

| Student Name | Instructor Name | Department | College | Title |
|---------------------|------------------------------------|--|----------------|---|
| Michael Adam | Gregory Kriehn | Electrical & Computer Engineering | LCOE | Additional reasearch to accompany ECE 124 Signal & Systems |
| Neama Alamri | Samina Najmi | English | AH | Empathy in South Asian and Arab American Literature |
| Sara Alatorre | Anil Shrestha | Plant Science | JCAST | Efficacy of Recycles Paper Mulch for Weed Control in Berries |
| Ibraheem Ali | Paul Crosbie | Biology | SM | Phylogenetics of Bedbugs in the Fresno Metropolitan Area |
| Kristen Andreasen | Paul Crosbie | Biology | SM | Nanodetection of Heartworm using FRET |
| Narine Arakelyan | Santanu Maitra | Chemistry | SM | Synthesis, Characterization, & Use of Chiral Ferrocenyl P-N Catalysts |
| Deanna Arsala | James Prince | Biology | SM | A Candidate Gene Strategy to Identify Resistance Genes in Pepper to Phytophthora Capsici |
| Fatima Ashaq | Henry Delcore | Anthropology | SS | Supplementing International Students Data from India with an Ethnographic study of California State University, Fresno International Students |
| Kathryn Barretto | Mamta Rawat | Biology | SM | Thiols are Involved in Protection Against Metal Stress |
| Alyssa Bautista | James Prince | Biology | SS | Identifying Resistance Genes in Pepper to Phytophthora capsici |
| Robert Benjamin | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry , Plant Science | LCOE | Microgravity University Flight Program |
| Nuvia Bernal | Lorin Lachs | Psychology | SM | Stretching Working |

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| | | | | Memory in SLI students |
| April Booth | Jai-Pil Choi & Alejandro Calderon-Urrea | Chemistry & Biology | SM | Plasmon-enhanced growth of <i>Dunaliella primolecta</i> and <i>Neochloris oleoabundans</i> in miniphotobioreactors |
| Michelle Boyce | Santanu Maitra | Chemistry | SM | Synthesis, Characterization, & Mechanistic Study of Isoprene Nitrate Aldehyde |
| Karen Callahan | Tamas Forgacs & Oscar Vega | Mathematics | SM | Winning Strategies for the Game of Nim on Various Types of Boards |
| Adam Cardenas | Shih-His "Alex" Liu | Computer Science | SM | Design Patterns for the Evolution and Extension of Compiler-Interpreter based Domain Specific Languages |
| Robert Ceja | Daming Zhang | Industrial Technology | JCAST | Self Contained Waste Vegetable Oil Rendering System |
| Ryan Chaney | Daming Zhang | Industrial Technology | JCAST | Converting Diesel Engine to Run on Waste Vegetable Oil |
| Simarjot Chehal | Jason Bush | Biology | SM | Defining Stem Cell Markers in Pancreatic Cancer Cells |
| Bryndahl Childers | Martha Vungkhanching | Social Work | HHS | Assessing Social Work Student' Attitudes about Sexuality and Their Perceived Preparedness to Address Such Topics in Social Work Practice |
| Kayla Clark | Elizabeth Payne | Theatre Arts | AH | Vintage Costume Preservation & Catalog |
| Jose Correa | Ming Xiao, Joy | Civil | SM,JCAST | Microgravity |

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| | Goto, John Bushoven | Engineering, Chemistry, Plant Science | | University Flight Program |
| Kenya Covarrubias | Jason Bush | Biology | SM | Zometa as an Anti- Angiogenic Drug for the Treatment of Cancer |
| Jacquelin Curry | J. Andrew Hansz | Finance & Business Law/Gazarian Real Estate Center | CSB | Valuation Impact of Consumer Litigation on Fresno Residential Transaction |
| Hannah Dahlgren | Gregory Kriehn | Electrical & Computer Engineering | LCOE | Using TIMS System to Research Fourier Series |
| Shereen Dimes | Joy Goto | Chemistry | SM | The Effects of Manganese Toxicity on Motor Activity in Drosophila melanogaster |
| Shayla Duran | Mamta Rawat | Biology | SM | S-Transferases From Bacteria |
| Riann Egusquiza | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry, Plant Science | SM,JCAST | Microgravity University Flight Program |
| Michael Farner | Christopher Pluhar | Earth & Environmental Sciences | SM | Determining Deformation and Rotation in the Walker Lane, California |
| Ryan Fukuda | Pei-Chun Ho | Physics | SM | Construction and Testing of a 1st Order Magnetic Susceptometer |
| Javier Garcia | Alice Wright | Biology | SM | Optimizing degradation of Chloropicrin by bacteria |
| Robert Granata | Santanu Maitra | Chemistry | SM | Synthesis and Biological Assay of New Classes of ApoE Modulators |
| Paola Guerrero | Janet Slagter | Women's | SS | Ingenious |

