



16<sup>th</sup> Annual  
**STUDENT  
RESEARCH**  
CONFERENCE



CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

March 1-5, 2021

# Greetings from President Parham

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Research, discovery and dissemination of knowledge and ideas is at the heart of our university. This exploration and exchange fosters new understandings about the complexities of the world we live in.

Welcome to California State University, Dominguez Hills' 16th Annual Student Research Day Conference. This week, we celebrate the achievements of our students who have been conducting original scholarly investigations—albeit virtually, rather than in person. In the face of great change this year, they have continued to demonstrate

talent and ambition, and I recognize and appreciate their hard work and unique insights.

Here at CSU Dominguez Hills, our campus community works together to develop students by helping them to frame and interrogate the most important issues of our day as scholars and communicators. However, their research is not complete until they share it with the community. Consequently, Student Research Conference is essential to the mission of our campus.

I invite you to engage with our students by attending their virtual presentations and viewing their posters online. Also, you are encouraged to engage them in conversations that will provide opportunities for discovery, critical thinking, challenges, and further deep-structured analysis.

Sincerely,

A handwritten signature in black ink that reads "Thomas Parham". The signature is fluid and cursive, with a long horizontal stroke at the end.

Thomas A. Parham, Ph.D.

*President*

# Welcome

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## **Presenters, judges, faculty mentors, and guests:**

To all members of our campus community,

Welcome to our annual celebration of student research achievement! This has been a hard year for all of us. In the midst of our professional and personal challenges brought on by this pandemic, we have worked to design a conference that will allow us all to slow down and enjoy the scholarship of our students at a comfortable pace. The oral presentations and poster sessions are available for your viewing at any time throughout this entire week. You will have an opportunity to chat with or ask questions to any of the presenters using the features of the conference website.

This event is made possible from the generous support of our sponsor, as well as Associated Students Inc. and the Office of the President. While we are now getting quite used to online events, this was the first time that our Student Research Conference was moved online and we've learned a lot of lessons in the process. Staff from the Graduate Studies and Research have been essential, and the conference was moved onto the website thanks to the Office of Undergraduate Research and volunteer faculty. I also am grateful to a team of dedicated faculty who stepped up this year, not just for judging, but also for planning this event over the past several months.

While we are able to remotely participate in the conference at our time of choosing this year, let's also look forward to seeing one another again in person a year from now, at the 17th Annual Student Research Conference!

Sincerely,

Terry McGlynn, Ph.D.

*Professor of Biology*

*Conference Chair*

*We have made every effort to make the information in this program accurate and to include all participants. If we have made an error, or if we have inadvertently excluded you, please let us know at [srday@csudh.edu](mailto:srday@csudh.edu) and we will make corrections and provide you with an updated program.*

# Conference Schedule

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## Roundtable Discussion

MARCH 1	TIME	VIRTUAL ROOM	CATEGORY
	10:00 – 11:15 a.m.	LSU 320	Behavioral and Social Sciences, Biological and Agricultural Sciences
	11:30 a.m. – 12:45 p.m.	LSU 322	Behavioral and Social Sciences, Biological and Agricultural Sciences, Health, Nutrition, and Clinical Sciences
	6:00 – 7:00 p.m.	LSU 323	Education
MARCH 2	TIME	VIRTUAL ROOM	CATEGORY
	10:00 – 11:30 a.m.	LSU 320	Behavioral and Social Sciences, Creative Arts and Design, Engineering and Computer Sciences, Physical and Mathematical Sciences
	11:00 a.m. – 12:00 p.m.	LSU Ballroom	<b>The Journey to Graduate School I</b> Panel Discussion
	12:00 – 1:00 p.m.	LSU Ballroom	<b>The Journey to Graduate School II</b> Panel Discussion

## Oral Presentations – Q&A

Prerecorded presentations available starting March 1, 2021

MARCH 3	TIME	VIRTUAL ROOM	CATEGORY
	9:00 – 10:00 a.m.	LSU 320	Behavioral and Social Sciences I
	10:00 – 11:00 a.m.	LSU 322	Biological and Agricultural Sciences I
	11:00 a.m. – 1:00 p.m.	LSU Ballroom	<b>The Journey to Research: More than One Road</b> Panel Discussion
	1:00 – 2:00 p.m.	LSU 324	Humanities and Letters I
	2:30 – 3:30 p.m.	LSU 325	Physical and Mathematics Sciences I
	6:00 – 7:00 p.m.	LSU 323	Education I
MARCH 4	TIME	VIRTUAL ROOM	CATEGORY
	9:00 – 10:00 a.m.	LSU 320	Behavioral and Social Sciences II
	10:00 – 11:00 a.m.	LSU 322	Business, Economics, and Public Administration I
	11:30 a.m. – 1:00 p.m.	LSU Ballroom	<b>Life in Graduate School: The Adventure!</b> Panel Discussion
	1:00 – 2:00 p.m.	LSU 324	Humanities and Letters II
	2:30 – 3:30 p.m.	LSU 323	Engineering and Computer Sciences I
MARCH 5	TIME	VIRTUAL ROOM	CATEGORY
	9:00 – 10:00 a.m.	LSU 320	Behavioral and Social Sciences III
	10:00 – 11:00 a.m.	LSU 322	Creative Arts and Design I
	1:00 – 2:00 p.m.	LSU 324	Physical and Mathematical Sciences II
	2:30 – 3:30 p.m.	LSU 323	Health, Nutrition, and Clinical Sciences I

