

**8<sup>th</sup> Annual  
Student Research Symposium**



*An interdisciplinary  
meeting of the minds*

**May 16, 2017**



## About the Symposium



**Woodland Community College's Student Research Symposium** is organized every spring to highlight the diverse research interests of our students. The student research featured in the symposium includes both primary and secondary research in the social sciences, natural sciences, and humanities.

The symposium also features the pilot study results of original research proposals by the students in **WCC's social science research method courses**. Students in these courses design research projects and collect data using experiments, surveys, interviews, and content analysis. They will use their pilot study findings to create research proposals that they can use to complete a senior honors thesis at a four-year institution.

Presentations are organized by the course for which the research was conducted.



## ***Ink, A Literary Arts Magazine***

Prof. Kevin Ferns

*Ink* is a collection of student-created art, fiction, and poetry composed by Woodland Community College students for Woodland Community College and the greater community.

Student Editors:

**Ian Chamberlain**

**Marcos Estrada**

**Timothy Fries**

**Alexis Ornelas**

**Nik Wood**

To learn more about *Ink* or to make a donation, please visit <http://ink.yccd.edu>. Stop by the *Ink* table during the symposium to make a donation and obtain a copy!

## **The Demeter Project (Primary Research)**

Prof. Shawn Lanier

WCC MESA students received funding by the California Space Grant Consortium to conduct research using drone remote data collection techniques on crops planted by the WCC Agriculture department.

**Gustavo S. Perez** (Editor in Chief)

**Eduardo Garcia, Nereida Robles** (Aerodynamics)

**Bernald Stanhope, Gia Hanif, Sulema Tamayo** (Electrical)

**Brandon Baeza** (Project Lead)

**Lucas Talbott** (Mechanic lead)

**David Haddad** (Software lead)

**Faiza Muzammil, Chris Campaigne, Raul Gil, Lesley Almodobar** (Finance)

## **AG 45L - Principles of Animal Science (Secondary Research)**

Prof. Brandi Asmus

### **Aquaponics systems**

Nicole Rojas

### **Banding vs. cutting**

Blake Atkinson

### **Beak trimming in poultry production**

Eddie Pineda

### **Do you know what cage free and free range actually mean?**

Karina Roque

### **Farrowing crates in swine production**

Ashley Dowden

### **PMU Industry**

Allison Cofield

## **BIOL 1 - Principles of Biology (Primary Research)**

Prof. Brian Gillespie

### **Effect of UV radiation on *saccharomyces cerevisiae***

Matthew Featherstone, Vivian Hu, Sofia Lopez, Maddy Marquez

### **How different beverages affect yeast growth**

Paulina Cobian

### **How does pH influence yeast production rate?**

Erica Ruiz

### **How many people can the Earth support?**

Halima Bath, Karina Martinez, Dilraj Chauhan

### **Life in color**

Muhammad Ahmed, Denali Martinez, Harkaran Notra

### **The effect of yeast on growth of a pea plant**

Mariana Bermudez, Graciela Villalvazo, Ron Monteforte

### **The least you could do for your yeast**

Hope Leng, Xitlalitl Abonce, Guadalupe Gutierrez Gomez, Mariesa Cramer

## **BIOL 3 - General Botany (Primary Research)**

Prof. Brian Gillespie

**Can tomato plants grow faster if given earthworms?**

Carina Jauregui

**The effect of nitrogen- and phosphorous-based fertilizers on *Solanum lycopersicum* (tomato plant) growth**

Jashanpreet Khaira

**The effects of coffee on plant growth**

Jessica Sepulveda

**The effects of household cleaners on *Solanum lycopersicum* plant growth and health**

Harkirat Bhangu

**The effects of nitrogen vs. potassium concentrated fertilizers on the growth and development of *Solanum lycopersicum* (tomato) plants**

