

2023 SVSU UGRP Showcase Program

April 21, 2023

Welcome | Malcolm Field Theatre

2:00pm – 2:15pm

Oral Presentations | C 220

2:30pm | SVSU Theatre at the Southeastern Theatre Conference

Zoe Gilbert, Brielle Myles-Williams, Alexandra Schultz, Trinity Caldwell

Faculty Mentor: Peggy Mead-Finizio

Theatre | Arts and Behavioral Sciences | SVSU Theatre Department

Travel/Cultural Experience

2:45pm | Disappearing Daycares: A Persuasive Speech

Nicole Rooseboom

Faculty Mentors: Dr. Ryan Rigda, Dr. Amy Pierce

Communication | Arts and Behavioral Sciences | Creative Arts

Creative Endeavor

3:00pm | The Story of the Caribbean Diaspora and Me

Isiah Sageman

Mentor: Dr. Kenneth Jolly

Black Studies | Arts & Behavioral Sciences | Black Studies

Research Activity

3:15pm | Seeing through Football: Crafting Tito's Yugoslavian Vision with Football

Garrett Lewis

Mentor: Dr. Nameeta Mathur

History | Arts and Behavioral Sciences | History

Research Activity

3:30pm | Collaboration that Support Student Success

Ashwin Mudaliyar, Shelby Czartoryski

Faculty Mentor: Elaine Hunyadi

Center for Academic Achievement | Health and Human Services | Nursing

Leadership

Panel Presentation | C 222

2:45pm – 3:45pm | More Than a Mother, Partner, or Friend; Recovering Black Women in the Black Liberation Movement

Symone Guy, Madalynn Paquette

Mentor: Dr. Kenneth Jolly

Black Studies | Arts and Behavioral Sciences | Black Studies
Research Activity

Panel Presentation | C 223

2:45pm – 3:45pm | Roberts-Gilbertson Fellowship 24th Class

Katey Taylor, Zakaria Abden, Brooke Clauss, Kelsey Davis, Tyler Heckroth, Emily Jaremba,
Pamela Madaha, Anna Peruski, Todd Graham, Elisabeth Wollenzin

Faculty Mentor: Dr. Julie Foss

Modern Foreign Languages | Arts and Behavioral Sciences | Roberts-Gilbertson Fellowship
Leadership

Panel Presentation | C 224

2:45pm – 3:45pm | The United States Institute for Theatre Technology Conference

Abigail Kuhns, Drea Brown, Lucas Inman, Alex Dubowski

Faculty Mentor: Peggy Mead-Finizio

Theatre | Arts and Behavioral Sciences | SVSU Theatre Department & SVSU Foundation
Creative Endeavor

Performance | Emeriti Room

3:00pm | Once My Husband

Evangeline Cruz

Faculty Mentor: Dr. Ryan Rigda & Dr. Amy Pierce

Communication | Arts and Behavioral Sciences | Competitive Speech Team
Research Activity

3:20pm | "So Speak"

Evangeline Cruz

Faculty Mentor: Dr. Ryan Rigda & Dr. Amy Pierce

Communication | Arts and Behavioral Sciences | Competitive Speech Team
Research Activity

Poster Presentation | Curtiss Hall – Upper Lobby

2:15pm – 3:45pm

1 | Analyzing Correlations between Pollen Surface Samples and Contemporary Climate Patterns

Colton Bragg

Faculty Mentor: Dr. Julie Commerford

Geography | Arts and Behavioral Sciences | UGRP

Research Activity

2 | Evaluating the Efficacy of Herbicide Application on Phragmites Australis in Crow Island State Game Area Using Pixel-Based and Object-Based Classification

Christopher Cady

Faculty Mentor: Dr. Rhett Mohler

Geography | Arts and Behavioral Sciences | UGRP & Ruth and Ted Braun Fellowship Program