**Poster Presentations are viewable all week via the online conference platform.**

# Faculty Mentors

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<b>Accounting and Law</b>	Sheng Yi
<b>Anthropology</b>	Jerry Moore, Sarah Lacy, Sarah Taylor, Kenneth Seligson, Sonja Ulrich, Susan Needham
<b>Art and Design</b>	Kirstin Ellsworth, Devon Tsuno
<b>Biology</b>	Shehla Pervin, Kathryn Theiss, Karin Kram, Justin Valliere, Sonal Singhal, Douglas Bartlette, Charlene McCord
<b>Business Administration, Public Administration and Public Policy</b>	Zheng Yang, Rama Malladi, Orié Berezan, Rui Sun, Sarah Britto, Fynnwin Prager
<b>Chemistry</b>	Erin McCauley, Barbara Belmont
<b>Chicana/Chicano Studies</b>	Miguel Gutierrez
<b>Clinical Science</b>	Payman Nasr
<b>Communications</b>	Ana de la Serna
<b>Computer Science</b>	Bhriugu Celly, Bin Tang, Mohsen Beheshti
<b>Community Health Option</b>	Archana M. Sharma
<b>Earth Science</b>	Parveen Chhetri, Tianjun Lu
<b>Education</b>	Megumi Kuwabara
<b>English</b>	Kimberly Huth, Debra Best, Andrew Kalaidjian, Roderick Hernandez, Helen Oesterheld
<b>Graduate Education</b>	Pamela Robinson
<b>History</b>	Doris Namala, Bianca Murillo
<b>Human Services</b>	Edward Robinson
<b>Information Systems and Operations Management</b>	Myron Shue, Nancy Deng
<b>Liberal Studies</b>	Jen Stacy
<b>Mathematics</b>	Carolyn Yarnall
<b>Management and Marketing</b>	Orie Bereza, Thomas Norman, Kirti Celly
<b>Negotiation, Conflict Resolution and Peacebuilding</b>	Brian Jarrett
<b>Nursing</b>	Terri Ares
<b>Occupational Therapy</b>	Sheryl Ryan
<b>Physics</b>	Claudio Egallon, Harneet Grewal
<b>Political Science</b>	Yeaji Kim
<b>Psychology</b>	Steven Frieze, L. Mark Carrier, Monique Turner, Kevin Montes, Ashley Membere, Giacomo Bono, Tatiana Basanez, Olga Kozanian, Silvia Santos, Maria Hurtado-Ortiz, Erin Barrett, Philip Vieira
<b>Social Work</b>	Quang Duongtran
<b>Sociology</b>	Esther Castillo, Adam Sanford, Katy Pinto, Alexis McCurn
<b>Special Education</b>	Kai Green
<b>Teacher Education</b>	Jarod Kawasaki
<b>Theatre Arts</b>	Shaunte Caraballo
<b>University Effectiveness, Planning and Analytics</b>	Alana Olschwang
<b>Women's Studies</b>	Jennifer Brandt

# Judges

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Adriana Aldana	Angelica Lopez Fraire	Miriam Hernandez Martinez
Amy Allen	Nestor Garza	Ashley Membere
Samila Aman	Michael Grimshaw	Kevin Montes
Ryan Archibald	Christopher Hallenbrook	Jerry Moore
Nallely Arteaga	Brynn Heckel	Samira Moughrabi
Diego Avalos	Danielle Heitmuller	David Ochi
Roya Azizi	Amina Humphrey	Carolyn Oudiz
Erin Barrett	Kathleen Janert	Joanna Perez
Livia Bongiovanni	Joshua J. Jeffers	Anne M. Reid
Kaitlyn Breiner	Sunghoon Joo	Cynthia Sanchez
Sarah Britto	Andrew Kalaidjian	Amy Sewart
Jennifer Brodmann	Jarod Kawasaki	Kerry Shannon
Meka N. Brown	Lori Keller	Archana More Sharma
Theodore Byrne	Wafa Khasawneh	Sonal Singhal
Kaylie Carbine	Yeaji Kim	Jen Stacy
Hyo Joon Chang	Joanna Messer Kimmitt	Lisa Sueki
Gioella Chaparro	Karin E. Kram	Rui Sun
Parveen Chhetri	Megumi Kuwabara	Sarah R. Taylor
Jenny Chiappe	Mary T. Lacanlale	Elwin Tilson
Emily Colville	Sarah Lacy	Sarah Underwood
Kelley Dawdy	Hernani L. Ledesma Jr.	Tara Victor
Ana X. de la Serna	Hannah Lee	Philip Vieira
Begona De Velasco	Juan Leon	Fang Wang
Prakash Dheeriya	Kelin Li	Melissa Williams
Fernando Severino Diaz	Tianjin Lu	Jun Xiang
Donna Dueker	Sally Mahmoud	Zheng Yang
Paul Fornelli	Rama Malladi	Carolyn Yarnall
Kitty Fortner	Iara Mantenuto	

# Organizing Committee

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John W. Price (Dean)	Kai Greene	Annalyn Valdez Dadia	Brigette Brown
Terry McGlynn (Chair)	Erin Barrett	Jasmina Zuljevic	Gillian Fischer
Tigress Briggs-Wroten	Roya Azizi	Arleen Chikami	Craig Geber
Sheryl Ryan	Kenneth Seligson	Lillian Insalata	Chandra Khan
Christopher Hallenbrook	Heather Kitching	Amy Bentley-Smith	
Paul K. Fornelli	Gioella Chaparro	Bacilisa Baltazar	
Ju-Hyun Song	Wafa Khasawneh	Toumik Asatoorian	
Parveen Chhetri	Wei Ma	Judith Aguirre	

*While we have made every effort to include the names of all our judges in the program, changes may occur between the time this program is printed and Student Research Day on March 1, 2021. Please forgive us if we have not included your name and please know that we appreciate the effort each judge and session chair puts into making this day a success. Thank you!*



# **Student Research Conference Panels**

## **TUESDAY, MARCH 2**

### **THE JOURNEY TO GRADUATE SCHOOL I & II – LSU Ballroom**

Faculty panelists will discuss their graduate programs and provide tips. Q & A sessions will follow.

