10th Annual
Student Research Symposium

An interdisciplinary meeting of the minds

May 9, 2019
About the Symposium

Woodland Community College’s Student Research Symposium is hosted every spring to highlight the diverse research interests of our students. Now in its tenth year, the symposium has grown so much that we had to split into a separate Humanities Expo to feature all the student work at WCC!

The symposium features research in the natural and social sciences using a variety of research methodologies:

➢ Students conducting **primary research** collect original data through experiments, qualitative interviews, or surveys.

➢ Students conducting **secondary research** are synthesizing or analyzing existing information or sources.

Research projects are organized by the type of research and the course for which the research was conducted. To learn more about these courses, see WCC’s Course Catalog.
BIOL 3 - General Botany (Primary Research)
Prof. Brian Gillespie

Effects of Household Cleaners on Tomato Plant Growth
Ajay Bassi

Effects of pH on Tomato Growth
Arzo Zazai, Rohini Sharma

Effects of Sugar on Tomato Plants
Shan Pegany, Bhupinder Singh

How colors affect plant growth: Effect of phytochroms and cryptochromes
Shannon Fu

PLSCI 20L – Principles of Plant Science (Primary Research)
Prof. Candice Stafford-Banks

From Waste to Gold
Andy Enriquez, Jacob Delgado Ramirez, Mason Blackman

Grafting Experiment
Armando Anaya, Dulce Ordaz, Claudia Sigala

I herb you wanted to know: Do herbs grow better with traditional gardening or in a hydroponics system?
Jocelyne Sepulveda, Kendra Atkinson, Jaimie Nino, Isaac Villalobos

Survival of the fertilizer: Can a fertilizer affect plant growth?
Kenia Hernandez, Galilea Lopez, Diego Obregon, Ibeth Ramos

To amend or not to amend?
Lillian Minyard, Nereida Cervantes, Tiffany Korn

What are your plants thirsting for?
Tristan Grooman, Claudia Barajas, Elijah Garcia, Paula Johnston

What soil works best for a pork n bean?
Kristina Fink, Angelina Montejano Villa, Lilliana Magallon
Compassion Levels in PTSD
Marcos Estrada, Salvador Linares, Carter Hathaway

Gaydar... Is it real?
Rachel Gordon, Sabrina Whitney, Devin Land

Have you ever been in a toxic relationship?
Fabiola Hernandez, Nayeli Hernandez

Marijuana Consumption and Academic Success
Catherine Diaz, Daniela Chavez, Nancy Luna

Marital Status and its Imprint
Kayla Sanders, Miriam Juarez Negrete, Liliana Hernandez

Nutritional Manipulation with College Students
Amaray Bair, Alisha Reyes, Soledad Hernandez

Racial Bias on Attraction
Sabrina Marchand, Ashley Raybould, Sean Mazeres, Jonathan Anguiano

Relationship Satisfaction within Extroverts/Introverts
Andrea Solano, Adriana Arrezola, Carmen Marquez-Quintana

Social Media and News Awareness
Kenia Torres, Juan Guzman, Emilio Barba, Alejandra Munguia

Social Media’s Effects on Self-Esteem
Eric Sutton, Paula Castillo, Olga Novoa Cipriani, Jordan Raymar

Stress in First-Generation and Non-First Generation College Students
Alejandra Alcantar, Monica Villalobos, Cody McCallum

The Differences Between Professors
Valeria Salcedo, Gaby Gaspar, Humberto Garibay

A Study on Exercise and Cognition
Courtney Akey, Christian Torres, Daniela Martinez
Exploring involvement of single mothers in their children's education: A qualitative study
    Lacey Budwiser

Fathers' responses to popular media representations of fatherhood: The good, the bad, and the stupid
    Rigo Tovar

First generation Latino students' experiences of EOP&S: A pilot study
    David Ortega

"I don't need a stranger's approval": Millennials' perceptions of social media
    Savanah Greenwood

