. Bayou 1313

Faculty Chair: Dr. Robert Bartsch

Title: Colors Play a Huge Role in How We Perceive or React to Things.

Presenter: Alex Cottrel

Title: Can Having a Sister Boost Mental Health And Self-Esteem?

Presenter: Anna Abrego

Title: Loneliness and Unhappiness Age Us Faster Than Smoking.

Presenter: Ashley Roman

Title: Artificial Food Dyes Worsen Behavior Problems in Children.

Presenter: Emily Lara & Morgan McQueen

Title: People with Untreated PTSD Have a Higher Risk of Developing Long-Term Problems.

Presenter: Gisell Morales

Title: Do Children Exposed to Higher Fluoride Levels Have Lower IQs?

Presenter: Jada Dietrich

Title: In a Life-or-Death Situation, the Probability of Receiving Help Decreases as the Number Of Bystanders Increases.

Presenter: Katerin Rodriguez

Title: Parenting Does Not Matter.

Presenter: Kayla Flores

Title: Lack of Sleep Can Hurt Memory and Decision-Making Skills.

Presenter: Kaylee Higgs

Title: Your Personality Can Protect or Age Your Brain.

Presenter: Kinley Nava & Robert Culley

Title: Childhood Sleep Issues Raise Suicide Risk.

Presenter: Klerin Jomon & Crystal Stranes

Title: LGBTQ+ Adults Have a Higher Risk of Poor Brain Health Due to Minority Stress.

Presenter: Leonardo Salas

Title: As Many as 50% of Adults with Undiagnosed ADHD Will Develop a Substance Abuse Issue.

Presenter: Alliyah Daniels & McKenna Mathison

Title: ADHD Linked to Shortened Life Expectancy.

Presenter: Nia Avalos

Title: Group Conformity Increases with Group Size.

Presenter: Osmond Lee

Title: Social Media Has the Power to Undermine the Very Foundations of Our Relationships.

Presenter: Summer Maurer

Title: 1 of 4 adults Stay Single for Life.

Presenter: Tommy Nutt

Title: Not all Psychopaths are Serial Killers, and Not All Serial Killers Are Psychopaths.

Presenter: Valeria Arreola

Title: Psychedelics-Like Psilocybin and MDMA Tied to Higher Odds for Schizophrenia.

Presenter: Victoria Ramirez

Title: Spending Time with Dogs Boosts Energy and Improves Mental Health.

Presenter: William Hatfield

Title: Caffeine Can Improve Mental and Physical Performance.

Presenter: Yair Garcia

Wednesday, April 23, 2025

College of Human Sciences and Humanities

Public Sociology Session

9:30 a.m. – 11:30 a.m. Bayou 1218

Faculty Chair: Dr. Amy Lucas

Title: Social Media Strategy.

Presenter: Antonio Celio-Guevara, Ethan Durrant, Mimansa Shukla, and Lakey Thibodeaux

Title: Donor and Volunteer Survey.

Presenter: Julia Farmer, Keith Harris, D Lizjalet Rodriguez, and Sydney Sims

Title: Board of Directors Survey.

Presenter: Shravya Bhatt, Jennifer Craft, DiMesha Jones, Brittany Roush, and Daniela Valenzuela

Wednesday, April 23, 2025

College of Science and Engineering

Mechanical Engineering Design Challenge

10:00 a.m. – 11:20 a.m. STEM 2103

Faculty Chair: Dr. Jeff Mountain

Title: Design of a Thermal-Powered BBQ Rotisserie.

Presenter: Areeb Ahmad, Ethan E. Johnston, Eric A. Leon Maldonado, David G. Sanmiguel,
Hunter A. Diaz, Bryan Leon Estrada, Serenity Reeves, Avery D. Wise

Faculty Sponsor: Dr. Youssef Hamidi

Title: Design for a Fluidic Oscillator for Flow Control.

Presenter: Kelvin Bonilla, Kimberly Morales, Allison Oladovich, Calvin Rampy, Cameron Fasbender,
Erik Molina, Allan Collins, Ethan Joseph

Faculty Sponsor: Dr. Youssef Hamidi

Title: Conceptual Design of an Automated Paper Airplane Folding and Launching Machine.

Presenter: Jerold Begay, Adam Grimm, Joseline Hurtado, Mario Rodriguez, Israel Sosa, Garret Stevens
and Brant Taylor

Faculty Sponsor: Dr. Jeff Mountain

Title: Echo Dinghy – Design of a Solar-Powered Nearshore Boat.