**Moderators:** Roya Azizi, Ph.D. and Heather Kitching, OTD, OTR/L

**11:00 a.m. – 12:00 p.m.** **Kate Esposito, Ph.D.**, Professor and Chair, Special Education, College of Education

**Adriean Mancillas, Psy.D.**, Professor of Counseling, Program Coordinator, School and College Counseling, College of Education

**Terry Peralta-Catipon, Ph.D., OTR/L**, Associate Professor, Chair and Program Director, Department of Occupational Therapy, College of Health, Human Services and Nursing

**12:00 – 1:00 p.m.** **Annemarie Perez, Ph.D.**, Assistant Professor, Interdisciplinary Studies, College of Arts and Humanities

**Silvia Santos, Ph.D.**, Professor, Department of Psychology, Co-Coordinator, Master of Arts in Psychology Program. College of Natural and Behavioral Sciences

**Betty Vu, Ph.D.**, Assistant Dean, Graduate and Professional Programs, College of Business Administration and Public Policy

## **WEDNESDAY, MARCH 3**

### **THE JOURNEY TO RESEARCH: MORE THAN ONE ROAD I & II LSU Ballroom**

Faculty panelists from CSUDH and other campuses/institutions will discuss their personal journeys to research careers. Q & A sessions will follow.

**Moderators:** Erin Barrett, M.A. and Kai Greene, Special Education, Ph.D., CCC-SLP

**11:00 a.m. – 12:00 p.m.** **Mark Carrier, Ph.D.**, Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Applied cognition, psychology of technology, cognitive psychology, critical thinking

**Kevin Montes, Ph.D.**, Assistant Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Addiction, alcohol use, marijuana use, tobacco use, gambling, identity (e.g., recovery/drinking identity), protective behavioral strategies, motives, outcome expectancies, health disparities, and advance quantitative analyses.

**Philip Vieira, Ph.D.**, Associate Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Behavioral Neuroscience, neuroplasticity, addiction, pharmacokinetics.

12:00 – 1:00 p.m.

**Maria Resendiz, Ph.D., CCC-SLP**, Associate Professor, Communication Sciences and Disorders, Texas State University, San Marcos

**Laura Rhinehart, Ph.D.**, Assistant Researcher, Center for Dyslexia, Diverse Learners and Social Justice, University of California, Los Angeles

**Maryanne Wolf, Ph.D.**, Professor, University of California, Los Angeles. Research: Global literacy of neuroscience and reading

## THURSDAY, MARCH 4

### LIFE IN GRADUATE SCHOOL: THE ADVENTURE! – LSU Ballroom

Students currently pursuing research degrees at the doctoral or master level will discuss their journey of decision-making, and their experience in research degree programs. The discussion will focus on navigating all that is new and exciting with pursuing a career that includes research.

**Moderators:** Erin Barrett, M.A. and Kai Greene, Special Education, Ph.D., CCC-SLP

11:30 a.m. – 1:00 p.m.

**Jael Castro**, Bachelor of Arts, Psychology, CSUDH Applicant, Ph.D. in Clinical Psychology and Master in Counseling

**Daniel Correa**, Bachelor of Arts, Psychology, minor in Management, CSUDH Graduate Student, Clinical Psychology, CSUDH

**Taylor Anne Duffy**, Graduate Student, Clinical Psychology at CSUDH Graduate Research Assistant, Positive Social Development and Dynamics Lab  
Graduate Research Assistant, Social and Developmental Research Lab

**Taylor Hosea**, Bachelor of Arts, Sociology, minor in Psychology, CSUDH Graduate Student, Social Work, CSUDH

**Loree T. Pham, MS, OTR/L**, Master of Science, Occupational Therapy, CSUDH Doctor of Philosophy student, Occupational Science, University of Southern California Graduate Research Assistant, Lifestyle Redesign® for Chronic Conditions Lab

**Gilberto Sanchez**, Bachelor of Arts, Psychology, CSUDH Research Assistant, Positive Psychology Lab, CSUDH

**Roberto Villalta, Jr.**, Bachelor of Arts, Communicative Disorders, Cal State Los Angeles Graduate Student, Communication Sciences and Disorders, Cal State Los Angeles

**Vanessa Monique Yanez, MS, OTR/L**, Master of Science, Occupational Therapy, CSUDH Doctor of Philosophy Student, Occupational Therapy at Texas Woman's University, Adjunct Instructor, University of St. Augustine, Austin, Texas



# Monday, March 1 – Roundtable Discussion

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## Behavioral and Social Sciences, Biological and Agricultural Sciences – LSU 320

- 10:00 – 10:15 a.m.**      **Alicia Smith, Maribel Gomez, Karina Jaimes, Theresa Serrato, Frances Rubio, Mariah Jacobo, Jessica Reyes,** Undergraduate  
*Examining Academic Success in First-Generation College Students and Identifying the Factors Most Conducive to Their Success*  
Faculty Mentor: Erin Barrett, Psychology
- 10:15 – 10:30 a.m.**      **Jessica Moron, Nasim Karimi,** Undergraduate  
*The Differential Impact of COVID-19 on Communities. Is the Pandemic Leaving a Lasting Mark on the Latinx Community?*  
Faculty Mentor: Steven Frieze, Psychology
- 10:30 – 10:45 a.m.**      **Mayra Hernandez,** Undergraduate  
*Effects of Nitrogen Deposition, Climate, and Fire on Soil Nitrogen Availability*  
Faculty Mentor: Justin Valliere, Biology
- 10:45 – 11:00 a.m.**      **Joseph Villarreal,** Graduate  
*First Generation Latinx Perspective of Law Enforcement and Police Brutality*  
Faculty Mentor: Danny Madrid, Sociology
- 11:00 – 11:15 a.m.**      **Maria De La Torre,** Undergraduate  
*Understanding the Neurobiological Factors that Support Addiction using a Rat Model of Cocaine Abuse*  
Faculty Mentor: Philip Vieira, Psychology

## **Behavioral and Social Sciences, Biological and Agricultural Sciences, Health, Nutrition and Clinical Sciences – LSU 322**

- 11:30 – 11:45 a.m.**      **Paul Dinh**, Graduate  
*Giving our Slow Growing Coral a Little Boost*  
Faculty Mentor: Charlene McCord, Biology
- 11:45 a.m. – 12:00 p.m.**      **Casey Caprioglio**, Graduate  
*An Ethnographic Study of the Influence of COVID-19 on First year Residents and Nurses*  
Faculty Mentor: Esther Castillo, Sociology
- 12:00 – 12:15 p.m.**      **Francisco Gonzalez**, Undergraduate  
*Los Angeles Punk Rock*  
Faculty Mentor: Jen Stacy, Liberal Studies
- 12:15 – 12:30 p.m.**      **Cesar Ovando**, Undergraduate  
*Sobrevivendo en las Tierras Altas: Guatemalan Maya Continuities, Resistance, and Adaptions in the Colonial Era*  
Faculty Mentor: Doris Namala, History
- 12:30 – 12:45 p.m.**      **Myrta Rivera**, Graduate  
*Media Mass Murder*  
Faculty Mentor: Brian Jarrett, Negotiation, Conflict Resolution and Peacebuilding