Implicit racial bias in public response to police action: A pilot survey
    Benjamin Gore

Influence of parents' background on preschool teachers' behavioral intervention: A pilot study
    Katherine Hall

‘Just whistle’: An analysis of stereotypically gendered advertisements
    Elizabeth Vidales

Man vs. Machine: Individual attitudes towards Artificial Intelligence
    Muhammad Ahmed

One step forward, two steps back: The struggles of single moms in community college
    Sara Diaz

The white awakening: How ethnic studies fosters color consciousness in white college students
    Curtis Hoyt

Trusting the force: Community policing and attitudes towards law enforcement
    Namra (Nim) Sohail
AG 45 - Principles of Animal Science (Secondary Research)
Prof. Brandi Asmus

Beef Cattle: Grass Fed vs. Grain Fed
Jonathan Rodriguez

Dehorning in Cattle
Gustavo Paiz

Should genetically modified foods be specifically labeled?
Adam Yandel

The Truth about Hormone Additives
Kendra Atkinson

BIOL 5 – Human Physiology (Secondary Research)
Prof. Jaya Shah

Anxiety
Navroop Jhutty

Fibromyalgia
Cody Schmidthans

BIOL 6 – Introductory Microbiology (Secondary Research)
Prof. Ralph Robinson

African trypanosomiasis
Miriam Juarez Negrete

Coccidiomycosis
Yolanda Rocha

Creutzfeldt-Jakob Disease
Carmen Ramirez

Ebola Hemorrhagic Fever
Cynthia Kouao

Kuru, "The Laughing Sickness"
Paige Nguyen

SARS
Kris Paiboonsriiwattana
ETHN 6 – History of Race and Ethnicity in America (Secondary Research)
Prof. Melissa Moreno

D-Q University, What Happened?
   Gabriela Rodriguez, Jennifer Bocanegra

Representation of UC Davis Pepper spray incident before and after the settlement
   Marissa Espino, Tristan Grooman, Diego Barajas, Ahiram Triana, Feryn Saavedra

Media Representation on the 1983 Murder of Thony Hy Huynh
   Daniela Chavez, Alexis Olmedo

National and Local Reporting on Anti-Semitism on College Campuses
   Shelby Witten

One Health Center
   Crystal Godoy

The Bracero Program
   Ron Hayes, Edgar Sanchez, Tristan Williams

UC Davis Pepper Spray
   Valeria Salcedo, Isabel Barba

UC Davis Pepper Spray Incident
   Nayeli Hernandez, Amy stone, Krystal Chavez, Adrian Munoz

UC Davis Pepper Spray Incident of 2011
   Julia Cote

Who was here? Understanding Yolo county's changing racial demographics
   Shabnum Nowreen, Emily Henderson, Alexis Savala

SOCIL 2 – Social Problems (Secondary Research)
Prof. Nili Kirschner

A Sociological Perspective on Education
   Maria Isabel Romo, Jenifer Kuznik, Maria Ruiz, Linh Van, Sydney Hill, Emma Leahy

Healthcare as a Social Problem
   Lizette Valdovinos, Jonathan Thompson, Nuria MoranAlonso

Prison Reform
   Diana Salazar, Liza Solano, Maya Valenzuela, Nim Sohail, Kevin Chavez
The 10th Annual Student Research Symposium is dedicated to the memory of Angela Cannon (1981-2019), shown here presenting her research at the 2013 symposium.

Angela graduated from WCC and UC Davis with degrees in sociology, and was pursuing her master’s in social work at Chico State. Angela was dedicated to making the world a better place, and serves as an inspiration to all who had the privilege of knowing her.

With thanks for the additional support provided by:

Gema Diaz, Office of Instruction
Edwin Ortega Beltrán, Office of the President
Ana Villagrana, Office of the President
WCC Student Success Center & Makerspace

For additional information about the student research symposium, contact Professor Nili Kirschner (nili.kirschner@yccd.edu) or visit https://wcc.yccd.edu/campus/symposium/