

| No. | Yes | Student's Name | Instructor | Department | College | Title |
|-----|-----|--------------------------|----------------------------|------------------------------------|---------|--|
| 1 | XX | Michael Nash Araiza | Comlan De Souza | Mathematics | CSM | Estimation of a percolation threshold by Monte Carlo |
| 2 | XX | Omar Robles | Anil Shrestha | Plant Science | JCAST | Salinity Tolerance of Forage and Grain Sorghum |
| 3 | XX | Carolyn Chase | Erin Dormedy | Food Science and Nutrition | JCAST | Decontaminating Salmonella on Mango Fruit Surfaces by Hot Water Immersion |
| 6 | XX | German Ruiz | Qiao-Hong Chen | Chemistry | CSM | Synthesis of Asymmetric 1.5 Diheteroaryl-1,4-Pentadien-3-ones as Anti-Cancer Agents |
| 9 | XX | Pahoua Yang | Anil Shrestha | Plant Science | JCAST | Assessing the competition between glyphosate-resistant and glyphosate-susceptible juglerice (<i>Echinochloa colona</i>) |
| 10 | XX | Jessica Gartell | Deify Law | Mechanical Engineering | LCOE | Numerical Study on Flow Control Using Staggered Elements on Flat Plates |
| 11 | XX | Ryan Cox | Anil Shrestha | Plant Science | JCAST | Effect of shade and soil moisture level on the efficacy of selected postemergence herbicides in control of junlerice (<i>Echinochloa colona</i>) |
| 12 | XX | Leyla Farshidpour | Qiao-Hong Chen | Chemistry | CSM | Synthesis of Hydrocarpin and its Analogs as Anti-Prostate cancer agents |
| 14 | XX | Taylor McCullough-Hunter | Pei-Chun Ho | Physics | CSM | Evaluate Thermal Properties of Filled Skutterudite Compounds using Finite Heat |
| 15 | XX | Shoji Hishida | Pei-Chun Ho | Physics | CSM | Thermopower measurements of Filled-Skutterudite Compounds |
| 16 | XX | Clarissa Niino | Alam Hasson/Laurent Dejean | Chemistry | CSM | "A Method to Assess Reactive Oxygen Species (ROS) Formation Induced by Particulate Matter (PM) Samples in Alveolar Macrophages" |
| 17 | XX | Robyn Verhalen | Alam Hasson | Chemistry | CSM | Impacts of Atmospheric Oxygen on the Cellular Toxicity of Cigarette Smoke |
| 18 | XX | Victoria Fielder | James Mullooly | Anthropology | COSS | An Analysis of Kids Invent |
| 24 | XX | Jaideep Singh | Krish Krishnan | Chemistry | CSM | Real Time measurements of enzyme kinetics using time-resolved NMR spectroscopy. |
| 25 | XX | Tyler Deatherage | Cory Brooks | Chemistry | CSM | Epitope Determination of InIB Specific VHH |
| 26 | XX | Jazmin M. Arias | Joy Goto | Chemistry | CSM | Application of BMAA to Human Neuronal Cells to Study Amyloid Beta Formation |
| 28 | XX | Brandy White | Cory Brooks | Chemistry | CSM | Expression, Purification, and Crystallization of Camelid Heavy-Chain Variable Domains |
| 31 | XX | Matt Mendoza | Cory Brooks | Chemistry | CSM | Assessment of the Binding Activity of Nanobodies |
| 33 | XX | Timmy Lee | Qiao-Hong Chen | Chemistry | CSM | Hybrid of Silybin and Terazosin as Cytotoxic Chemotherapeutics |
| 40 | XX | Olivia Krohn | Yongsheng Gao | Physics | CSM | Preparation for High-Energy Physics Work at CERN |
| 41 | XX | Ryan Jackson | Mike Mustafa Berber | Civil and Geomatics | LCOE | Combining GNSS and Terrestrial Measurements |
| 42 | XX | Scott Myatt | Mike Mustafa Berber | Civil and Geomatics | LCOE | Combining GNSS and Terrestrial Observations |
| 43 | XX | Alejandro Magana | Annabella Espana-Najera | Chicano and Latin American Studies | COSS | The Dynamics of Local Governments: A Closer Look at Decentralization and Electoral Reform in El Salvador |
| 45 | XX | Yue Wu | Anil Shrestha | Plant Science | JCAST | Salt Tolerance of Sorghum during Seed Generation |
| 47 | XX | Rodolfo G. Rios | Qiao-Hong Chen | Chemistry | CSM | Synthesis of C1-C8 Fragment of Simplified Zampanolide Analogues |
| 49 | XX | Patricia Olino | Laurent Dejean | Chemistry | CSM | Cytotoxic effect of Oxalic Acid on Bcl-2 Family Proteins |
| 50 | XX | Andrew Hoover | Qiao-Hong Chen | Chemistry | CSM | Synthesis of (1E,4E)-1,5-bis(1H-imidazol-2-yl)penta-1,4-dien-3-ones as a chemotherapeutic |
| 51 | XX | Kaitlyn Willems | Zhi Luke Wang | Earth and Environmental Sciences | CSM | The Effect of Controlled Burning on Soil Erosion and Water Quality in the Sierra Nevada Forest |