## Education – LSU 323

- 6:00 – 6:15 p.m.**      **Jennifer Hernandez-Rosa**, Undergraduate  
*Early Teacher Retention Issues among Working-Class Students of Color*  
Faculty Mentor: Jarod Kawasaki, Teacher Education
- 6:15 – 6:30 p.m.**      **Veronica Khalil**, Graduate  
*A Bilingual Study-Utilizing Dynamic Assessment to Measure Narrative Language in English Learner Preschool Students with a Speech and Language Impairment.*  
Faculty Mentor: Kai Greene, Special Education
- 6:30 – 6:45 p.m.**      **Melanie Gerner**, Undergraduate  
*Reducing Invisible Equity Gaps: The Effects of Whole Person Advising on Student-Parent Graduation Rates*  
Faculty Mentor: Thomas Norman, Management & Marketing and Ana de la Serna, Communications
- 6:45 – 7:00 p.m.**      **Kelsey Loup**, Graduate  
*Game Point: Career readiness among College Athletes*  
Faculty Mentor: Pamela Robinson, Graduate Education

## Tuesday, March 2 – Roundtable Discussion

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### **Behavioral and Social Sciences, Creative Arts and Design, Engineering and Computer Science, Physical and Mathematical Sciences – LSU 320**

- 10:00 – 10:15 a.m.**      **Matthew Taylor**, Graduate  
*Pledge of Allegiance: The Political Efficacy of Historically Black Greek Letter Organizations*  
Faculty Mentor: Alexis McCurn, Sociology
- 10:15 – 10:30 a.m.**      **Tania Lugo**, Undergraduate  
*Opioid Use Disorder and Sleep: Investigating the Neurobiological Correlates*  
Faculty Mentor: Philip Vieira, Psychology
- 10:30 – 10:45 a.m.**      **Griselda Rivera-Orochena**, Undergraduate  
*Blindspot: The Double Erasure of Queer Central Americans*  
Faculty Mentor: Alexandro Hernandez, Chicano/Chicana Studies
- 10:45 – 11:00 a.m.**      **Paris Orozco**, Undergraduate  
*Male Gaze in Art*  
Faculty Mentor: Kirstin Ellsworth, Art & Design
- 11:00 – 11:15 a.m.**      **Anand Mishra**, Graduate  
*Improving Sentiment Analysis by Introducing Emotion Detection*  
Faculty Mentor: Mohsen Beheshti, Computer Science
- 11:15 – 11:30 a.m.**      **Jason Guerrero**, Undergraduate  
*Identification of Bioactive Natural Products from Marine Sponges that Exhibit Selective Cytotoxicity Against Solid Tumor Cell Lines.*  
Faculty Mentor: Erin McCauley, Chemistry

# Wednesday, March 3 – Oral Presentations Q&A

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## Behavioral and Social Sciences I – LSU 320

**9:00 – 10:00 a.m.**

**Cesar Ovando**, Undergraduate

*The Nearly Impossible Conquest of the Guatemalan Lowlands: The Advantages of the Indigenous Maya in Central Petén*

Faculty Mentor: Kenneth Seligson, Anthropology

**Chloe Aftalion, Piper Asten, Amber Ferrari, Jennifer Duffy**, Graduate

*Commonalities in Treating Eating Disorders: The Experiences of Occupational Therapists*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Colleen Vuong, Naomi Nelson, Shayna Quach, Brandon Thomas**, Graduate

*The Lived Experiences of Minority Mothers in the Neonatal Intensive Care Unit and the Role of Occupational Therapy*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Cristina Garcia, Michelle Alfonso, Greg Dolmage, Briana Fajardo**, Graduate

*The Lived Experience of Sons Caregiving for their Parents with Alzheimer's Disease or Dementia*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Crystal Solano, Sarah Anne Nakamura, Michelle Vuong, Natalie Pinchuk**, Graduate

*The Impact of Performance Patterns & Spirituality on Post-Rehabilitation Individuals Recovering from Substance Use Disorder*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Daisha Campbell**, Undergraduate

*Anti-Immigrant Attitudes in the United States*

Faculty Mentor: Yeaji Kim, Political Science

**Elizabeth De Leon, Veronica Rodarte, Yunnia Jimenez, Jessica Vazquez**, Undergraduate

*The Effect of Using Red versus Green Ink on a Quiz on Women's Memory Recall: Exploring Premenstrual Tension and Anxiety*

Faculty Mentor: Tatiana Basanez, Psychology

**Heather Bocianski, Julia Adams, Nader Abolhosn, Elisabeth Bolten**, Graduate

*The Lived Experiences of Identity Reconstruction in Individuals with an SCI who Participate in Outdoor Recreation*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Carla Lopez**, Undergraduate

*The Roots of Ethnic Conflicts*

Faculty Mentor: Adam Sanford, Sociology

## **Biological and Agricultural Sciences I – LSU 322**

**10:00 – 11:00 a.m.**

**Liz Solis**, Undergraduate

*Delimiting Species in the Australian Lizard, Ctenotus*

Faculty Mentor: Sonal Singhal, Biology

**Gabriel Angulo, Eric Thai**, Undergraduate

*Geomorphic Processes and Patterns Controlling the Spatial Structure of Treeline in Makalu Barun National Park, Eastern Nepal Himalayas*

Faculty Mentor: Parveen Chhetri, Earth Science

**Gregory Lazzarino**, Undergraduate

*Using Amps to Determine Transformation Efficiency in CRISPR*

Faculty Mentor: Harneet Grewal, Physics

**Raul Gutierrez, Bronte Shelton, Luke Fisher**, Undergraduate

*Comparative Genomic Analysis of Halophilic and Xerophilic Microbes to Elucidate Adaptation to Chaotropic and Low Water Activity Environments.*

