Major Accomplishments 2018-19

STUDENT SUCCESS
1. Successful School-level Strategic Planning led by the Science & Technology Strategic Planning Taskforce. Moving forward the plan will promote communication, help guide strategy and unify efforts across the School in support of campus priorities.
2. Completed developmental mathematics curriculum including transitional courses designed to bridge the path to full implementation this Fall 2019.
3. The School’s GE Taskforce met throughout the year to understand and respond to EO1100 with notable changes in Area B as well as other significant impacts. S&T faculty served in key leadership roles tied to these EOs including GERS Chair Suzanne Rivoire, EPC Chair Jenn Lillig and Math & Stats Department Chair Brigitte Lahme.

ACADEMIC EXCELLENCE AND INNOVATION
1. Faculty secured a number of external grants including:
   a. 2018-19 California Education Learning Lab award to project Developing Student Identity and Self-Perception as Capable STEM Thinkers and Learners at the Community College Level - $1,300,000. Chemistry professors are co-leads along with collaborators at UC Berkeley, College of Marin and Diablo Valley College.
   b. NSF funding to project Make Math REAL: Realize Equity to Activate Learners – $586,000. SSU Mathematics and UC Berkeley are partners on this grant to develop and test maker-based math education curriculum for fourth and fifth grades.
   c. Developing a Student Driven STEM and Computer Science Curriculum for Rural Students was awarded a total of $3,930,078 for five years from the Department of Education, Education Innovation and Research program plus $400,000 in matching funds. In partnership with high schools in Sonoma, Mendocino, and Lake Counties, this project integrates computer science and work-based learning experience for rural and high-need students building on Learning by Making 9th grade integrated STEM curriculum.
2. Over 400 undergraduates exhibited their research projects and shared their expertise at the Science Symposium in late April. Program available with abstracts at web.sonoma.edu/scitech/symposium/archives/2019_science_symposium_program.pdf
3. The Beyond Curie interactive installation in the Darwin Lobby featuring women in science was funded thru SST Innovation and Strategic Priorities funding. Opening ceremonies kicked off S&T’s Celebration of Women In Science during Women’s History Month.
4. Hired four new tenure track faculty aligned with strategic priorities and values and adding to the excellence and diversity of the SST faculty.
LEADERSHIP CULTIVATION
1. Brigitte Lahme, Math & Stats Department Chair, was honored by Cengage Learning and the National Resource Center for the First-Year Experience and Students in Transition for her student advocacy work, specifically in student learning, development, and success.
2. Dr. Claudia Luke, Director of the SSU Center for Environmental Inquiry, was awarded the Environmental Stewardship Award from the North Bay Leadership Council.

TRANSFORMATIVE IMPACT
1. The North Bay Alert System including a communications, camera, and sensor network tower installed on SSU’s Fairfield Osborn Preserve coupled with cyber-connectivity through a new tower installed on Darwin Hall was completed. SSU provides the high-speed connectivity that enables the network of remote towers throughout the North Bay to detect early warnings of fire and other dangerous conditions. The data collected will also be used for research.
2. Early pipeline outreach initiatives continued and expanded (North Bay Discovery Day, RFDC, Sonia Kovalesky Day, Entomology Outreach, Girls Tinker Academy, EYH, Piner High STEM Program, Chemistry Week, and S&T Summer High School Internship Program).

Accomplishments Summary Listed by Area and Unit

A. PUBLICATIONS

1. Biology
histories: responses to body condition and drivers of foraging behavior. Physiological and Biochemical Zoology. 92:223-238.


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<tr>
<th>2. Chemistry</th>
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<tr>
<td>a. Niu, Shuqiang; Nelson, Anne; Torre, Patricia; Li, Haixia; Works, Carmen; Hall, Michael B. Manuscript. Photo-Induced Active Site of [FeFe]-Hydrogenase Biomimetic Complexes. Journal of the American Chemical Society. Manuscript ID: ja-2019-05879a.</td>
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<th>3. Computer Science</th>
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<tr>
<th>4. Engineering Science</th>
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<tr>
<td>c. S. Shrestha and F. Farahmand, Introducing Project-Based Engineering Laboratory to Non-Engineering Undergraduate Students, 125th Annual Conference and Exposition, Salt Lake City, UT, June 24-27, 2018.</td>
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<th>5. Geology</th>
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### 6. Kinesiology


### 7. Mathematics & Statistics


### 8. Nursing


9. Physics & Astronomy

| i. | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run” Abbott, B. P. and 1131 co-authors including L. |


B. PRESENTATIONS

1. Biology


d. St. John, W. Invited speaker, Teaching for Sustainable Communities program, "Student Agency and Engagement." July 2018


f. St. John, W. Invited speaker, GEP Department's Environmental Forum on "Riparian Restoration."


2. Chemistry


b. Lillig, J. Bullying in the Workplace, School-place, and Research-space. Workshop leader at CSUPERB symposium 2019 (Los Angeles)

c. Lillig, J. Student Research Presentations at the SSU Research Symposium


e. SST symposium

i. Brandon Jolly and Carmen Works. Kinetics and Quantum Yields of [Fe-Fe] hydrogenase model complexes


iii. Karina Cruz and Carmen Works. Analyzing the Photochemistry Product of Trimethylphosphine Hydride a Common [FeFe]-Hydrogenase Model Compound
iv. Annkia Holm, Jon Fukuto and Carmen Works. Synthesis and Characterization of Cobalt (II/III) Salen Complexes and their interactions with Persulfides Species
v. Anna Thompson, Valentino Perez, Brandon Jolly and Carmen Works. Photochemical Studies of Fe-Fe Hydrogenase Model Complexes.
f. ACS undergraduate Research meeting in Santa Clara
   i. Brandon Jolly and Carmen Works. Kinetics and Quantum Yields of [Fe-Fe] hydrogenase model complexes
   iii. Anna Thompson. Synthesis and Cell Protection Studies of the Dithiolate-Bridged Diiron Hexacarbonyl Complex
   iv. Veronica Martinez. Partial Purification of Chromium Reducing Enzyme, Chromate Reductase, from Pseudomonas Veronii

3. Computer Science

a. S. Penna, C. Havranek and G. Gill, A computational framework based on convolutional neural network for classifying interstitial lung disease in computed tomography scans, Student poster presentation at CSUPERB annual symposium (acceptance rate ~74% across all CSUs), Jan 2019.
b. Gondree, M. Invited speaker to CS class (talk on cryptography) at Terra Linda High School, Jan. 28, 2019, San Rafael, CA. Ran a 2-hour workshop on Git fundamental for NomaHacks.

