

SUBIR

Scholarly Undergraduate-Based
Interdisciplinary Research

Transforming

Our World Project

Team Members

Angela Chapman, Director, Engaged Scholarship & Learning

David Sadlier, Associate Director, Engaged Scholarship & Learning

Alyssa Cavazos, Associate Professor in Writing & Language Studies

Estela De La Garza, Program Coordinator, Engaged Scholarship & Learning

Cindy Marroquin Garza, Program Coordinator, Engaged Scholarship & Learning

Aaron Carrillo, Biomedical Science major

What is SUBIR?

The Scholarly Undergraduate-Based Interdisciplinary Research (SUBIR) expands on experiential learning opportunities for undergraduates at the University of Texas Rio Grande Valley (UTRGV) through the Office of Engaged Scholarship and Learning.

SUBIR engages students in undergraduate research, creative works, and community engagement initiatives.

SUBIR provides professional development for faculty to design course-based undergraduate research experiences for their students.

SUBIR

Scholarly Undergraduate-Base
Interdisciplinary Research



Angela Chapman



Estela De La Garza



Shizue Mito



sallysandoval



Alyssa Covares



Lila Cabrera



Betsy Berger



Tiaustin noum

Mute Stop Video

Participants Chat Share Screen Record Reactions

Activate Windows Go to Settings to activate Windows

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SUBIR: Professional Development for Faculty

Course-based Undergraduate Research Experiences

- Introduction to CUREs
- CUREs as a pedagogy
- Samples of CUREs across disciplines

Syllabus Development

- Identify benefits of undergraduate research for faculty and students
- Identify elements in syllabus to convey goals for undergraduate research

Syllabus Review

- Draft/revise elements of syllabus for undergraduate research
- Provide feedback to each other

CURE Integration

- Launch course in Summer 2020
- Launch Course in Fall 2020

Critical Reflection

- Share Successes & Challenges
- Provide student examples



Courses and Research Projects



ARTS 4388

- 17 Students, Product Design
- Interdisciplinary course between engineering, business and the Art Departments, total 85 students.

ARTS 4334

- 25 Students, Advanced Graphic Design
- Pro-Con poster project on a social cause conducting research and interviews to arrive at their position.

ARTS 3381

- 27 Students, Art Education: Theory & Background
- Design, make, curate, exhibit, and travel* a mobile art museum within the Rio Grande Valley community.

UTCH 3301

- 45 Students, Knowing and Learning
- Students are introduced to learning theories and conducted research on integrating into secondary math and science classrooms

CHEM 4309

- 12 Students, Organic Chemistry
- The major objective of this course is to understand how drugs chemically work in our body. Students research chemical structures of drugs and their interaction with our body including how to regulate our physiological functions.