Presenter: Syllas Anderson, Isaac Beeman, Brayan Diaz, Karim Khalil, Viet Nguyen, Erick Reyes,
Christopher Somera, Christian Vazquez

Faculty Sponsor: Dr. Youssef Hamidi

Wednesday, April 23, 2025

College of Science and Engineering

Session: Why & How are Decisions Made Based on Data

1:00 p.m. – 3:50 p.m.

Online Session ([Zoom Link](#))

Faculty Chair: Dr. Soma Datta

Title: Health Data Analysis: Impact of Lifestyle on Disease.

Presenter: Mary Benjamin, Almin Karowadia, Sarita Sapkota Subedi

Title: How Many Starbucks Lattes Can an Average Person Afford Monthly in Each Country?

Presenter: Caleb Ballard, Warren Buckland, Stephen Michael

Title: Which neighborhood and property features most strongly influence house prices?

Presenter: Brian Gomez, Aziz Omar, Eli Taylor

Title: What Role Do User Demographic Factors Play in Improving Personalized Movie Recommendations?

Presenter: Sri Karan Kosaraju, Zeel Patel, Hruthik Gonuguntla

Wednesday, April 23, 2025

College of Science and Engineering

1:00 p.m. - 2:00 p.m. STEM2113

Faculty Chair: Dr. Sachiyo Mukherji

Title: Composting and the Biodegradability of Polylactic Acid-based Plastics.

Presenter: Kamryn Ortiz, Carlos Martinez, and Celene Velasquez

Title: Integrating Home Compost to Reduce Landfill Emissions.

Presenter: Cecilia Cardenas, Alyssa Donnelly, Lane Evans, Dallas Ukani

Wednesday, April 23, 2025

College of Business

Mock Trial - Plenary Session

4:00 p.m. – 7:00 p.m. Bayou 1324

Faculty Chair: Dr. Winifred Weber

Title: Mock Trial: The State of Texas vs. Jordan Dow

Presenters:

- Abilene Garcia
 - Anissa Acevedo
 - Pedro Garcia-Calero
 - Alana Hall
 - Donna Parga
 - Nicole Risner
 - Stephany Sagastume
-

Wednesday, April 23, 2025

College of Business

UHCL Marketing Pitch

4:00 p.m. – 6:00 p.m. Bayou 3326

Faculty Chair: Ms. Lynn Place

Guest Judges:

- Dr. Troy Voelker, College of Business
- Daniel Ramirez, UHCL Marketing and Communications
- Dr. Ann Theodori, Strategic Enrollment Management
- Aubrie Grass, Instructional Design
- Brandon Byrd, Admissions

Title: Lemonade Mouth Agency's Pitch for Transfer Students to Attend UHCL

Presenter: Brianah Harkins, Lisa Alvarado, Hussam Awadallah, Natalie Nguyen, Tressa Rodriguez

Title: Transfer Trailblazers's Pitch for Transfer Students to Attend UHCL

Presenter: Isabel Meza, Marco Cruz, Savannah Canales, Travis Pulkinen

Title: Fresh 5's Pitch for Graduating High Schoolers to Attend UHCL

Presenter: Davis Lee, Megan Horton-Comer, Emerson Carlson, Rachel Martinez, Alanis Rodriguez

Title: Mean Green's Pitch for Transfer Students to Attend UHCL

Presenter: Landrei Stafford, Carson Davis, Devin Almanza

Title: The Oranges's Pitch for Adults Returning to School to Attend UHCL

Presenter: Gabriela Rocha, Diego Munoz, Kaylee Humphries, Reese Haines

Wednesday, April 23, 2025

College of Education

7:00 p.m. Bayou 1104

Faculty Chair: Dr. Omah M. Williams-Duncan

Title: English Learners in STEM Subjects: Transforming Classroom, Schools, and Lives

Presenter: Steven Ahamah

Title: Culturally Relevant STEM Education for All: Why and How

Presenter: Maisa Meziou

Title: Small Moves, Big Impact: Transforming Online Teaching with Evidence-Based Practices

Presenter: Mindy Murray

Title: Science Education Through Multiple Literacies

Presenter: Tracie Nair

Title: Re-making the Library Makerspace

Presenter: Theresa Rodriguez

Thursday, April 24, 2025

College of Human Sciences and Humanities

Advanced Nonexperimental Methods & Statistics Session

8:30 a.m. – 11:20 a.m. Bayou 3606

Faculty Chair: Dr. Robert Bartsch

Title: Online vs. Face-to-Face Learning: Student-Instructor Interaction and Self-Discipline.