4. Engineering Science

h. S. Shrestha, F. Farahmand, and P. Vora Introducing Integrative Project Based-Learning in Electric Circuits Laboratory, 2019 SSU Research & Creative Activity Symposium, Rohnert Park, CA, USA, April 29, 2019.


5. Geology


b. Anfinson, O.A., Bero, D.A, Raymond, L. and Simoneau, V., 2019 Franciscan Complex structural architecture, deposition age, and provenance for west Mt. Tamalpais, CA Geological Society of American Cordilleran section meeting. Portland, OR. Abstract #329574


g. Anfinson, O.A. Presenter- Sacramento State University (2018)

h. Anfinson, O.A. Presenter- Two lectures on Arctic Tectonics, UNIS, Svalbard, Norway (2018)


j. James, M.J. Biology Colloquium, Sonoma State University, September 28, 2018.

k. James, M.J. Osher Lifelong Learning Institute, OLLI, Sonoma State University, October 11, 2018.

l. James, M.J. History of Science Society annual meeting, Seattle, Washington, I co-organized a symposium titled "Expeditions, Specimens and Ideas" and I presented orally on "Collecting Evolution in the Galapagos and Rebuilding the California Academy of Sciences."

m. James, M.J. Biology Colloquium, San Francisco State University, November 6, 2018.

n. James, M.J. International Education faculty lecture, Sonoma State University, November 15, 2018.

o. James, M.J. Philosophy Department lecture series, University of California, Davis, December 6, 2018.

p. James, M.J. Piner High School STEM Cafe, SPARQ Center, January 10, 2019.
q. **James, M.J.** Stanford University Alumni of Sonoma County, lecture at SSU, January 20, 2019.

r. **James, M.J.** Romberg Tiburon Laboratory, Rosenberg Institute Seminar Series, San Francisco State University, January 30, 2019.

s. **James, M.J.** Oakmont Sunday Symposium, at Oakmont, Santa Rosa, CA, February 3, 2019.

t. **James, M.J.** University of California Museum of Paleontology, March 12, 2019.

u. **James, M.J.** Big Bang Gala at California Academy of Sciences, featured speaker, helped the Academy reach goal of raising $2.5 million that evening.

v. **James, M.J.** Osher Lifelong Learning Institute, OLLI, Glaser Center, short course, May 24, 2019.

w. **James, M.J.** Science Buzz Cafe, HopMonk Brewery, Sebastopol, June 5, 2019.

x. **James, M.J.** Sausalito Yacht Club, Sausalito, California, July 17, 2019.


z. **Waters, L.** Berkeley Colloquium: "Why aplites freeze and rhyolites erupt: controls on the accumulation and eruption of high-SiO2 (eutectic) melts."

6. **Kinesiology**


   b. **Sollanek KJ.** Gave a 1-hour presentation called “The hydration debate: making sense of the mixed messages” at the Southwest Athletic Training Association meeting (Arlington, TX. July 20, 2018). The audience was Certified Athletic Trainers (ATCs) who attended to obtain continuing education units (CEUs) under the category of an Evidence Based Practice (EBP) Session.


7. **Mathematics & Statistics**


   b. **Hobson, N.** “Students’ Thinking about Constant Rate of Change” SSU Faculty and Graduate Student Symposium. April, 2019.


   g. **Ortega, O.** The Statistics Behind, “Driving While Black” 2019 Africana Distinguished Lecture Series, Sonoma State University, Rohnert Park, CA

   h. **Ortega, O.** Stochastic Model of Rotavirus Infection. 2019 Distinguished Women in Math Lecture Series, San Francisco State University, San Francisco, CA
### 8. Nursing

- **Altaker, K.** 2018 Presented poster: “Development of a Program to Facilitate and Standardize Online and Blended Teaching” Faculty and Graduate Research Symposium (April)
- **Ritter, B.** Cardiovascular Lecture
- **Ritter, B.** Invited Lecturer SSU FNP Program
- **Valdez, A.M.** (2018, Feb. 8). Firestorm: Managing a nursing program during a disaster. Presented at the California Organization of Associate Degree in Nursing Conference.
- **Werder, K.** 2019 Saving Lives and Rebuilding Families: Medication Assisted Treatment for Opioid Use Disorders, Recorded Webinar for the ADOPT project, co-presenter
- **Werder, K.** 2019 Psychopharmacology, Sonoma State University, Nurse Practitioner Program
- **Wilkosz, ME.** Mi Futuro 1/9/2019

### 9. Physics & Astronomy

- **Cominsky, LR.** Santa Rosa, CA. Learning by Making, invited talk at reMake Education conference (August 2, 2018)
- **Cominsky, LR.** Pacific Grove, CA. Spacetime Symphony: Gravitational Waves from Merging Compact Binaries, invited talk at Phi Beta Kappa Northern California meeting (Feb. 16, 2019)
- NASA’s Universe of Learning: Enabling Learners to Explore Exoplanets. Marcucci, Emma; Rivera, Thalia; Smith, Denise A.; Biferno, Anya A.; Squires, Gordon K; Lestition, Kathleen; **Cominsky, Lynn R.;** and the NASA’s Universe of Learning Team,; American Astronomical Society, DPS meeting #50, id.202.02 2018DPS....5020202M (10/2018)
- **Cominsky, LR.** Learning by Making workshop at the California STEAM Symposium, October 29, 2018
- **Cominsky, LR.** Learning by Making, short course at the California Science Teachers Association annual meeting, November 30, 2018
- The Universe of Learning’s Authentic Ground-based Observing and Research Experience Zellem, Robert Thomas; Dussault, Mary E.; Lawton, Brandon; Peticolas, Laura; Zimmerman-Brachman, Rachel; Smith, Denise; Squires, Gordon K.; Biferno, Anya A.; Lestition, Kathy; **Cominsky, Lyn**, American Astronomical Society, AAS Meeting #233, id.#352.11, 2019AAS...23332112Z(1/2019)
- Engaging General Education Astronomy Students with Internet-Based Robotic Telescopes. Coble, Kimberly; Dobaria, Archana; Le, Alejandra; Katie, Berryhill; McLin, Kevin; **Cominsky, Lyn**, American Astronomical Society, AAS Meeting #233, id.#214.01, 2019AAS...23321401C (1/2019)
- NASA’s Universe of Learning: Connecting Learners with the Discoveries and Scientists of NASA Astrophysics. Lee, Janice; Lawton, Brandon; Marcucci, Emma; Smith, Denise; Squires, Gordon; Manning, Colleen; **Cominsky, Lyn**, Lestition, Kathy; Biferno, Anya A., American Astronomical Society, AAS Meeting #233, id.#212.07, 2019AAS...23321207L (1/2019)
- Dream, Make and Innovate: A service-learning class. Lynn **Cominsky** and Edward Lyon, CSU Teaching and Learning Symposium, March 9, 2019
- **Targett, T.** StarCraft II AI Workshop Blizzcon 2017 - audience of ~ 150 international academics and private sector software developers.
C.  NEW FUNDING AWARDED IN 2018-19