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| | | Studies | | Organizational Strategies for Clean, Inhabitable Environments of Women Living in Latin America and Lessons that can be Learned by Women Organizers in the Central Valley |
| Alexander Guzzetta | Krish Krishnan & Alejandro Calderon-Urrea | Chemistry & Biology | SM | Identification of Developmental Biomarkers in the Algae <i>Dunaliella primolecta</i> using NMR-Based Metabolomics |
| Natalie Hamill | Mamta Rawat | Biology | SM | Isolation of Genes Coding for Bacillithiol from <i>Myxococcus Xanthus</i> |
| Walid Hamud | Jason Bush | Biology | SM | Cell Death Profiles in Metastatic Breast Cancer Cells After Drug Treatment |
| Jennifer Harmon | Krish Krishnan | Chemistry | SM | The Effects of Monovalent Salts on the Structure and Thermal Hysteresis of Antifreeze Glycoproteins |
| Kelley Harrison | Christine Edmondson | Psychology | SM | The Analysis of the Effects of Deep Breathing on Anger and Task Persistence |
| Emily Hernandez | John Beynon | English | AH | GLBT Anthropology |
| Audra Iness | Alice Wright | Biology | SM | Genetic Factors in Pesticide-Degrading Bacteria |
| Shelby Jones | Christopher Pluhar | Earth & Environmental Sciences | SM | GIS Compilation of Spatial Data for Stanislaus Group, California |
| Alexandra Karas | Peter English | Criminology | SS | Efficacy of the Fresno |

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| | | | | County Superior Court's Behavioral Health Court |
| Nicole Kimura | Paul Price | Psychology | SM | Sample Size Bias in Judgments of Averages |
| Brad Kroeker | Joy Goto | Chemistry | SM | Manganese transport and accumulation in <i>Drosophila melanogaster</i> |
| Pao Kue | Henry Delcore | Anthropology | SS | Fulton Mall Pedestrian Count |
| Megha Kumar | Jason Bush | Biology | SM | Optimizing a Differentiation Strategy for Generation ff Embryonic Stem Cell-Derived Cardiomyocytes |
| Megan Kunelli | Oscar Vega | Mathematics | SM | Well-Covered Dimensions of Graphs |
| Alexandra Larralde | Sean Alley | Economics | SS | The High Speed Railway & Agricultural Real Estate in the Central Valley |
| Gonzalo Leyva | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry, Plant Science | SM,JCAST | Microgravity University Flight Program |
| Jared Little | Bruce Roberts | Plant Science | JCAST | Salinity Tolerance in Recreational & Ornamental Turfgrass |
| Katrina Maria | Anil Shrestha | Plant Science | JCAST | Effects of Global Climate Change (CO ₂ Elevation) on the Invasiveness of Giant Reed (<i>Arundo donax</i>) |
| Robyn McDonald | Oscar Vega | Mathematics | SM | Well-Covered Dimensions of Graphs |
| Lana McGinnis | Joy Goto | Chemistry | SM | The Effects of Manganese on Dopaminergic Neurons in the <i>Drosophila Melanogaster</i> |
| Lauren Mead | Elizabeth Payne | Theatre Arts | AH | Vintage Costume Preservation & |