Presenter: Cristina Barraza & Lauren Dinh

Title: The Perception of Romantic Relationship Satisfaction From the Frequency of Social Media Posting.

Presenter: Lauren Bilnoski

Title: Relation between Physical Exercise and Mood.

Presenter: Angel Contreras

Title: Relationship between Type of Insurance and Recovery Pathway.

Presenter: Paul Galbraith

Title: Exploring the Link Between Information Overload and Anxiety: A Correlational Study.

Presenter: Rosario Mba Nsang

Title: Sleep Quality and Screen Time Association Among Undergraduate Students.

Presenter: Sierra Morales

Title: College Students' Technology Proficiency, AI Experience, and Willingness to Utilize AI-Based Mental Health Chatbots.

Presenter: Tri Nguyen

Title: AI Technology in Higher Education: The Relationship Between Student Culture and Generative AI Acceptance.

Presenter: Kamilla Orent

Title: Do college students who Report Procrastinating in Academics also Report Procrastinating in Exercise and Bedtime?

Presenter: Josseline Dariela Ortega Mejia

Title: The Correlation Between Physical Activity and Academic Stress: The Role of Attitudes.

Presenter: Reagan Polley

Title: Students' Textbook Use and Perceived Performance: A Study on Academic Engagement.

Presenter: Caleb Decker & Zayra Rodriguez

Title: Barriers to Employment Opportunities Among University Students.

Presenter: Abdurruf Said & Shad Tarhoni

Title: Isolation And Financial Stress.

Presenter: Brian Vences Perez

Title: Commute Time, Well-Being, and Extracurricular Involvement.

Presenter: Olivia Williams

Title: Social Media and Cognitive Focus: Investigating the Relationship Between Usage and Attention Span.

Presenter: Jacey Wingfield

Title: So What About Sports? Spectatorship & Perceived Mental Health.

Presenter: Giuseppe Rossi

Thursday, April 24, 2025

College of Science and Engineering

9:00 a.m. – 10:00 a.m. Delta 237

**Online Option Available
([Zoom Link](#))**

Meeting ID: 956 8558 6924

Passcode: 371402

Faculty Chair: Dr. Unal 'Zak' Sakoglu

Title: Detection of Leprosy Wound Locations from Digital Images

Presenter: Bhavana Anamdasu, Srikanth Bhimineni, Pravalika Sura

Title: Non-Uniformity Correction of Images Using Hexagonal Sampling.

Presenter: Trevor Saturnino, Eduardo Minjares

Title: American Sign Language Translator Using Automated Image Processing and Classification.

Presenter: Dania Mosuli, Stephanie Bonilla, Jose Reyes

Title: Automated Wildfire Detection from Radiometric Thermal UAV Imagery.

Presenter: Fernando Hermosillo Leon, Javier Rivera, Brandon Rodriguez

Thursday, April 24, 2025

College of Science and Engineering

Mechanical Engineering Design Challenge

9:00 a.m. – 11:00 a.m. STEM 1115

Faculty Chair: Dr. Kazi Billah

Title: Design and Manufacturing of Lunar Lander.

Presenter: Kyle Anderson, Frank Blanchard, Baldemar Garcia, Alejandro Rodriguez, Paulo Servin

Title: Design and Manufacturing of Lunar Rover Legs.

Presenter: Erik Molina, Brayan Diaz, Bryan Quezada, Cole Curtis

Title: Design and Manufacturing of the Lunar Lander Legs.

Presenter: Erick Reyes, Joseph Gibson, Cal Harper, Christopher Somera, Avery Wise

Title: Design and Manufacturing of the Lunar Lander Legs.

Presenter: John Aumiller III, Bryan Leon, Marco Perez, Josue Rosas, & David Sanmiguel

Thursday, April 24, 2025
College of Human Sciences and Humanities

**Symposium on the Biological Basis of Behavior:
Neuroscience Myths & Misconceptions**

4:00 p.m. – 6:00 p.m. Bayou 1217

Faculty Chair: Dr. Georgina Moreno

Title: Neuroscience Myths & Misconceptions: The Mozart Effect.

Presenter: Adaeze Alozie

Title: Neuroscience Myths & Misconceptions: Do we all have specific learning styles?.

Presenter: Ameera Baksh

Title: Neuroscience Myths & Misconceptions: Alcohol Kills Brain Cells.

Presenter: Cristina Barraza Garcia

Title: Neuroscience Myths & Misconceptions: Violent Video Games Cause Violent Behavior.

Presenter: Hannah Chandy

Title: Neuroscience Myths & Misconceptions: the Brain Works Better Under Pressure.