1.  Biology

2.  Chemistry
   a.  **Lillig, J and Works, C.**  Developing Student Identity and Self-Perception as Capable STEM Thinkers and Learners. $1.3 million. OPR Learning Lab, CA Governor’s Office. Joint with Carmen Works at SSU as well as partners at College of Marin, Diablo Valley Community College, and UC Berkeley.

3.  Computer Science
   a.  **Gill, G.**  SSU RSCAP $6500. Medical Imaging: Classification of Interstitial Lung Disease in Chest CT Scans
   b.  **Gondree, M.**  "Travel award to attend the 50th SIGCSE Technical Symposium on CS Education."  ACM SIGCSE. 02/2019. $500.
   c.  **Taneja, S.**  SSU’s RSCAP summer funding 19/20. Amount funded: $5897
   d.  **Taneja, S.**  SST’s Innovation and Strategic Priorities Funding 2018/19. Amount funded: $4000

4.  Engineering Science

5.  Geology
   b.  **Anfinson, O.A.**  Koret Scholars Award ($4000 research funding for students and $6000 fellowship)
   c.  **Anfinson, O.A.**  Center for Environmental Inquiry, Environmental Technology Grant ($1850)
   d.  **Glas, R.**  Influence of Climatic Variability on the Hydrology of Northern California’s Headwater Catchments. Summer research mini-grant, RSCAP, Sonoma State University ($5822)
   e.  **Glas, R.**  Water sources and flow paths on Sonoma Mountain: tracing groundwater- surface water interactions with dissolved ion chemistry, WATERS Initiative grant, ($977)
   f.  **Glas, R.**  Mapping soil thickness in a headwater system using innovative seismic methods. Science and Technology Innovation Grant, SST, Sonoma State University ($7278)
   g.  **Glas, R.**  Investigating groundwater/ surface water connectivity in a headwater system.
   h.  WATERS Sustainability Grant, Sonoma State University ($2950)
### 6. Kinesiology

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<tr>
<td>b. <strong>Sökmen</strong>, B. SSU Faculty RSCAP Grant (2018): Ryann DeSousa,, German Reyes, Jose Limas, Nicholas Nygaard, Emily Campbell. The Effect of Concentric Prime Movers vs. Synergist Muscle Contraction on Coactivation Ratios. School of Science and Technology Research Symposium. Award $750</td>
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<td>e. <strong>Sollanek</strong>, KJ. Award announcement from Office of Research and Sponsored Programs (ORSP) sent November 26, 2018. Time course for data collection was 1 year. Data was collected (December 2018-February 2019) and the manuscript with results was submitted for publication on April 7, 2019 (currently under review: Nutrients Journal).</td>
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<td>f. <strong>Sollanek</strong>, KJ. Project title: Beverage Osmolality Study. Funding agency: Koret Foundation, Sonoma State University (Rohnert Park, CA.). Funding: Total costs $10,000.</td>
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<td>g. <strong>Sollanek</strong>, KJ. Awarded funding from an internal SSU grant to help support research project and 4 undergraduate Kinesiology students.</td>
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### 7. Mathematics & Statistics

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<tr>
<td>a. <strong>Brannen</strong>, S. Trustees of the CSU/National Science Foundation. CSU Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP). Total $45,250. Year 1 of 5.</td>
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<td>b. <strong>Ford</strong>, B. and Rajeev Virmani. National Science Foundation. Make Math REAL: Realize Equity to Activate Learners. $586,193. Partnership between SSU and the Lawrence Hall of Science at UC Berkeley. 05/15/19-04/30/22.</td>
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### 8. Nursing

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<tr>
<td>a. <strong>Ritter</strong>, B. NIH grant pending - Diagnostic Reasoning in Nursing, Barbara Ritter Consultant/Collaborator</td>
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<tr>
<td>b. <strong>Smith</strong>, W. Assistant Project Director: PI, 2018-2019 Rural Cooperative Family Nurse Practitioner (FNP) Program Song-Brown Award NP/PA training programs. CA. OSHPD. $192,000.</td>
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<td>c. <strong>Werder</strong>, K. Co-author and co-investigator of SAMSHA Grant 1H79TI081654-01 for Project ADOPT (Advancing Drug and Opioid Prevention Treatment). $11,726. Sponsor is UC San Francisco, Department of Health &amp; Human Services, Substance Abuse and Mental Health Services Administration.</td>
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<td>d. <strong>Wilkosz</strong>, ME. City of Rohnert Park Mini Grant - Community Outreach - Mi Futuro, high school outreach and Hands Free CPR workshop. $1400</td>
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### 9. Physics & Astronomy

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b. October 2018, Developing a Student-Driven STEM and Computer Science Curriculum for Rural Schools, L. Cominsky Principal Investigator, Department of Education Innovation and Research program, 10/01/2018 - 09/30/2023, $3,927,476.00 for five years plus $400,000 in matching funds.


d. Severson, S. SSU School of Science and Technology Professional Development Grant, SSU, Laser Interferometric Gravitational Observatory Simulator equipment: $2,187.52

e. Severson, S. Educational Experience Enhancement Award, SSU, 4 WTU release in 2018-2019 Academic Year. Work was centered on the development and refinement of the student experience at the SSU Observatory. This included the refurbishment and installation of a donated telescope, adding a first-class instrument to the observing programs.

f. Severson, S. Lab Innovations with Technology (LIT) grant, CSU, Virtual Reality in ASTR100, Descriptive Astronomy, $7,374.00.

D. CONTINUOUS FUNDING

1. School Level

a. Stauffer, L. and D’Errico, M. UC Regents. Continued year 2 award. $10,000 for $20,000 total. MESA Engineering Program (MEP).