Faculty Mentor: Douglas Bartlett, Biology

## **Humanities and Letters I – LSU 324**

**1:00 – 2:00 p.m.**

**Anna Doney**, Undergraduate

*The Performance and Specificity of Death in Renaissance Tragedy and Its Impact on Perception and Catharsis*

Faculty Mentor: Kimberly Huth, English

**Jackson Martinez**, Graduate

*The Flâneuse and Phantasmagoria in the Cosmopolis*

Faculty Mentor: Andrew Kalaidjian, English

**Jasmine Abang**, Undergraduate

*Immigration, Reproductive Rights, and Mexican (American) Women.*

Faculty Mentor: Doris Namala, History

**Jeremy Quinonez**, Alumni

*Revisiting Lumumba's Political Identity through a Colonial Lens in De-Colonial Congo (1956-1965)*

Faculty Mentor: Bianca Murillo, History



## **Physical and Mathematical Sciences I – LSU 325**

**2:30 – 3:30 p.m.**

**Omar Santizo, Claire Ladan, Justin Hathaway**, Undergraduate

*Improving Undergraduate Chemistry Education Analyzing Biochemical Redox Analytes Using a Student-Built Potentiostat*

Faculty Mentor: Barbara Belmont, Chemistry

**Orji Ezieme**, Graduate

*Hazardous Air Surrounds West Carson*

Faculty Mentor: Parveen Chhetri, Earth Science

**Raju Bista**, Graduate

*Climate-driven Differing Growth Performances of Cohabitant *Abies spectabilis* and *Betula utilis* in the Subalpine Forest in Dhorpatan Nepal*

Faculty Mentor: Parveen Chhetri, Earth Science

**Mary Bishop**, Alumni

*Planning for Conflict with Urban Coyotes*

Faculty Mentor: Tianjun Lu, Earth Science

## **Education I – LSU 323**

**6:00 – 7:00 p.m.**

**Icela Pantoja-Zamudio**, Undergraduate

*Child Language Development: Influence of Multilanguage Exposure and Socioeconomic Status.*

Faculty Mentor: Megumi Kuwabara, Education

**Sarah Mecklenburg**, Graduate

*Special Education and General Education Teachers Attitudes and Perceptions on How They Feel About Students with Intellectual Disabilities and the Bullying of Students with Intellectual Disabilities*

Faculty Mentor: Kai Greene, Special Education

# Thursday, March 4 – Oral Presentations Q&A

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## Behavioral and Social Sciences II – LSU 320

**9:00 – 10:00 a.m.**

**Helen Chan, Kimberly Ayala, Sabrina Belen, Christina Chu**, Graduate

*The Ethnicity of Occupational Therapists in Southern California: Experiences in the Workplace and with Clients*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Janet Mejia**, Alumni

*Generational Outlooks on Hospice Enrollment: Does Acculturation Matter?*

Faculty Mentor: Sonja Ulrich, Anthropology

**Josef Noah Joshua Dizon, Samantha Betts, Cindy Carrillo, Lauren Fukuyama**, Graduate

*The Lived Experience of Intimate Relationship of Adults with Cerebral Palsy*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Juliet O'Brien, Rachel Reyes, Mele Weaver**, Graduate

*The Occupational Aftermath of Sexual Assault Survivors*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Kori Kutsch, Megan Guerra, Katy Kelley, Katy Kwan**, Graduate

*Lived Experiences of Parents Who Have Adopted Children with Mental and Behavioral Health Challenges*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Lauren Vilorio, Courtney Ramirez, Michael Tran, Caresse Zhong**, Graduate

*Understanding the Occupation of Drag*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Melanie Ramirez, Mary Grace Perez, Justin Navarro, Bernice Verzosa**, Graduate

*The Impact of Stroke on Transportation Use in the Greater Los Angeles Area*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Anthony Onwuegbuzia**, Undergraduate

*Catching Fades: An Examination of Black Barbershop Culture*

Faculty Mentor: Edward Robinson, Humanities

## **Business, Economics, Public Administration I – LSU 322**

**10:00 – 11:00 a.m.**

**Sara Garcera**, Undergraduate

*Handwritten Journaling, Creative Thinking, and Humanity*

Faculty Mentor: Orié Berezan, Management & Marketing

**Alan Augusto, Santos Couto, Brenda Arellano**, Undergraduate

*The Impact of Students' Backgrounds on Their Excel Learning Effectiveness*

Faculty Mentor: Sheng Yi, Accounting & Law

**Jennifer Van**, Graduate

*Engaging Citizens in the Budget Process: Implications on Police-Community Relationships*

Faculty Mentor: Rui Sun, Public Administration, Sarah Britto, Public Administration

**Lauren Hull**, Graduate

*Effects of Law & Public Policy on the Supply of Women's Healthcare Providers in California*

Faculty Mentor: Fynnwin Prager, Public Administration

**Rushi Patel, Megan Baker**, Undergraduate

*An Empirical Study of Undergraduate Students' Interest in Technical and Analytical Jobs and Their Motivation to Learn Excel Skill*

Faculty Mentor: Nancy Deng, Information Systems and Operations Management

**Susana Saborio**, Undergraduate

*Understanding Adversities of Gig Workers from Different Online Platforms and By Worker Characteristics*

Faculty Mentor: Nancy Deng, Information Systems and Operations Management

**Nirnay Thoolkar**, Graduate

*Studying Resiliency and Retention of University on Student Recovery Planning Survey*

Faculty Mentor: Rama Malladi, Accounting, Finance and Economics

**Joshua Mean**, Alumni

*Thriving in College during a Pandemic: Explaining COVID-19 Affected Student GPA Performance using the Thriving Quotient*

Faculty Mentor: Rama Malladi, Accounting, Finance and Economics

**Cat Munsen, Sarah Franks, NaKayla Williams**, Graduate

*Abolitionist Reform to Reimagine Policing: Defund the LAPD and Reinvest in Black Communities*