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| | | | | Catalog |
| Sheri Melkonian | Bruce Roberts | Plant Science | JCAST | Determining the Abundance of Pine Bluegrass on the San Joaquin Experimental Range |
| Alyssa Miller | Mamta Rawat | Biology | SM | Blue Pigmented Soil Strains |
| Jasmine Mohsin | Gregory Thatcher | Public Health | HHS | Determining Effectiveness of the Fresno State FREAKS (Finding Responsible and Entertaining Activities on KamuS) program |
| David Moreno | John Bushoven | Plant Science | JCAST | Micropropagation of Douglas-Fir (<i>Pseudotsuga menziesii</i>) by thin-cell-layer culture using cotyledon, epicotyls, hypocotyls and roots. |
| Andres Nevarez | Hwan Youn | Biology | SM | A new scheme of DNA microarray analysis |
| Thomas Nichols | Charles Tenney | Physics | SM | Investigation of Slit-Slat Collimator Designs for Nuclear Breast Imaging |
| Kelsey Oliver | Elizabeth Payne | Theatre Arts | AH | Vintage Costume Preservation & Catalog |
| Ruzan Orkusyan | Mamta Rawat | Biology | SM | Mycobacterium Smegmatis Sensitivity to the Thiol Oxidizer Diamide and the Toxic Dye Malachite Green |
| Samuel Owen | Michael Becker | Political Science | SS | Modern American Consumerism and the Evolution of "The Spectacle" |
| Jamie Peabody | Tamas Forgacs & Oscar Vega | Mathematics | SM | Winning Strategies for the Game of Nim on Various Types of Boards |
| Shelby Pereira | Glenn Devoogd | Literacy & Early Education | KSOEHD | Bibliotherapy in Psycho-social |

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| | | | | Development of Primary School Children |
| Keri Ponce | David Andrews & Alejandro Calderon-Urrea | Biology | SM | Effectiveness of Chalcones On Plant Parasitic Nematodes |
| Jonathan Rochin | Joy Goto | Chemistry | SM | β -Methylamino-L-alanine (BMAA) Competition with Alanine and other Natural Amino Acids in <i>Drosophila Melanogaster</i> |
| Ann Rodriguez | Daniel Bukofzer | Electrical & Computer Engineering | LCOE | Parking Lot Sensor Display |
| Datoliban Roland | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering Chemistry, Plant Science | SM, JCAST | Microgravity University Flight Program |
| Jameson Schwab | Jesus Larralde | Civil & Geomatics Engineering | LCOE | Optimization of Mixed Design for Permeable Concrete |
| Jordan Scott | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry, Plant Science | LCOE,SM,JCAST | Microgravity University Flight Program |
| Craig Seber | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry, Plant Science | LCOE,SM,JCAST | Microgravity University Flight Program |
| Marc Serrano | David Andrews & Alejandro Calderon-Urrea | Biology | SM | Effectiveness of Chalcones on the Model Nematode <i>Caenorhabditis Elegans</i> |
| Nicholas Soliz | Pei-Chun Ho | Physics | SM | Measurement of Thermodynamic Properties of Rare-Earth Compounds |
| Touyee Thao | Dave Goorahoo | Plant Science | JCAST | Comparison of Organic and UAN-32 fertilization on Yield and Quality of Bok Choy |
| Kevin Thomas | John Bushoven | Plant Science | JCAST | Somatic Embryogenesis in <i>Pseudotsuga</i> |

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| Mujahid Umar | Ming Xiao, Joy Goto, John Bushoven | Civil Engineering, Chemistry, Plant Science | LCOE,SM,JCAST | Microgravity University Flight Program |
| Kathryn Updyke | Gregory Kriehn | Electrical & Computer Engineering | LCOE | Using TIMS for the Fourier Transform |
| Katherine Urabe | Oscar Vega | Mathematics | SM | Well-Covered Dimensions of Graphs |
| Varun Varahamurthy | Gregory Kriehn | Electrical & Computer Engineering | LCOE | Additional research to accompany ECE 124 Signal & Systems |
| Alya Wakeman | Paul Crosbie | Biology | SM | Evaluation of the mosquito species Aedes sierrensis as a vector of the canine hearworm Dirofilaria immitis |
| Kris Westcott | Felicia Greer | Kinesiology | HHS | An examination of the needs and interests of health care workers in an employee wellness program |
| Lulu Wong | Jason Bush | Biology | SM | Secretome Evaluation of Primary Cultures Derived From Pancreatic Ductal Adrenocarcinomas |
| Garrett Workman | Chris Golston | Linguistics | AH | Yokuts Word Oder |
| Pahoua Xiong | Eric Person | Chemistry | SM | Ignitable Liquid Chromatogram Distortion Caused by Passive Headspace Concentration |
| Chong Yang | Santanu Maitra | Chemistry | SM | Synthesis of New Classes of ApoE Modulators |