2. Biology


d. St. John, W. $1500 from the Center for Environmental Inquiry for ecological restoration of Copeland Creek

3. Chemistry


4. Computer Science


5. Geology

b. **Mookerjee, M.** NSF-EarthCube-Capabilities: EarthCube Data Infrastructure: Collaborative Proposal: A unified experimental-natural digital data system for cataloging and analysis of rock microstructures. Collaborators: Julie Newman, Texas A&M; Phil Skemer, Washington Univ.; Gurman Gill, SSU; Basil Tikoff, UW, Madison; Yolanda Gil, USC; Lee Alison, AZ Geological Survey; Doug Walker, U of Kansas; Chris Marone, Penn. State. Funding amount to SSU part: $93,791.00

6. **Kinesiology**

a. **Sollanek, KJ.** Project title: Sweat App Validation. Funding agency: Sports Science Synergy, LLC (Franklin, MA.). Funding: Total costs $10,000. Award announcement from Office of Research and Sponsored Programs sent February 27, 2018. Time course for data collections was ~2 years. Data collection started on March 2018 and ended October 2018. The data from this project is being presented at the American College of Sports Medicine conference (Orlando, FL; May 30, 2019). The manuscript is in preparation.

7. **Mathematics & Statistics**


8. **Nursing**

a. **Wilkosz, ME.** OSHPD - Song Brown $192,000 FNP Program Distance Learning  
b. **Wilkosz, ME.** IRA Grant funding - Simulation $12,000  
c. **Wilkosz, ME.** IRA Grant funding - Human Sexuality Guest Speakers $4,000  
d. **Wilkosz, ME.** CVS Health Foundation Scholarship Grant $5000 2018-2019

9. **Physics & Astronomy**

b. April 2016, EdgeCube: A 1U Global Monitor for Earth’s Ecosystem, SMD and SpaceGrant, L. Cominsky Principal Investigator, $200,000 for two years.  
c. July 2016, STEM Education Through Sophomore Innovation (SETSI), Jeremy Qualls, Principal Investigator, L. Cominsky, Co-PI, NSF IUSE program, $584,705 for three years.  
d. **Severson, S.** Instructionally Related Activities (IRA) Funding for SSU Physics Seminar Series $7,265/year  
e. **Severson, S.** Instructionally Related Activities (IRA) Funding for SSU Observatory Viewing Nights. $3,914/year  
f. **Targett, T.** 2018-19 KORET Scholars Award - $10,000

E. **PROFESSIONAL DEVELOPMENT ACTIVITIES**

1. **Biology**

a. **Lee, S.** Attended TopHat's innovation symposium in Chicago in October as a featured on-line textbook author; led discussion of 'using classroom response/testing features in a small upper division course' in one of the small group sessions.  
b. **St. John, W.** Attended a workshop offered by Matthew Paolucci-Callahan, about diversity in the classroom.  
c. **Whitkus, R.** GE Signature Assignments Workshop

2. **Chemistry**

a. **Lillig, J.** NSSE Workshop  
b. **Lillig, J.** WSCUC ARC conference
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<th>3. Computer Science</th>
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<tr>
<td>a. <strong>Gondree</strong>, M. Attended LoboConnect Faculty Information Session (Spring 2019)</td>
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<td>b. <strong>Gondree</strong>, M. Attended Canvas On-site workshop series (Spring 2019)</td>
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<td>c. <strong>Gondree</strong>, M. Attended the Cybersecurity Education Workshop 2019 in Santa Fe, NM.</td>
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<tr>
<td>d. <strong>Taneja</strong>, S. Online and Blended Teaching Excellence Program (Aug 2018 - Dec 2018) offered by SSU faculty center</td>
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<td>e. <strong>Taneja</strong>, S. STEM Faculty Learning Program (Jan 2019 - Dec 2019) offered by SSU faculty center</td>
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<td>f. <strong>Taneja</strong>, S. Session Leader for the programming track at the celebration of Sonia Kovalevsky Day organized by Department of Mathematics and Statistics (March 2019)</td>
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<td>g. <strong>Taneja</strong>, S. Volunteer at Expanding Your Horizons (EYH) at Santa Rosa Junior College (SRJC) (April 2019)</td>
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<td>h. <strong>Taneja</strong>, S. Departmental representative at Seawolf Decision Day (April 2019)</td>
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<td>i. <strong>Taneja</strong>, S. Panelist at Women Who Code event organized by SSU’s Women in Tech (Oct 2018)</td>
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<th>4. Engineering Science</th>
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<tr>
<td>b. <strong>Shrestha</strong>, S. Robert’s Family Development Center/Summer Bridge Meet the Majors Academic Fair, June 29, 2018.</td>
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<td>c. <strong>Shrestha</strong>, S. Seawolf Decision Day 2019</td>
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<tr>
<td>b. <strong>Anfinson</strong>, O.A. Session Chair- The Arctic Connection: Investigating the Tectonic Evolution of the Circum Arctic; American Geophysical Union Annual Meeting (Washington, DC, 2018)</td>
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<tr>
<td>c. <strong>Anfinson</strong>, O.A. Referee- ACS Petroleum Research Fund 2019</td>
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<tr>
<td>d. <strong>Anfinson</strong>, O.A. Referee- Geological Society of America Bulletin 2018</td>
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<td>e. <strong>Anfinson</strong>, O.A. Referee- Geology 2018</td>
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<tr>
<td>f. <strong>Anfinson</strong>, O.A. Referee- Geological Society of America Books 2018</td>
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<tr>
<td>g. <strong>Glas</strong>, R. 2019 Chancellor’s Office Grant Proposal Development Pilot Program</td>
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<tr>
<td>i. <strong>Mookerjee</strong>, M. Faculty Learning Program.</td>
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<td>j. <strong>Mookerjee</strong>, M. One-day workshop on meta-data standards in Washington DC.</td>
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<th>6. Kinesiology</th>
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<tr>
<td>a. <strong>Sökmen</strong>, B. Developing Grant Proposals Workshop at SSU &quot;Beginning Grant Proposal Writers&quot; (by Leslie Ponciano)</td>
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<td>e. <strong>Sollanek</strong>, KJ. Participated in the “Signature Assignment” workshop, March 8, 2019.</td>
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</table>
f. Mathematics & Statistics
   d. Hobson, N. Center for Undergraduate Research in Math (CURM) Faculty Workshop on Mentoring undergraduate students in research.