Faculty Mentor: Fynnwin Prager, Public Administration

## **Humanities and Letters II – LSU 324**

**1:00 – 2:00 p.m.**

**Joseline Gonzalez**, Undergraduate

*“Padre, Perdóname!”: Machismo, Family Structures, and Safe Spaces in Empanada and Butterfly Boy*

Faculty Mentor: Roderick Hernandez, English

**Katie Colln**, Graduate

*Medieval Women as Monsters: Taming Beast and Beauty*

Faculty Mentor: Debra Best, English

**Maha Furrukh-Butt**, Undergraduate

*Subverting Servants in The Revenger’s Tragedy*

Faculty Mentor: Kimberly Huth, English

**Matthew Hernandez**, Undergraduate

*“Please Don’t Kill Me”: Confronting Racist Violence in Contemporary Young Adult Literature*

Faculty Mentor: Helen Oesterheld, English

## **Engineering and Computer Sciences – LSU 323**

**2:30 – 3:30 p.m.**

**Deepa Kishore, Malani Dhanraj Rana**, Graduate

*Transcript Reader (Android app)*

Faculty Mentor: Bhrigu Celly, Computer Science

**Phillip Aguilera**, Undergraduate

*Virtual Network Function Load Balancing in Cloud Data Centers Using Machine Learning*

Faculty Mentor: Bin Tang, Computer Science

**Jennifer Ly**, Undergraduate

*VM Migration for Dynamic VM Traffic in Policy Aware Data Centers*

Faculty Mentor: Bin Tang, Computer Science

**Sterling Abrahams**, Graduate

*Migrating Virtual Network Functions in Dynamic Cloud Data Centers Using Reinforcement Learning*

Faculty Mentor: Bin Tang, Computer Science

**Yeswanth Saidu Sai Polu**, Graduate

*A Dynamic Data Resilience Algorithm for Sensor Networks*

Faculty Mentor: Bin Tang, Computer Science

# Friday, March 5 – Oral Presentations Q&A

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## Behavioral and Social Sciences III – LSU 320

**9:00 – 10:00 a.m.**

**Nadia Saleh, Abigail Reihanian, Nancy Saucedo, Laura Toda**, Graduate  
*Coping Experiences amongst Caregivers for Persons with Chronic Conditions*  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Peter Fuqua, Karla Santa Cruz**, Undergraduate  
*Food Culture in Cambodia: Influences and Practices*  
Faculty Mentor: Susan Needham, Anthropology

**S. Cortez-Flores**, Graduate  
*The Descent of the Institutionalized Marriage: Queer Latinx Millennial/ Gen Z Perspectives of Same-Sex Marriage*  
Faculty Mentor: Katy M. Pinto, Sociology

**Shanna Massachi, Nicole (Nicky) Lai, Alexander (Alex) Mastrovito, James (Jimmy) Merrigan**, Graduate  
*Grief, New Pet Ownership, and Occupational Participation: Pets Breaking Down Occupational Barriers*  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Stephanie Hoang, Jennifer Dabin Kim, Ada Le, Zachary Michaels**, Graduate  
*The Experience of College Students with Depressive Symptoms Participating in Online Instruction during COVID-19 Pandemic*  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Sydney A. Johnson**, Undergraduate  
*Rolling with the Girls*  
Faculty Mentor: Olga Kozanian, Psychology

**Taylor Duffy, Daniel Correa, Denise Aguiluz, Isabel Munoz**, Graduate  
*Socio-cultural Factors, Health Status Indicators and Health Beliefs that Predict Diabetes Risk among Latinx College Students*  
Faculty Mentor: Silvia Santos, Psychology, Maria Hurtado-Ortiz, Psychology

**Teresa Lam, Jaclyn Ingram, Alexandra Krizek, Annika Lin**, Graduate  
*The Occupational Experiences of Women with Late Autism Spectrum Disorder Diagnosis*  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Vanessa Flores, Jennifer Dee, Michelle Franco**, Graduate  
*Dating and Sexuality Experiences Among Transition-Age Individuals With Autism Spectrum Disorder: A Narrative Study*  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Clare Brodak, Manisha Maddi**, Alumni

*Thematically Analyzing the Library Gerth Archives COVID-19 Special Collection, Institutional Needs Assessment and Recovery Datasets, and a Primary “Thriving Quotient +” Survey to Understand Toro Resilience and Thriving in the Time of Coronavirus.*

Faculty Mentor: Kirti Celly, Management & Marketing, Rama Malladi, Accounting, Finance and Economics, Alana Olschwang, University Effect Plan & Analytics

## **Creative Arts and Design I – LSU 322**

**10:00 – 11:00 a.m.**

**Keya Hossain**, Undergraduate

*Artifact Piece (1987) - The Living, Breathing Specimen*

Faculty Mentor: Kirstin Ellsworth, Art and Design

**Khasnaa Juma**, Undergraduate

*Art and Environmental Sustainability in High Fashion*

Faculty Mentor: Devon Tsuno, Art and Design

**Meredith Gossland**, Graduate

*Propaganda Art as a Social Construct in the 21<sup>st</sup> Century*

Faculty Mentor: Kirsten Ellsworth, Art and Design

**Pravinesh Chand**, Undergraduate

*“Silence is Not Our Strength: Challenging Gender Norms in Indian Culture”*

Faculty Mentor: Shaunte Caraballo, Theatre Arts

## **Physical and Mathematical Sciences II – LSU 324**

**1:00 – 2:00 p.m.**

**Eric Thai**, Graduate

*Treeline-Nepal*

Faculty Mentor: Parveen Chhetri, Earth Science

**Karlee Rivera**, Undergraduate

*Does Los Angeles County Property Value Alter Due to Proximity to Fault Lines?*

Faculty Mentor: Parveen Chhetri, Earth Science

**Michael Franco**, Undergraduate

*Distribution of Bristlecone Pines in Future Climate Change Scenario*

Faculty Mentor: Parveen Chhetri, Earth Science

**Michelle Mohr, David Saldana, Gabriel Angulo, Raju Bista**, Undergraduate

*Tree-ring Climate Response of Jeffrey Pine in the Cascade Creek Watershed, Northern California*