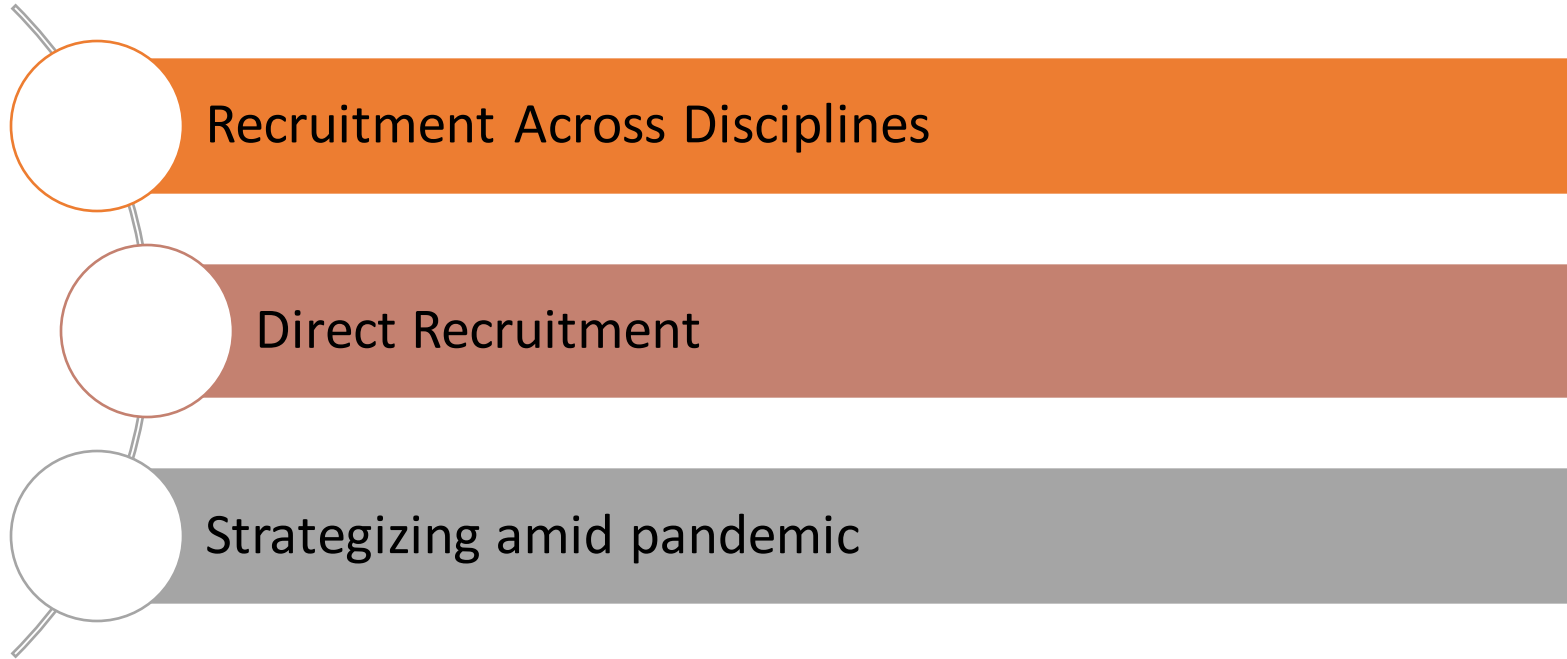
MUSI 1313

- 38 Students, Teaching Music in the Elementary School
- Research related to topics such as Arts Integration, Cultural Responsiveness, and teaching during the Pandemic.

Challenges



Program Challenges



Faculty Challenges



- It was really challenging to give feedback for each part of the research sections.
- Students needed more detail for the rubrics created. Next time, I will add more details to better address student concerns.
- I would plan more time for the research ... see statistically significant research in our findings.



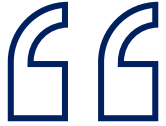
Program Successes



Program Successes



Faculty Successes



- Writing the literature review helped students learn how to organize themselves better and write more structured thoughts.
- This allowed the students to realize how everyone functions in a different environment and how dramatically & contrasting that can be to the students that they'll be teaching in the future.
- I believe the research component of this course contributed to the students' confidence. A few even applied for the Engaged Scholar Award to continue their scholarship.



NAMES

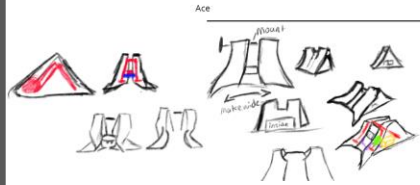
ECO RIDER ← Group Choice

ELECTRO RIDER

POWER RIDER

LIGHT RIDER

Product Design



LOGO IDEAS



Eddie



Ace

OUR TOP CHOICE



ARTS 4388 Product Design



MUSI 1313

Teaching Music in Elementary
“Pin on Plays Safe”

Using the familiar Mexican children's song, "Pin Pon," we wrote new verses and created videos to help children stay safe during the COVID 19 pandemic.

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