h. Nursing
   a. Ritter, B. Canvas workshop
   b. Ritter, B. Makerspace workshop
   c. Smith, W. 50 hours of continuing nursing education: Pharmacology- Opioid Safe Practice, Changing Lives., Endocrine Conditions - Hot Topics in Diabetes and Endocrinology for Primary Care , Annual NP Education Meeting, CCNE Webinars, LGBTQ primary care conditions and Transgender care. Gender Bias in Nursing (Matthew Paolucci).
   d. Valdez, A.M. Online training certificate in Canvas
   e. Valdez, A.M. Emergency Nurses Association Conference
   f. Valdez, A.M. Several teaching and nursing professional development courses
   g. Wilkosz, M.E. Canvas Training
   h. Wilkosz, M.E. National Organization of Nurse Practitioner Faculty Annual Conference

i. Physics & Astronomy
   a. Cominsky, L. Attended CCE service-learning workshop; also Faculty Center Canvas workshop.
   b. Severson, S. “Reducing gender bias and sexism in stem”, Workshop by Professor Matthew Paolucci Callahan, 2018-10-29

F. TEACHING, SCHOLARSHIP, AND/OR SERVICE COLLABORATIONS

1. Biology
   a. Cohen, MF. Meeting with Gabriela Arrango of Crecer Conciencia and Matt O’Donnell, Technology Innovation Specialist, and Anna Van Dordrecht, Science Coordinator, of the Sonoma County Office of Education to facilitate collaboration between the two organizations, April 19, 2019.
   b. Cohen, MF. Student Project Evaluator, Science, Technology, Engineering, Art and Mathematics (STEAM) Showcase; Sonoma County Office of Education, March 1, 2019
   c. Lee, S. Worked with Dr. Brent Hughes in the hand-off of Marine Ecology.
   d. St. John, W. Created and tabled (with Kandis Gilmore) a Biology Department display for Roberts Family Development Center visitors. Summer 2018.
   e. St. John, W. Worked with Brent Hughes' Ecology (BIOL333) students, giving both lab sections a tour of Copeland Creek and introduction to ecological restoration on campus; and gave both lab sections an introduction to using wildlife cameras. Fall 2018.
   f. St. John, W. Worked with Geist lab student Laura Anderson on biometry project comparing nest temperatures from Boggs Lake and Point Reyes. Fall 2018.
   g. St. John, W. Hosted Lisa Bentley’s climate change students in leading an activity for Biology 110 students. Fall 2018.
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<th>2. Chemistry</th>
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<tbody>
<tr>
<td>a. <strong>Works</strong>, C. Worked with a great team to get the new GE program through the faculty senate</td>
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<thead>
<tr>
<th>3. Computer Science</th>
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<tbody>
<tr>
<td>a. <strong>Gill</strong>, G. Virtual Reality Immersive Learning Program (Spring 2019 Semester). This is a campus-wide initiative where the goal is to employ virtual reality (VR) modalities to supplement or enhance information learned in the classroom. Participated in the “Development track” of this program. Incorporated Virtual reality (VR) in Game Programming course (CS 330) in Spring 2019.</td>
</tr>
<tr>
<td>c. <strong>Taneja</strong>, S. SIGCSE travel grant to attend the 50th celebration of SIGCSE 2019 conference.</td>
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<th>4. Engineering Science</th>
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<tbody>
<tr>
<td>a. <strong>Shrestha</strong>, S. With Farid Farahmand: Introducing Integrative Project Based-Learning in Electric Circuits Laboratory</td>
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<tr>
<th>5. Geology</th>
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<tr>
<td>d. <strong>Glas</strong>, R. Collaborative field work with Dr. Margaret Zimmer, UC Santa Cruz conducting geophysical surveys in the Coastal Range of the South Bay area.</td>
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<tr>
<td>e. <strong>Glas</strong>, R. Collaborative field work planning with Dr. Zeno Levy, US Geological Survey examining the importance of Sierra Nevada meadows and fens for seasonal water storage.</td>
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<tr>
<td>f. <strong>James</strong>, M.J. Osher Lifelong Learning Institute, spoke to their Science Book Club on October 11, 2018, and taught a short course at the Glaser Center in Santa Rosa on May 24, 2019.</td>
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<tr>
<td>g. <strong>James</strong>, M.J. Volunteer for public programs and events at the Museum of Sonoma County, Santa Rosa, monthly involvement, calendar years 2015 through 2019.</td>
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<tr>
<td>h. <strong>James</strong>, M.J. Featured speaker in California Academy of Sciences Big Bang Gala, an annual event that raised $2.5 million dollars for the research efforts of the Academy.</td>
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<tr>
<td>i. <strong>James</strong>, M.J. Attended the International Ocean Film Festival at Fort Mason Center in San Francisco in connection with my expanding interest in documentary film making.</td>
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<tr>
<td>j. <strong>James</strong>, M.J. Attended the Doclands Film Festival in San Rafael, also in connection with my expanding interest in making a documentary based on my book, Collecting Evolution.</td>
</tr>
<tr>
<td>k. <strong>James</strong>, M.J. Participated in the CSU Humanities and Creative Arts live webcast on March 29, 2019, likewise in connection with my expanding role and efforts to connect the sciences and the humanities, especially with regard to writing and documentary film making.</td>
</tr>
</tbody>
</table>
1. **James, M.J.** Attended and actively participated in the second annual Sonoma Writer’s Festival held at SSU on April 19-21, 2019 and organized by the SSU English Department.

2. **Mookerjee, M.** Machine-learning project with Gurman Gill and his students.

### 6. Kinesiology

a. **Sökmen, B.** Prepared a NIH grant (for $180,000) with Drs. Mary Ellen Wilkosz and Jordan Rose from Department of Nursing and with Karissa Moreno, from Northern California Center for Well-Being.

b. **Sollanek, KJ.** Continued as the faculty advisor for the 3WINS Fitness program, which is a community-based fitness program that has SSU’s KIN students leading free group exercise classes at the Rohnert Park Community Center. Start Date: April 2017 - Present.

c. **Sollanek, KJ.** Gave a 1-hour presentation to the SSU Women’s Basketball Team entitled Nutrition Basics for Athletes. (April 5, 2019).