Community Engagement

3 | Roberts-Gilbertson Fellowship: Clio M-Closet

Brooke Clauss, Zakaria Abden, Tyler Heckroth, Kelsey Davis, Emily Jaremba

Faculty Mentor: Dr. Julie Foss

Modern Foreign Languages | Arts and Behavioral Sciences | Roberts-Gilbertson Fellowship

Community Engagement

4 | Study of Personality and Relationships

Nicole Ehrhart

Faculty Mentor: Dr. Deborah Ward

Psychology | Arts and Behavioral Sciences | Honors Program

Research Activity

5 | Law Club Leadership: Enhancing the Pre-Law Experience

Toni Gjerka

Faculty Mentor: Dr. Julie Keil

Political Science | Arts and Behavioral Sciences | Pre-Law

Leadership

6 | Classifying Cattails in the Shiawassee Wildlife Refuge to Determine the Changes Needed to Create a Suitable Environment

Devin Howell

Faculty Mentor: Dr. Rhett Mohler

Geography | Arts and Behavioral Sciences | Geography Department

Research Activity

7 | Existence is Subjective: Exploring the role of belief systems in existential dread

Kaitrin Kraly, Stephanie Wisniewski, Travis Faustin

Faculty Mentor: Dr. Travis Pashak

Psychology | Arts and Behavioral Sciences | UGRP

Research Activity

8 | Writing Processes in the Real World of Distractions

Karasyn Kraska, Cambria Ball, Hunter Grunwell

Faculty Mentor: Dr. Julie Lynch

Psychology | Arts and Behavioral Sciences | UGRP

Research Activity

9 | Victim Services Units

Hope Kuenker, Elaine Curtis

Faculty Mentor: Dr. James Bowers

Criminal Justice | Arts and Behavioral Sciences | UGRP

Research Activity

10 | Comparing and Contrasting Water Access between a Rural and Urban region in Tanzania

Pamela Madaha

Faculty Mentor: Dr. Sara Beth Keough and Dr. Rhett Mohler

Geography | Arts and Behavioral Sciences | UGRP

Research Activity

11 | Using Drone Imagery to Identify Herbaceous Plants to the Species Level

Haley Mueller

Faculty Mentor: Dr. Rhett Mohler

Geography | Arts and Behavioral Sciences | UGRP

Research Activity

12 | India and Pakistan and the Disputed Region of Kashmir

Diva Patel

Faculty Mentor: Dr. Julie Keil

Political Science | Arts and Behavioral Sciences | UGRP

Research Activity

13 | Land Vacancy Assessment in the Cathedral District of Saginaw, MI

Amanda Willhite, Pamela Madaha

Faculty Mentor: Dr. Evelyn Ravuri

Geography | Arts and Behavioral Sciences | GEOG 499

Research Activity

14 | Athletic Motor Skill Competency: Teaching Strategies, Assessment Criteria, Training Progressions, and Practical Applications for the Hip Hinge

Kaitlyn Ill

Faculty Mentor: Dr. Merrick Lincoln

Kinesiology | Health and Human Services | Independent Study

Research Activity

15 | Sports Nutrition Knowledge and Status of NCAA Division II Athletes

Elizabeth Newcomb-Yi

Faculty Mentor: Dr. Rachel Darr

Kinesiology | Health and Human Services | Honors Program

Research Activity

16 | A neuromuscular training program performed on foam is accompanied by improved balance and jump height in recreational runners.

Katie Nixon, Jerry Delgado, Tyler Dallas, Carson Birchmeier, Cameron Franz

Faculty Mentor: Dr. Merrick Lincoln

Exercise Science | Health and Human Services | UGRP

Research Activity

17 | Stewards for Children Training Program

Anna Peruski

Faculty Mentor: Dr. Julie Foss

Roberts-Gilbertson Fellowship | Health and Human Services | Roberts-Gilbertson Fellows

Community Engagement

18 | Exploring an application of Hall effect sensor for tactile and non-tactile use.

Abdullah Almohsin

Faculty Mentor: Dr. Mohammad Khan

Electrical Engineering | Science, Engineering, & Technology | UGRP

Research Activity

19 | Functionalized cellulose filtration of DEHP found in intravenous medication administration sets.