Presenter: Lauren Dinh

Title: Neuroscience Myths & Misconceptions: Does Pregnancy Cause Permanent Brain Damage?

Presenter: Manuela Santos

Title: Neuroscience Myths & Misconceptions: Brain Capacity and Learning Ability Determined by Genetics.

Presenter: Chidimma Ibekwe

Title: Neuroscience Myths & Misconceptions: GPS Makes You Less Smart.

Presenter: Alejandra Martinez

Title: Neuroscience Myths & Misconceptions: The Brain is Fully Developed at Age 25.

Presenter: Reagan Polley

Title: Neuroscience Myths & Misconceptions: Misconceptions of Brain Injury Permanence.

Presenter: Will Robinson

Title: Neuroscience Myths & Misconceptions: We Only Have 5 Senses.

Presenter: Giuseppe Rossi

Title: Neuroscience Myths & Misconceptions: Dissociative Identity Disorder: The Neurological Basis.

Presenter: Samantha Rothkop

Title: Neuroscience Myths & Misconceptions: You Are Not Using 100% of Your Brain Function.

Presenter: Abdurruf Said

Title: Neuroscience Myths & Misconceptions: Brain Plasticity Stops With Age.

Presenter: Jude Shahwan

Title: Neuroscience Myths & Misconceptions: Different Brains for Different Personalities.

Presenter: Zane Shamsheer

Title: Neuroscience Myths & Misconceptions: We "Our Brain" Remembers Everything We've Ever Experienced.

Presenter: Katherine Smith

Title: Neuroscience Myths & Misconceptions: Melatonin Helps People Fall Asleep- Sleep Myth.

Presenter: Carolina Solis

Title: Neuroscience Myths & Misconceptions: Psychopaths Are "Born" Not "Made".

Presenter: Shannon Thompson

Title: Neuroscience Myths & Misconceptions: Human Memory Accuracy.

Presenter: Brian Vences Perez

Title: Neuroscience Myths & Misconceptions: The Neuroscience of Free Will: Do We Choose Our Actions?

Presenter: Julian Wieck

Friday, April 25, 2025

College of Science and Engineering

Mechanical Engineering Design Challenge

9:00 a.m. – 9:40 a.m. STEM 1115

Faculty Chair: Dr. Kazi Billah

Title: Design and Manufacturing of Lunar Lander.

Presenter: Cyrus Bajwa, Daniel Baugh, Cristian Gonzalez, Richard Grumbles, Andrew Tomlinson

Title: Design and Manufacturing of Bottle Hashi.

Presenter: Joseline Hurtado, Sergio Lara, Israel Sosa, Adalid Treviño, Christian Vasquez

Friday, April 25, 2025

College of Science and Engineering

9:00 a.m. – 11:00 a.m. Online Session ([Zoom Link](#))

Faculty Chair: Dr. Sachiyo Mukherji

Title: Wastewater Treatment- Microbial Degradation of Antibiotics.

Presenter: Andrea Carmicheal

Title: Effectiveness of Phytoremediation Strategies on Oil Spills.

Presenter: Makayla Conroy

Title: Phytoremediation of Heavy Metals in Constructed Wetlands for Water Treatment.

Presenter: Isabelle Martinez

Title: Micro and Macroorganisms to Clean CAFO Wastewater.

Presenter: Leah Mulkey

Title: Potential Ecological Risks and Benefits of Using Genetically Modified Plants for
Phytoremediation Purposes.

Presenter: Mirabelle Songoue

Title: Biosecurity Measures to Reduce Risks to Ecosystems and Public Health and Support
Sustainable Practices.

Presenter: May Morgan

Friday, April 25, 2025

College of Science and Engineering

Mechanical Engineering Design Showcase

Oral Presentation Session

9:30 a.m. - 12:30 p.m. STEM 1203 (Lecture Hall)

Faculty Chair: Dr. Jeff Mountain

Title: Insulation Attachment Device for Astronaut Use on the ISS: The Backyardigans NASA Tag Gun.

Presenters: Peter Bowling, Walker Sharpe, Joseph Gibson, Matt Alatorre

Faculty Sponsor: Dr. Youssef Hamidi

Time: 9:30 – 9:50

Title: The Space Cowboys: Lunar Sample Collection Device.

Presenters: Abdullah Nazzal, David Patino, and Michael Schoppa

Faculty Sponsor: Dr. Youssef Hamidi

Time: 9:50 – 10:10

Title: Team Menteluminosa's Design and Manufacturing of a Lunar Contact Sampling Device.