### 7. Mathematics & Statistics

a. **Hobson, N.** Students’ Perspective in Math 165A/B, Fall 2018—Present.

b. **Hobson, N.** Student: Serina Cabrera. Funding source SSU Koret Award.

c. **Hobson, N.** Enumerating Pseudo Progressions, Fall 2018—Present.

d. **Hobson, N.** Students: Drew Horton, Keith Rhodewalt, and Ry Ulmer-Strack. Funding source from Center for Undergraduate Research in Mathematics (CURM) Mini-grant and Koret Award.

e. **Hobson, N.** Course designer and instructor, Girls Tinker Academy (with Anamary Leal), Summer 2018. *Description:* Organized schedule for two-week program in the SSU makerspace for group of 24 middle school girls. Designed making projects, mentoring activities, food, and tours of department in the School of Science and Tech. During academy, was in charge of facilitating making projects with girls, organizing two SSU student techs in the makerspace, setting up and organizing food (lunch and snacks for participants), and organizing SSU students who acted as undergraduate mentors for the girls.

f. **Hobson, N.** Course designer and instructor, SSU Educational Opportunity Program Mathematics Summer Bridge (with other faculty in SSU Mathematics and Statistics Department), June 2018. *Description:* Designed and taught two sections of mathematics curriculum for five-day academic component of EOP Summer bridge. Incorporated mathematical problems solving skills, data collection, and making inferences.

### 8. Nursing

a. **Ritter, B.** Board member Northbay Chapter California Association for Nurse Practitioners

b. **Smith, W.** Smith Family Foundation Summer on Campus day at SSU.

c. **Valdez, A.M.** I am currently working on publishing a qualitative study with a student. I collaborated with Dr. Altaker to teach a service-learning research course in fall that was in partnership with Santa Rosa City and Petaluma Health Centers.

d. **Werder, K.** 2018-19 SSU Structure and Functions Committee

e. **Werder, K.** 2018-19 BSN Graduation with Distinction Policy Review Committee

f. **Werder, K.** 2018-19 CCNE Accreditation Committee

G. **Werder, K.** 2018-19 Department of Nursing (DON) Pre-licensure team committee

H. **Werder, K.** 2018-19 DON Post-licensure team committee

I. **Werder, K.** 2019 DON Faculty Pool Search Committee

J. **Werder, K.** 2019 Admissions committee for pre-licensure BSN students

K. **Werder, K.** 2019 Redwood Community Health Coalition – Opioid Safety Coalition

I. **Werder, K.** 2019 Parish Council, St. Seraphim’s Church, Santa Rosa
m. Werder, K. 2018- Volunteer at Redwood Food Bank and Catholic Charities services monthly.


o. Wilkosz, ME. NIH Grant application with Kinesiology (Dr. Sokmen): Reducing Health Disparities among Minorities and Underserved Children.

9. Physics & Astronomy

a. Cominsky, L. We began working with Roseland University Prep teachers as part of our Learning by Making program. I also hosted many different student groups at the SSU Makerspace. And I supervised a senior student (Shannon Lessard) who worked with Petaluma High School students in a Dream, Make and Innovate after school club.

b. Severson, S. Organize and conduct SSU Observatory’s Viewing Nights (~ 4 public and ~ 3 course events per semester), serving students and the public.


d. Severson, S. Developed and supervised the inaugural (for credit) Physics & Astronomy Senior Capstone Seminar, PHYS 491 (1-unit) with weekly development and preparation meetings for students conducting capstone research.

e. Severson, S. Collaboration with Girl Scouts of Northern California on the development of a Space Science Badge Event hosted at SSU in the upcoming 2019-20 academic year.

G. MAJOR SERVICE CONTRIBUTIONS (e.g., committee memberships, organization of special events, new program design, new course design)

1. Biology

a. Lee, S. Together with Wendy St John, revamped the Biology 110 course. In addition to updating and refreshing content, reduced student course cost from >$250 to <$70.

b. St. John, W. Appointed to the Sustainability Executive Committee

c. St. John, W. Participated in GERS “Science” focus group

d. St. John, W. Participated in SST’s Strategic Planning Taskforce

e. St. John, W. WATERS judge at the Science Symposium on April 30th

f. St. John, W. Planning team for Sustainable Enterprise Conference 2019, and worked with Daniel Soto to plan both of the Ecological Track discussion panels.

g. Whitkus, R. Faculty Standards and Affairs Committee - Academic Senate

h. Whitkus, R. University Curriculum/Catalog Solutions Selection Committee (SU2018), ad hoc

i. Whitkus, R. Strategic Scheduling Team - Academic Affairs (ad hoc)

j. Whitkus, R. Faculty Discipline Review Group - Biology (of C-ID) - Systemwide

2. Chemistry

a. Lillig, J. Chemistry Department RTP Committee

b. Lillig, J. Chemistry Department Temporary Faculty Evaluation Committee (Chair)

c. Lillig, J. SSU EPC(Chair)

d. Lillig, J. CSUPERB FCG and SPC

e. Lillig, J. CSUPERB Symposium Abstract Selection Committee (Chair)

f. Lillig, J. GE Learning Outcomes Mapping Charrette (participant)

g. Lillig, J. CSUPERB Code of Conduct Committee (Chair)

h. Lillig, J. External Reviewer, San Jose State Department of Chemistry

i. Works, C. Past Chair Senate

j. Works, C. URTP - member

k. Works, C. FSSP – member
I. **Works**, C. Academic Freedom Subcommittee member.

3. **Computer Science**

a. **Gondree**, M. SST Professional Development Committee Member.

b. **Gondree**, M. Started as faculty advisor for the CS Club. This year, the CS Club and WiC5 jointly won the "Outstanding Club/Organization of the Year" from Student Involvement (http://getinvolved.sonoma.edu/leadership/awards).

c. **Gondree**, M. Helped the CS Club organize NomaHacks (https://nomahacks.com), which occurred at the SSU Student Center on April 5-6, 2019. NomaHacks was a free hackathon for SSU and SRJC students, the first 24-hour intercollegiate hackathon in Sonoma County, California. The event offered over $1,500 of prizes to teams competing in three vertical themes (Awareness, Energy, Transportation), for six prizes funded or donated by sponsors. The CS Club raised over $6,200 in order to provide the entire event for free to participants. The event was planned by 10 student organizers and run by a total of 16 on-site student volunteers. The event played host to approximately 84 students from SSU and SRJC, working on projects together in 12+ teams of up to 4 students each. They were recognized with the "Most Outstanding Program" award by SSU Student Involvement (http://getinvolved.sonoma.edu/leadership/awards).