Faculty Mentor: Parveen Chhetri, Earth Science



## **Health, Nutrition, and Clinical Sciences I – LSU 323**

**2:30 – 3:30 p.m.**

**Jocelyn Dominguez**, Undergraduate

*Alcohol Use & Perceptions among College Students*

Faculty Mentor: Archana M. Sharma, Community Health Option

**Judy Lee, Tien (Alison) Ho, Celeste Lau, Angelica Mones**, Graduate

*Experience of New Motherhood on Occupations, Roles, and Routines*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Kelli Kato, Gabrielle Jee, Kira Makuta**, Graduate

*Perceptions of Nature-Based Occupational Therapy for the Geriatric Population: A Photovoice Study*

Faculty Mentor: Sheryl Ryan, Occupational Therapy

**Sylvia Pabon Andraca**, Graduate

*Does the Use of Oral Glucose Lower Neonatal ICU Admissions or Lengths of Stay in Asymptomatic Neonates at Risk for Transient Hypoglycemia?*

Faculty Mentor: Terri Ares, Nursing

**Kamila Trzaneek**, Undergraduate

*Clinical Laboratory: Lessons Learned from COVID-19*

Faculty Mentor: Payman Nasr, Clinical Sciences

# Monday-Friday, March 1–5, 2021

## Posters Presentations

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Poster Presentations are viewable all week via the online conference platform.

### Behavioral and Social Sciences

**Chelsea Ramos, Jael Castro, Alberto Cedillo, Michelle Garcia, Anahi Gomez, Emily Guevara, Sophia Lozano, Gerald Martinez, Carmen Ocegüera, Janelly Reyes, Iris Rico, Paula Rodriguez, Gilberto Sanchez, Diana Valdez, and Faviola Varela,** Undergraduate  
*Latinx Perceptions on Mental Health*  
Faculty Mentor: Steven Frieze, Psychology

**Efrain Arroyo,** Undergraduate  
*Using Google Earth for Archaeological Research: A Virtual Survey of the Inca Road Network between Machu Picchu and Choquequirao*  
Faculty Mentor: Jerry Moore, Anthropology

**Elizabeth Mallonee,** Undergraduate  
*Honoring the Dead and Defining Territory – The Role of Irish Court Tombs in the Neolithic*  
Faculty Mentor: Jerry Moore, Anthropology

**Elizabeth Trost,** Undergraduate  
*Transplant Tourism and the Business of Organ Donation*  
Faculty Mentor: Sarah Lacy, Anthropology

**Kevin Kausen,** Undergraduate  
*Side Illuminated Liquid Level Optical Fiber Sensor for Hydroponic*  
Faculty Mentor: Claudio Egalon, Physics

**Jael Castro, Joshua-Zion Hunter, Ronald Jackson, Anahi Gomez, Karina Jaimes,** Alumni  
*2020-2022 CSUDH 'It Takes A Village' Discussion and Action Series*  
Faculty Mentor: Monique Turner, Psychology

**Janet Mejia, Heather Chaides, Lesli Hernandez Arevalo, Yoel Meza, Patricia Saldana, Arlene Barraza, Yessica Chavez,** Undergraduate  
*Defining Community Engagement*  
Faculty Mentor: Sonia Ulrich, Anthropology

**Nancy Sanchez,** Undergraduate  
*Ethical Issues Surrounding the Archaeological use of LiDAR Technology*  
Faculty Mentor: Kenneth Seligson, Anthropology

**Jean Pickard,** Undergraduate  
*Monterey Chert Trace Element Analysis: Source Provenance at The Palos Verdes Peninsula, Ca. – Proposal*  
Faculty Mentor: Jerry Moore, Anthropology

**Jean Pickard, Efrain Arroyo, Travis Gray, Jackeline Hernandez, Jennifer Marquez, Deborah Snook,** Undergraduate  
*Community Engagement Integration into Teaching and Research in Different Majors*  
Faculty Mentor: Sarah Taylor, Anthropology

**Juan Venegas,** Undergraduate  
*The Mexico Underground Railroad*  
Faculty Mentor: Miguel Gutierrez, Chicana/Chicano Studies

**Limor Henricka Vink, Nicole Figueroa-Sierra, Diorlene Arca, Denise Aguiluz, Bryan Almeida, Anita Kapila, Alicia Smith,** Graduate  
*What is Your Alcohol Recovery Language? A Mixed Methods Examination of Language Used by College Students to Describe Alcohol Recovery*  
Faculty Mentor: Kevin Montes, Psychology

**Nancy Sanchez, Rubin Landa, Edgar Godina, Jesus Galvan, Madison Medhat, Ariana Reyes, Angelica Alvarado,** Undergraduate  
*The Importance of GE Class Selection for the Community Engagement Minor*  
Faculty Mentor: Sarah R. Taylor, Anthropology

**Nicole Figueroa-Sierra, Martha Jimenez, Karla Pacheco, Marco Flores, Patricia Maya, Brian Juarez, Gerquetta Jackson,** Undergraduate  
*Researching Researchers: Reviewing Racial Disparities within Journal Editorial Boards*  
Faculty Mentor: Ashley Membere, Psychology

**Shaina Nguyen,** Undergraduate  
*Factors that Contribute to Success in Online College Courses*  
Faculty Mentor: L. Mark Carrier, Psychology

**Joseph Villarreal**, Graduate  
*The Neoliberal Mirage: How everyone was tricked into a System that has just Generated Inequality*  
Faculty Mentor: Esther Castillo, Sociology

**Yadira Ramirez, Gabrielle Makrdichian, Jael Castro, Nicole Figueroa, Melanie Gerner**, Undergraduate  
*www.Fakenews.You: Cognition's Influence On People's Reactions To False Internet Information*  
Faculty Mentor: Dr. Mark Carrier, Psychology

**Yesenia Gonzalez**, Undergraduate  
*Impacts of the COVID-19 Pandemic on Women and Men's Well-Being*  
Faculty Mentor: Giacomo Bono, Psychology