| 52 | XX | Erica Romo | Qiao-Hong Chen | Chemistry | CSM | Development and Optimization of a Key Reaction Towards the Synthesis of Simplified Zampanolide Analogues |
| 53 | XX | Emerald Bibler | Jason Bush | Biology | CSM | 3D Culture of Human Pancreatic Cancer Cells and Chemodrug Evaluation |
| 55 | XX | Alan Suarez Garcia | The Nguyen | Mechanical Engineering | LCOE | Design optimization and commercialization of a biomedical prosthetic knee with Magnetoheological Fluid |
| 56 | XX | Kristopher Kapitzke | The Nguyen | Mechanical Engineering | LCOE | Design Optimization of a SMA Wire Actuator for a Biomedical Prosthetic Leg |
| 57 | XX | Harmala Singh | Joy Goto | Chemistry | CSM | Novel NMDA receptor-specific desensitization/inactivation produced by ingestion of the neurotoxins BMAA or BOAA |
| 58 | XX | Kou Yang | Chris Pluhar | Earth and Environmental Sciences | CSM | Reconstruction of Vallecitos Syncline by Application of Paleomagnetic Methods |
| 59 | XX | Holly Deniston-Sheets | Margaret Ellis | Plant Science | JCAST | Identification and Movement of Phytophthora and Pythium plant pathogens through water irrigation systems on the Fresno State farm |
| 60 | | Cesar Gonzalez-Duplicate | | | | |
| 62 | XX | Edward Berdan | Lisa Bryant | Political Science | COSS | The Hidden Bell-Weather: An Examination of Political Ideology in the Filipino-American Community |
| 64 | XX | Sarah Hayes | Lisa Bryant | Political Science | COSS | The Effect of Interactive Learning on Increased Retention of Political Learning |

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| 65 | XX | Ryan C. Mitchum | Mara Brady | Earth and Environmental Sciences | CSM | Using Photo-Sieve Analysis of the San Joaquin River to Estimate the Amount of Ideal Salmon Habitat |
| 67 | XX | Alexandra Saxberg | Joy Goto | Chemistry | CSM | Neuronal Fruit fly cultures and the effects of an Environmental Neurotoxin |
| 68 | XX | Daniel Ochoa | Mara Brady | Earth and Environmental Sciences | CSM | Investigating Downstream Trends in Bed Sediment |
| 69 | XX | Alexsis D. Carlon | Lorin Lachs | Psychology | CSM | The effect of memory on cross-modal matching |
| 70 | XX | Jason Thomas | Mamta Rawat | Biology | CSM | Gene expression under oxidative stress in <i>Synechococcus elongatus</i> |
| 71 | XX | Samantha Hartanto | Mamta Rawat | Biology | CSM | Protein thiolation in UV-irradiated <i>Bacillus pumilus</i> spores |
| 72 | XX | Natsinet Ghebrendrais | Mamta Rawat | Biology | CSM | Identification of Disrupted Genes in Diamide Sensitive <i>Myobacterium Smegmatis</i> Mutants |
| 73 | XX | Nisha John | Santanu Maitra | Chemistry | CSM | Synthesis of Triaryl Variants for ApoE modulation |
| 74 | XX | Jennifer M. Vargas | Antonio Avalos | Economics | CSB | Socio-Economic Study of Concentrated Poverty in West Fresno |
| 75 | XX | Alexa Lopez | Alejandro Calderon-Urrea | Biology | CSM | Detecting foodborne pathogens: using qPCR to detect <i>Bacillus cereus</i> |
| 76 | XX | Emeline E. Pano | Alejandro Calderon-Urrea | Biology | CSM | Organism identification: detecting the foodborne pathogen <i>Listeria monocytogenes</i> using qPCR. |
| 77 | XX | Sosse Kendoyan | Alejandro Calderon-Urrea | Biology | CSM | Nematocidal Activity of Pryoligneous Acid Almond Shell on <i>C. elegans</i> |
| 78 | XX | Alejandro Hernandez | Alejandro Calderon-Urrea | Biology | CSM | Wastewater Purification through the use of <i>Scenedesmus dimorphus</i> , <i>Chlorella vulgaris</i> , and <i>Dunaliella primolecta</i> . |
| 79 | XX | Shoghig Stanboulin | Alejandro Calderon-Urrea | Biology | CSM | Nematicidal Activity of Pryoligneous Acid Softwood on <i>C. elegans</i> |
| 81 | XX | Ying Vang | Ming Li | Computer Science | CSM | Network Implementation in Body Sensor Networks |
| 84 | XX | Ashley Harteis | Rosa Toro | Psychology | CSM | The Role of Parent and Peer Attachment in the Relationship Between Acculturative Family Distancing and Anxiety Among Latino and Asian Immigrant College Students |
| 85 | XX | Benjamin Tanielian | Joy Goto | Chemistry | CSM | Determination of the AB ₁₋₄₂ structure in the presence of b-methylamino-L-alanine |