Elizabeth Bennett

Faculty Mentor: Dr. Michael Coote

Chemistry | Science, Engineering, & Technology | UGRP

Research Activity

20 | The effect of flooding duration on aerenchyma formation in winter wheat roots.

Joshua Brandel

Faculty Mentor: Dr. Brian Maricle

Biology | Science, Engineering, & Technology | UGRP

Research Activity

21 | Analysis of Team Composition in Agent-Based Network Attack Model

Tristan Calay, Jacques Abdo, Basheer Qolomany

Faculty Mentor: Dr. Aos Mulahuwaish

Computer Science and Information Systems | Science, Engineering, & Technology | UGRP
Research Activity

22 | The effect of temperature on growth and chlorophyll in warm-season and cool-season crops.

Julieann Campbell

Faculty Mentor: Dr. Brian Maricle

Biology | Science, Engineering, & Technology | UGRP
Research Activity

23 | Performance Enhancement of Two-Stage EHD Gas Pump in a Rectangular Channel

Matteo Capotosti, Zack Dollman, Noah Drummond

Faculty Mentor: Dr. Monayem Mazumder

Mechanical Engineering | Science, Engineering, & Technology | UGRP
Research Activity

24 | Quantitative Analysis of Biochar Removal Efficiency of Selective Antibiotics in Aqueous Solution

Warren Jacobs, Peyton Long

Faculty Mentor: Dr. Adam Warhausen

Chemistry | Science, Engineering, & Technology | UGRP
Research Activity

25 | Synthesis, characterization, and electrochemical analysis of synthetic biomolecule models containing ruthenium with hydroxamate and/or nitrosyl ligands.

Emily Jaremba, Alexis Glumm

Faculty Mentor: Dr. Adam Warhausen

Chemistry | Science, Engineering, & Technology | UGRP
Research Activity

26 | Mannose-Based Synthesis of Sialic Acid Analogs for Respiratory Treatments

Devin Neumann

Faculty Mentor: Dr. Jennifer Chaytor

Chemistry | Science, Engineering, & Technology | Honors and UGRP
Research Activity

27 | Balancing Privacy and Insight: Split Learning in Modern Healthcare Systems

Manish Osti

Faculty Mentor: Dr. Aos Mulahuwaish

Computer Science | Science, Engineering, & Technology | UGRP
Research Activity

28 | Anti-Spoofing for Single-Antenna Devices using Rotational Channel State Information

Manish Osti, Mason Strawn, Tyler Moody

Faculty Mentor: Dr. Avishek Mukherjee

Computer Science | Science, Engineering, & Technology | UGRP

Research Activity

29 | Effects of watering treatments on growth and development of important crop species.

Tori Ott, Sarah Veale

Faculty Mentor: Dr. Brian Maricle

Biology | Science, Engineering, & Technology | UGRP

Research Activity

30 | Effects of Accelerated Weathering on the Properties of Additively Manufactured Polyethylene Terephthalate Glycol Components

Rawly Scarmeas

Faculty Mentor: Dr. Peggy Jones

Mechanical Engineering | Science, Engineering, & Technology | Honors and UGRP

Research Activity

31 | Evaluating the Accuracy and Effectiveness of Transcribed Chemistry Videos and Geography Videos

Megan Schwartz

Faculty Mentor: Dr. Jennifer Chaytor

Chemistry | Science, Engineering, & Technology | Honors Program

Research Activity

32 | Eye diagram and failure of interconnect in microstrip transmission line.

Flora Szklenar, Gavin Zimmer

Faculty Mentor: Dr. Mohammad Khan

Electrical Engineering | Science, Engineering, & Technology | UGRP

Research Activity

33 | The effects of drought and intraspecific competition on the development and growth of corn.

Sarah Veale, Tori Ott

Faculty Mentor: Dr. Brian Maricle

Biology | Science, Engineering, & Technology | UGRP

Research Activity