d. **Gondree**, M. General Chair of the IEEE Symposium on Security and Privacy (IEEE S&P 2019, San Francisco, CA). This is the oldest, tier-one conference in this sub-discipline. It is a highly competitive venue: for the past 15 years, the conference has an acceptance rate of around 10--14%. In 2019, 679 eligible papers were submitted, and 84 papers accepted (12% acceptance rate). Compared to 2018 (63 papers), this is a 30% increase to the technical program size and required us to have parallel tracks (the first year we have ever done this for S&P). Led 20-person organizing committee responsible for all logistics associated with supporting the technical program including hotel, contracts, donations, registration, finances, publishing, audio-visual support, receptions and meals, poster session, workshop program, etc. Received over $200k in donations, awarded over $70k of student travel awards, had 650 attendees and tracked approximately $1.5 million of inlays and outlays -- each of these broke records for the history of our event. Also celebrated the 40th IEEE S&P, an anniversary year. Awarded the first "Test of Time" awards, celebrating research results appearing at our conference that have withstood the test of time. This had the added benefit of bringing back several luminaries in the field---Dick Kemmerer, Gustavus J. Simmons, Butler W. Lampson, Dorothy E. Denning, Martin Abadi---to receive awards and celebrate the anniversary.

i. Website: https://www.ieee-security.org/TC/SP2019/

ii. Social Media: https://twitter.com/IEEESSP

iii. News:

4. https://portswigger.net/daily-swig/was-this-you-study-explores-user-response-to-suspicious-login-attempts
5. https://portswigger.net/daily-swig/public-inbox-investigation-shows-email-tracking-is-rife
7. https://www.theregister.co.uk/2019/05/21/iphone_mems_gyroscope_fingerprinting/

e. **Gondree**, M. First person from a primarily teaching university or the CSU system to serve in a General Chair role for any of the top-four security conferences. Role required over a year and a half of work. Received a service award from the Technical Committee.

f. **Taneja**, S. Served as a Grace Hopper Conference (GHC) reviewer. Duties included reviewing 20 students and faculty scholarship applications (40 in total)

g. **Taneja**, S. Served as a National Center for Women in Information Technology (NCWIT) Collegiate Award Reviewer. Duties included reviewing around 5 projects from undergraduate female CS/IT enrolled in colleges/universities around the country.

4. **Engineering Science**

a. **Shrestha**, S. School of Science and Technology Curriculum Committee, Fall 2018 - Present

5. **Geology**

a. **Anfinson**, O.A. Chair-Unmanned Aviation Systems Board (2016-present)
b. **Anfinson**, O.A. Elected Member- Dispute Resolutions Board (2017-Present)(Chair beginning Fall 2019)
c. **Anfinson**, O.A. Member- Radiation Safety Committee (2015-Present)
d. **Anfinson**, O.A. Member- Copland Creek Committee (2016-present)

**Glas**, R. Committee member: SST Student research symposium coordination

f. **Glas**, R. Awarded New IRA program: Student ambassador program for watershed research

g. **James**, M.J. Department Chair, Department of Geology, AY 2018-2019.


l. **James**, M.J. Special Event: Darwin Day in Darwin Hall, February 12, 2019, guest speaker Greg Priest from the History Department, Stanford University.
m. **Mookerjee**, M. Sean Place’s replacement on APARC for the Fall semester.

**Mookerjee**, M. Geology Department RTP Committee chair.

o. **Mookerjee**, M. RTP Committee member for Engineering Dept.
p. **Mookerjee**, M. RTP Committee member for GEP Dept.
q. **Mookerjee**, M. RTP Committee member for Computer Science

r. **Mookerjee**, M. Elected to EPC.

6. **Kinesiology**

b. **Sokmen**, B. SST RTP Committee Member

c. **Sokmen**, B. SSU's Senate University Program Review Subcommittee (UPRS)
d. **Sokmen**, B. Graduate Studies Subcommittee, Advisor

**Sokmen**, B. The Health Professions Advisory Committee (HPAC)

f. **Sollanek**, KJ. A member of the Academic Freedom Subcommittee.

g. **Sollanek**, KJ. A member of the University Standards Subcommittee.
h. **Sollanek, KJ.** Submitted new course proposal to the GE Subcommittee (May 2019) as a collaboration between Kinesiology and Nursing. Kin/Nurs 290: Introduction to nutrition. Online only course. Pending approval: tentative start date spring 2020.

i. **Winter, S.** National Collegiate Athletic Association Division II Management Council Member

j. **Winter, S.** National Collegiate Athletic Association Division II MC Appeals Committee Member

k. **Winter, S.** National Collegiate Athletic Association Division II Liaison to US Olympic Committee

l. **Winter, S.** California Collegiate Athletic Association Executive Council Member

m. **Winter, S.** California Collegiate Athletic Association Steering Committee Member

n. **Winter, S.** California Collegiate Athletic Association Athletic Trainer Committee Chair

o. **Winter, S.** California Collegiate Athletic Association Faculty Athletic Rep Committee Member

p. **Winter, S.** California Collegiate Athletic Association Faculty Athletic Rep Eligibility Committee Member

q. **Winter, S.** California Athletic Trainers' Association Managing Board Member

r. **Winter, S.** California Athletic Trainers' Association Clinical Symposium Committee Member

s. **Winter, S.** California Athletic Trainers' Association Honors and Awards Chair

7. **Mathematics & Statistics**

a. **Herring, S.** Department Chair June 2019 - present

b. **Herring, S.** SST representative to the ASPIRE (Assisting Schools and Programs in Inquiry, Review and Evaluation) Task Force, Academic Affairs Office, 2016-present.

c. **Herring, S.** Member, SST Strategic Planning Taskforce, Spring 2019

d. **Herring, S.** Department of Engineering Service, Major Activities

e. **Herring, S.** Member, Engineering Search Committee, 2018-2019

f. **Herring, S.** Department of Mathematics and Statistics Service, Major Activities:

g. **Herring, S.** Chair of Department of Mathematics and Statistics, Summer 2019-present, Fall 2016, Summer 2013; August 2004-August 2006

h. **Herring, S.** Member, Stretch Math Course Development, Developed new workbook materials, curriculum and pedagogy, 2016-present

i. **Herring, S.** Member, Part-time Math Faculty Hiring Committee, Every year since 2005

j. **Herring, S.** Advisor for Statistics Majors and Minors


l. **Hobson, N.** SSU Mathematics Festival, Poster Organizer, May 2019.

m. **Hobson, N.** Educational Opportunity Program (EOP) Mathematics Summer Bridge Leader, Summer 2018.

n. **Hobson, N.** Faculty-in-Residence, U-Engage Community, August 2018- Present.

o. **Hobson, N.** STEM Advisor Panelist, Piner High School Annual Showcase and Awards Ceremony, May 2019.