| 86 | XX | Joy Aparicio Valenzuela | David Lent | Biology | CSM | Correlating the expression of tau and ptau with behavioral dysfunction in <i>Drosophila</i> |
| 87 | XX | Matthew Pomaville | David Lent | Biology | CSM | Spatial aering assessment in split-brained <i>Periplaneta americana</i> |
| 89 | XX | Dureshika Ranasinghe | Joy Goto | Chemistry | CSM | Effects of L-serine on Fruit Flies |
| 90 | XX | Stephanie Santos | Qiao-Hong Chen | Chemistry | CSM | Synthesis of Quercetin Derivatives with Enhanced Anti-Cancer Potency |
| 92 | XX | Micheal Bowlin | The Nguyen | Mechanical Engineering | LCOE | PVDF for Energy Harvesting and Sensing |
| 93 | XX | Maria Cabrera | Maria-Aparecida Lopes | Chicano and Latin American Studies | COSS | Patterns of Spatial Distribution in the Meat Provisioning System in 19th century Rio de Janeiro |
| 94 | XX | Richard Moua | Joy Goto | Chemistry | CSM | BMAA effects on HSP70 levels |
| 95 | XX | Jose Acosta | Jason Bush | Biology | CSM | Analysis of HIF1-Alpha inhibitors in 3D Spheroid Culture of Bone and Brain Metastatic Breast Cancer |
| 96 | XX | Karina Hernandez | Jason Bush | Biology | CSM | Zolendronic Acid (ZOL) Effects in 3D Culture on Bone Metastatic Breast Cancer |
| 98 | XX | Alonso Jauregui | David Lent | Biology | CSM | LED Cylinder Display Module |
| 99 | XX | Sivam Patel | Santanu Maitra | Chemistry | CSM | Synthesis, Purification and Characterization of Isoprene Nitrate Esters |
| 100 | XX | Amanda Voigt | Santanu Maitra | Chemistry | CSM | Synthesis of Organic Molecules for ApoE Inhibition in Alzheimer's Disease |
| 101 | XX | Jillian Baker | Santanu Maitra | Chemistry | CSM | Synthesis of Organic Molecules for Apolipoprotein E Regulation |
| 102 | XX | Dylan Manning | Santanu Maitra | Chemistry | CSM | Synthesis of DEET Analogues and Analysis of their Chemical Properties |
| 104 | XX | Irina Kuchkocskaya | Santanu Maitra | Chemistry | CSM | ApoE Inhibition through LXR Repression for Alzheimer's Disease Drug Therapy |
| 106 | XX | Maxwell Hill | Santanu Maitra | Chemistry | CSM | Synthesis of Isoprene Peroxides |
| 107 | XX | Kelsie Raulino | Srinivasa Konduru | Agriculture Business | JCAST | Analysis of Competition Among Input Suppliers in the Cotton Sector of California |
| 109 | XX | Dustin J. Pattigan | The Nguyen | Mechanical Engineering | LCOE | Vibrations for Pest Control |
| 111 | XX | Selena Edin | Henry Delcore | Anthropology | COSS | Ethnography of the Writing Center |
| 112 | XX | Rafael Remotigue | Santanu Maitra | Chemistry | CSM | Prevention of Alzheimer's Disease by ApoE Downregulation via Organic Molecule Synthesis |

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| 113 | XX | Jacqueline Alvarez | Carolyn Cusick | Philosophy | CAH | Promoting Campus Belonging In and Through LGBT+ Commencement Ceremonies |
| 114 | XX | Monet Gomes | Steve Blumenshine | Biology | CSM | Use of Stable Isotopes of Oxygen & Hydrogen to Trace Water in the San Joaquin River Restoration Program |
| 115 | XX | Nicole Aldrich | Christopher Pluhar | Earth and Environmental Sciences | CSM | Magnetostratigraphy of the Lodo Formation |
| 116 | XX | Shola Aleru | Mamta Rawat | Biology | CSM | 16S Bacterial Identification of Cyanobacteria & Actinomycetes Species |
| 117 | XX | Trevor Gledhill | Christopher Pluhar | Earth and Environmental Sciences | CSM | Evaluating the Correlation of the Golden Bear & Coso Dikes in the Owens Valley, CA |
| 118 | XX | Joshua Wood | Melissa Golden | Chemistry | CSM | Research for the Journal of Chemical Education |
| 119 | XX | Francisco Llamas Gonz | Jorge M. Gonzalez | Plant Science | JCAST | Testing the Efficacy of Two Bio-insecticides to Control Lygus Bugs in Alfalfa Seed Production |
| 120 | XX | Melissa Mueller | Martin Shapiro | Psychology | CSM | Physiology of Risk & t/ Framing Effect: HR, SCL, & Facial EMG |
| 121 | XX | Willie Muhammad | Martin Shapiro | Psychology | CSM | Psychophysiological Responses to Unfair Competition |
| 122 | XX | Andrea Vidaurri | Martin Shapiro | Psychology | CSM | Role of Gender in Producing Changes in Psychophysiology, Attitudes & Behavior Resulting from t/ Detection of Inequalities |