Presenters: Andrew Klein, John Claunch, Saifeel Maknojia, & Adam Kennedy

Faculty Sponsor: Dr. Kazi Billah

Time: 10:10 – 10:30

Title: Design and Manufacturing of a Lunar Rover.

Presenters: Mario Galdamez, Eli Fuentes, Oscar Franco, Diego Zuniga

Faculty Sponsor: Dr. Kazi Billah

Time: 10:30 – 10:50

Title: Design and Manufacturing of a Foreign Object Debris Removal Apparatus from the Cupola of the International Space Station.

Presenters: Luke Sammons, Arlan Catney, Darin Kliesing

Faculty Sponsor: Dr. Kazi Billah

Time: 10:50 – 11:10

Title: Astro Attach Softgoods Attachment Device.

Presenters: Alberto Leon, Julio Pinzon Jimenez, Gilmartin Roman-Torres, Gabriel Salazar

Faculty Sponsor: Dr. Kazi Billah

Time: 11:10 – 11:30

Title: Wire-Embedded Additive Manufacturing.

Presenters: Tiger Xue, Jeffrey Gleasman, Thanh Pham

Faculty Sponsor: Dr. Kazi Billah

Time: 11:30 – 11:50

Title: Enhancing KULR's Impingement Zone Mapping Technology.

Presenters: Aidan Byrne, Victor Guevara, Diego Trejo, Moshin Mirchandani

Faculty Sponsor: Dr. Youssef Hamidi

Time: 11:50 – 12:10

Title: Designing a Retractable Dock Line for Pontoon Boats.

Presenters: Richard Arechiga, David Cardozo, Reggie Martinez, and Alberto Torres

Faculty Sponsor: Dr. Youssef Hamidi

Time: 12:10 – 12:30

Friday, April 25, 2025

College of Science and Engineering

Computer Engineering Design Showcase

Oral Presentation Session

10:00 a.m. - 12:00 p.m. Bayou 2512

Faculty Chair: Dr. Jiang Lu

Title: Boom Boards.

Presenters: Christian Henry, Julian Rincon, Ke Zhou

Faculty Sponsor: Dr. Luong Nguyen

Time: 10:00 – 10:20

Title: Code Generator Design for Numerical Hardware Accelerators.

Presenters: Dania Mosuli, Cameron Disomma, John Ngo

Faculty Sponsor: Dr. XiaokunYang

Time: 10:20 – 10:40

Title: NASA LunaboticsChallenge Competition.

Presenters: Stephanie Bonilla, Javier Rivera, Jose Reyes, Fernando Hermosillo Leon, Reyna Cruz,
Brandon Rodriguez

Faculty Sponsor: Dr. Luong Nguyen

Time: 10:40 – 11:00

Title: InstantRoof Replacement Calculator.

Presenters: Aron Cruz, Clinton Green, Raul Diaz

Faculty Sponsor: Dr. XiaokunYang

Time: 11:00 – 11:20

Title: SpreadfinUnderwater Rover.

Presenters: Jacob Diaz, Otoniel Mayoral, Tyler Gambaiana

Faculty Sponsor: Dr. Luong Nguyen

Time: 11:20 – 11:40

Title: Magic Music Box.

Presenters: Keaton Khoury, Eric Peterson, Angela Rios, Sergio Flores-Cruz

Faculty Sponsor: Dr. XiaokunYang

Time: 11:40 – 12:00

Friday, April 25, 2025

College of Science and Engineering

Engineering Design Showcase

Poster Session

2 p.m. - 5 p.m. Bayou, Garden Room

Faculty Chair: Dr. Hakduran Koc

Title: Insulation Attachment Device for Astronaut Use on the ISS: The Backyardigans NASA Tag Gun.

Presenters: Peter Bowling, Walker Sharpe, Joseph Gibson, Matt Alatorre

Faculty Sponsor: Dr. Youssef Hamidi

Title: The Space Cowboys: Lunar Sample Collection Device.

Presenters: Abdullah Nazzal, David Patino, and Michael Schoppa

Faculty Sponsor: Dr. Youssef Hamidi

Title: Team Menteluminosa's Design and Manufacturing of a Lunar Contact Sampling Device.

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Faculty Sponsor: Dr. Kazi Billah

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Faculty Sponsor: Dr. Kazi Billah

Title: Wire-Embedded Additive Manufacturing.

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Title: Enhancing KULR's Impingement Zone Mapping Technology.

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Faculty Sponsor: Dr. Youssef Hamidi

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