## Biological and Agricultural Sciences

**Albert Barrios, Michael Reed, Nataly Arias**, Undergraduate  
*Examining Genetic Signatures between Fast and Slow Growing Tumors in African American Triple Negative Breast Cancer*  
Faculty Mentor: Shehla Pervin, Biology

**Jose Garfias, Michael Reed, Nataly Arias, Albert Barrios**, Undergraduate  
*Increased Angiogenesis and Embryonic Stem Cell Signatures Contribute to Delayed Growth of MDA-MB-468 Xenografts*  
Faculty Mentor: Shehla Pervin, Biology

**Natalya Cardona, Miriam Weinberg, Ebonie Bennett**, Undergraduate  
*Identifying Novel Chemical Scaffolds from Marine Derived Fungi using Mass Spectroscopy based Molecular Networking.*  
Faculty Mentor: Erin McCauley, Chemistry

**Kelly Hendergart, Justin Elloran**, Graduate  
*The Relationship between Median Household Income and Average Yearly AQI in LA County*  
Faculty Mentor: Parveen Chhetri, Earth Science

**Alicia Salmeron**, Graduate  
*Infiltration Rates within Two Different Sites at CSUDH*  
Faculty Mentor: Kathryn Theiss, Biology

**Lari Smith**, Undergraduate  
*Identification of Marine Sponge Natural Products that Inhibit the Type III Inhibition System in Pathogenic Bacteria*  
Faculty Mentor: Erin McCauley, Chemistry

**Raul Gutierrez, Erik Martinez**, Undergraduate Students  
*Identifying Genes That Play a Role in Long-Term Stationary Phase*  
Faculty Mentor: Karin Kram, Biology

## Business, Economic, and Public Administration

**Sara Garcera**, Undergraduate  
*Handwritten Journaling, Creative Thinking, and Humanity*  
Faculty Mentor: Orié Berezan, Management & Marketing

**Jennifer Atenza, Miguel Espinoza, Jennifer Atenza, Genesis Lara, Johnathan Perez**, Undergraduate  
*Police and Community Relationships Post 2020*  
Faculty Mentor: Zheng Yang, Public Administration

**Heidi Hernandez Licon**, Graduate  
*The ACAB Movement and the LAPD*  
Faculty Mentor: Rui Sun, Public Administration

**Marcia Torres, Andrea Galindo, Adam Zamarripa, Keith O'Shea**, Undergraduate  
*Juvenile Delinquency in Los Angeles*  
Faculty Mentor: Zheng Yang, Public Administration

**Luis Ocon**, Undergraduate  
*An Analysis of Challenges Encountered in IS Development*  
Faculty Mentor: Myron Sheu, Information Systems and Operations Management

**Madison Reyna**, Graduate  
*Effects of COVID-19 on Student Needs and Learning*  
Faculty Mentor: Rama Malladi, Accounting, Finance and Economics

## Education

**Daisy Cruz Cervantes**, Graduate  
*Inclusion in Preschool: Using Embedded Instruction (EI) and Augmentative and Alternate Communication (ACC) to Teach Expressive and Receptive Language Skills to Preschool Children with Intellectual Disabilities*  
Faculty Mentor: Kai Greene, Special Education

**Leidy Camacho Solares**, Graduate  
*Perceptions and Opinions of LAUSD Teachers Working in a Preschool Collaborative Setting: The Effect it has on Classroom Instruction and Student Outcome Pre Pandemic and Post Pandemic.*  
Faculty Mentor: Kai Greene, Special Education

**Melanie Gerner**, Undergraduate  
*Reducing Invisible Equity Gaps to Increase Student Parent Persistence and Success*  
Faculty Mentor: Thomas Norman, Management & Marketing and Ana de la Serna, Communications

## Health, Nutrition, and Clinical Sciences

**Alex Perez**, Undergraduate  
*Mapping Accessible Shelters in LA County Using Geographic Information Systems (GIS)*  
Faculty Mentor: Parveen Chhetri, Earth Science

## Humanities and Letters

**Ev Campos Martinez**, Undergraduate  
*Understanding Butch Lesbian Culture: Are Butches A Dying Breed?*  
Faculty Mentor: Jennifer Brandt, Women Studies

**Melissa Rodriguez**, Undergraduate  
*Serial Killers and their Characteristics*  
Faculty Mentor: Zheng Yang, Public Administration

**Raquel Serrano**, Undergraduate  
*All Social, No Justice? A Feminist Critical Analysis of the Performativity of Social Justice via Instagram*  
Faculty Mentor: Jennifer Brandt, Women Studies

## Physical and Mathematical Sciences

**Allison Pary, David Saldana, Scarlett Zamora,**  
Graduate

*A Comparative Evaluation on the Performance of  
Food Waste Diversion at California State University  
Dominguez Hills*

Faculty Mentor: Justin Valliere, Biology

**German Bravo-Villasenor,** Graduate  
*Hexavalent Chromium Emissions and Sensitive  
Receptors in Los Angeles County*

Faculty Mentor: Parveen Kumar Chhetri,  
Earth Science

**German Bravo-Villasenor,** Graduate  
*Particulate Matter Distribution in Carson City*  
Faculty Mentor: Tianjun Lu, Earth Science

**Jason Williams,** Undergraduate  
*Identifying Novel Chemical Scaffolds that Exhibit  
Selective Cytotoxicity against Solid Tumor Cell Lines  
using Mass Spectroscopy Based Molecular  
Networking*

Faculty Mentor: Erin McCauley, Chemistry

**Karla Rubi, Yilda Echeverria Morales,**  
Undergraduate

*Investigating Triple String Societies in  
Approval Voting*

Faculty Mentor: Carolyn Yarnall, Mathematics

**Raju Bista,** Graduate  
*Are Tree Migrating Upslope in the Langtang  
National Park, Nepal?*

Faculty Mentor: Parveen K. Chhetri, Earth Science

**Valeria Arredondo,** Undergraduate  
*Discrete Approval Voting Models*

Faculty Mentor: Carolyn Yarnall, Mathematics

**Yilda Echeverria-Morales, Karla Rubi,**  
Undergraduate  
*Using Circular Societies to Model Scheduling  
Problems*

Faculty Mentor: Carolyn Yarnall, Mathematics

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