Ajay Chohan

## **BIOL 6 – Microbiology (Secondary Research)**

Prof. Ralph Robinson

**Fatal Familial Insomnia**

Lilian Marquez

**Hand, Foot and Mouth Disease (HFMD)**

Keisha Reneau Kaywood

**Malaria**

Julieta Vyfhuis

**Measles (Rubeola)**

Maria Fonseca-Trejo

**Mumps**

Blanchette Narvaez

**Rabies**

Margaret Solis

**Scarlet Fever**

Kathlyn Saalwaechter

**Typhoid Fever**

Jessica Nicholi

## **ENGL 1A – College Composition and Reading (Secondary Research)**

Prof. Noel Bruening

### **Driving Miss Daisy... Under the influence of love**

Adrian Paredes, Oriana Danielson

### **Flappers and *The Great Gatsby***

Phuthisorn Paiboonsriwattana, Fabiola Silva

### ***Gatsby* and WWI**

Miriam Juarez Negrete

### **The Jazz Age and its influence on *The Great Gatsby***

Kyunghee Kim

### **The Roaring Twenties connection to *The Great Gatsby***

Gurtaj Grewal

### **World War I**

Tafesse Tadesse

### **World War I and *The Great Gatsby***

Juan Huerta, Alfredo Tamayo

## **ENGL 51 – Preparatory Composition & Reading (Secondary Research)**

Prof. Noel Bruening

### **Atomic bomb on Hiroshima**

Vanessa Fuentes

### **Pearl Harbor**

Hillary Ross

### **Racism still exists today**

Ahmad Hassan

### **The explosive truth**

Rocio Magana

### **The sad truth of Pearl Harbor**

Lucy Renteria

### **World War II and the life of Japanese-Americans during the War**

Julio Huerta

### **WWII Japanese internment camps**

Miguel Gomez

## **PSYCH 7 - Research Methods in Psychology (Primary Research)**

Prof. Alison Buckley

### **Adult children of divorce**

Gabriella Rubio

### **Cars and arousal**

Tyler Morley

### **Correlation between stress relief and dogs**

Hannah Sheets

### **Diabetes: The distress after diagnosis**

Maria Garcia

### **Gender bias based on gender grouping**

Ashley Willis

### **Marriage now and the traditional views**

Daniela Palma

### **Music and stress**

Simranjot Nijjar

### **Parenting effects**

Ramona Toro

### **Political awareness: Traditional and new media**

Sandeep Kaur

### **Psychological explanations for the persistence of racism**

Debra Davis

### **Self-awareness and the Barnum Effect**

Annah Webb

### **Smartphone addiction**

Omar Portillo

### **Social media in relationships**

Monica Valdez

### **Stress-relieving dogs**

Stefanie Santos, Ethel Campaigne, Victoria Contreras

### **Text communication gender differences within friendship dyads**

Wendy Brooks

*Continued on next page...*



## **PSYCH 7 - Research Methods in Psychology - Continued**

Prof. Alison Buckley

**The effect of self-efficacy on one-rep max achievement in the snatch**

Ariana Vega

**The effect of tattoos on perception**

Paola Torres

**The relationship between social media and political polarization**

Juan Gomez

**Women's confidence in mixed gym vs. single-sex gym**

Tania Gomez, Alondra Escobedo

**Work satisfaction: Do our co-workers affect it?**

Celeste Gauna

## **SOCIL 2 – Social Problems (Secondary Research)**

Prof. Nili Kirschner

**Inequality and healthcare**

Jaskamalpreet Mann, Ruthie Fields, Angel Barba

**Politics - a social problem?**

Alisandra Valero, Belen Alcantar, Sara Diaz, Karina Lopez, Connor Sutliff

**Sociological perspective on education reform**

Maggie Zamora, Rose Brewer, Lucy Bell, Amber Sorenson, Victoria Young, Yumy Espinoza

**The truth behind environmental issues: A sociological perspective**

Jessica Godinez, Seleina Gutierrez, Alejandra Rivera, Cristian Salazar

## **SOCIL 6 – Sociology of Sex and Gender (Primary Research)**

Prof. Nili Kirschner

### **Gender inequalities in sports**

Corrie Taylor

### **Reading cards with a sociological imagination**

Belen Alcantar, Julio Huerta, Alexis Juarez, Cheyenne Mitchell, Christian Uribe

### **Toys and messaging: The sociological influences of mass marketing to children**

Marina Delgado, Jake McCollum, Gina Perkins, Brenda Sotelo, Stacey Truitt

## **SOCIL 8 – Social Science Research Methods (Primary Research)**

Prof. Nili Kirschner

### **Bathroom bureaucracy & troubling space: Attitudes about public, multi-stalled, unisex restrooms**

Breeann James

### **Effects of housing insecurity on community college students: A qualitative pilot study**

Lawrence Rirao

### **Fostering success: How California community colleges help foster youth succeed**

Alexandria J. Harder

### **How class impacts parents' definitions of success for their children**

Juan Landeros-Mireles

### **Impact of Americanization on importance attached to dreams for Iranian-Americans**

Yasmin Haddadi

### **Promoting personal growth: Benefits & barriers to student participation in TRiO**

Arely Juarez

### **Nationalism or patriotism: 2016 voting behavior and attitudes towards patriotism**

Kane Chiu

### **“We need a real n\*\*\*a up in that office”: The politicization and popularity of Hip-Hop during Obama's administration**

Andrew Mendoza

## **SPECH 6 – Small Group Communication (Secondary Research)**

Prof. Christopher Howerton

**An investigation of how captivity affects animals: Using the standard agenda to guide a force-field analysis**

Amara Aziz, Tania Gomez, Jasmin Moreno, Erlina Munoz

**Childhood obesity: A group analysis using the standard agenda decision-making process**

Marco Gamino, Mia Jackson, Isabella Jang, Aracely Martinez, Makayla Shera, Arashpreet Singh

**Cost of higher education in the USA: Results of a group decision-making process as guided by the standard agenda method**

Gilberto Aldecua-Felan, Valentin Duran, Ahmad Hassan, Oscar Macias, Eric Martinez, Noe Rincon

**Examining the gains and losses of supplement use: A standard agenda discussion**

Anthony Garcia, Dorian Moreno, Alex Tejeda, Manuel Tzuc, Ricardo Villegas

**Using the standard agenda group decision-making model to examine 'fake news'**

Angeli Flores, Harkaran Notra, Cecilia Rodriguez, Zahra Sharifi, Jared Todorovic

## **SPECH 6 – Small Group Communication (Secondary Research)**

Prof. Nicholas Turney

**Class expansion**

Alejandra Munguia, Daizee Dolores, Jose Alcaraz, Eric Mendoza

**Crime and incarceration**

Nathan Saugstad, Yohan Sahabandu, Ryan Jones, Asad Ahmad

**Education near and far**

Stephanie Karns, Adriana Saavedra, Gissell Pina, Dennis Garcia

**Investing in education: California's low and unstable K-12 education funding**

Eduardo Estrada, Cristian Lopez, Federico Chavez, Rogelio Lopez

**Obesity in California**

Kasie Choate, Trisha Thompson, Danielle Grossman

**Why tuition fees rise, as students' chances fall**

Jonathan Anguiano, Humberto Lievanos, Salvador Negrete, Gerado Cisneros

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For additional information about the student research symposium,  
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or visit <https://wcc.yccd.edu/campus/symposium/>