p. **Ortega, O.** Organizer, Association for Women in Mathematics (AWM) Research Symposium. Planned and orchestrated poster sessions, scientific symposia, plenary speakers, funding, and a banquet for over 300 attendees. The research symposium showcased research from women across the mathematical sciences working in academia, government and industry, as well as featured the work of women from across the career spectrum. Rice University, Houston, TX. 2019.

q. **Ortega, O.** Organizer, Sonia Kovalevsky High School Mathematics Day, Sonoma State University. Coordinated volunteers, wrote grant proposals, and coordinated a day of mathematics and mentoring for 150 high school-age young women at Sonoma State University’s campus. 2019
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<th>8. Nursing</th>
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<tr>
<td>a. Altaker, K. Developed and Delivered Workshop “Exploring Evidence-Based Practice” for Sutter Santa Rosa Regional Hospital Nursing Research Council – serving northern California nurses and leaders in Sutter health system. May 22, 2019. A four hour workshop engaging nurses in research and furthering the advancement of research activity across the system to improve quality of care.</td>
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<td>b. Altaker, K. Search Committee for Part-Time Lecturer Pool</td>
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<td>c. Altaker, K. Service Learning Course Development with Petaluma Health Center and Santa Rosa City Community Engagement Office</td>
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<td>d. Altaker, K. Assistant Director Post-Licensure BSN Program</td>
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<td>e. Altaker, K. Nursing Department Library Liaison</td>
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<td>f. Altaker, K. Baccalaureate Team committee member</td>
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<td>g. Altaker, K. Senior Post-Licensure Team Member</td>
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<td>h. Altaker, K. Nursing Advisory Board with Community College Nursing and Clinical Partners</td>
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<tr>
<td>i. Altaker, K. Elected Search Committee for AVP HR.</td>
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<td>j. Altaker, K. Re-Elected At-Large Member of Academic Senate Diversity Subcommittee, Elected Chair for 2019-2020 AY.</td>
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<td>k. Altaker, K. Service Learning with Petaluma Health Center and Santa Rosa City Community Engagement Office</td>
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<td>l. Altaker, K. Trans-Life Professional Symposium Participation, Organized by Santa Rosa Community Health Center, at the Finley Center in Santa Rosa, CA (April)</td>
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<td>m. Altaker, K. Nursing Research Consultant – Sutter Santa Rosa Regional Hospital Nursing Research Council Member.</td>
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<td>n. Altaker, K. Sigma Theta Tau Lambda Gamma Board Member (plan events, coordinate with academic and local community leaders &amp; students to promote scholarship, research, service and leadership opportunities)</td>
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<tr>
<td>o. Altaker, K. Online &amp; Blended Teaching Institute – Faculty Center, Lead Faculty facilitator, instructor &amp; presenter</td>
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<tr>
<td>p. Altaker, K. Convocation Attendance (August)</td>
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<tr>
<td>q. Altaker, K. School of Science &amp; Technology Commencement Participant (May)</td>
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<td>r. Altaker, K. Facilitation of Student Research Showcase at Symposium of Research and Creativity. (May)</td>
</tr>
<tr>
<td>s. Altaker, K. Facilitation of Student Research Poster Session (December)</td>
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<tr>
<td>t. Altaker, K. School of Science and Technology Professional Development Committee Member</td>
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<tr>
<td>u. Altaker, K. Writing Intensive Course Program, continue to develop &amp; deliver writing intensive courses incorporated into nursing curriculum.</td>
</tr>
<tr>
<td>a. Altaker, K. Annual Women’s Reception Open House – Attendance and Participation (October)</td>
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<tr>
<td>b. Ritter, B. SSU FNP (Family Nurse Practitioner) team meetings</td>
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<td>c. Smith, W. Nursing Dept Committee of the whole, Department RTP Committee, FNP Graduate Program Admissions.</td>
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<td>d. Valdez, A.M. National Education Progression in Nursing Collaborative: Equity Alliance</td>
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<td>e. Valdez, A.M. Journal of Emergency Nursing Editorial Board</td>
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<td>f. Valdez, A.M. Health Impact Advisory Board Member</td>
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<td>g. Valdez, A.M. Health Workforce Initiative Board Member</td>
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<tr>
<td>h. Valdez, A.M. California Organization of Associate Degree Nursing Deans and Directors, Past President</td>
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<tr>
<td>i. Valdez, A.M. California Community College Chancellor's Office Nursing Advisory Council</td>
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</tbody>
</table>
9. Physics & Astronomy

a. **Cominsky, L.** I chaired Chemistry department and served on University RTP in the fall semester as Carmen Works' sabbatical replacement. I overhauled the Science 220 course to truly include service learning.

b. **Severson, S.** Chair, Department of Physics & Astronomy Tenure Track search, resulting in the successful hire of two incoming Assistant Professors.

c. **Severson, S.** Member, Department of Physics & Astronomy Instructional Support Tech search, resulting in the successful hire of a new technician.

d. **Severson, S.** Member of the School of Science and Technology Professional Development Committee

e. **Severson, S.** Member of the School of Science and Technology Curriculum Committee

f. **Severson, S.** Incoming Chair of Physics & Astronomy.

g. **Targett, T.** Chair SST Curriculum Committee - scheduled and organized meetings, posted agenda, led discussions, and advanced curricular changes to the SST Dean and EPC.

h. **Targett, T.** Co-led replacement and re-opening of SSU campus observatory (jointly with Prof. Scott Severson) - oversaw complete rebuild of campus observatory, refurbishment of telescopes and infrastructure, organized campus-wide opening event.

i. **Targett, T.** Oral Communication Core Competency Committee - developed oral communication assessment rubric for application across SSU (assessed over 30 SSU student presentations) to ensure compliance with WASC core competencies requirement.

j. **Targett, T.** Interview of “Chronicle of Higher Education” on developing teaching methods - shared details of my initiatives in the development of flipped and online class implementation.

k. **Targett, T.** Main speaker at SSU International Reception event, part of International Week 2017 - presentation to SSU faculty and staff, with focus on international educational practices.

l. **Targett, T.** Faculty advisor, Sonoma State eSports group (80 student members) - organized chartering, meetings, facilities, and campus-wide events hosted by the group.

m. **Targett, T.** Faculty advisor, SSU Society of Physics Students (15 student members) - organized chartering, meetings, facilities, and campus-wide events hosted by the group.

n. **Targett, T.** Co-lead organizer and docent, SSU Public Observing Nights (4 per semester) - hosted over 500 students, staff, faculty, and community members at the SSU observatory, including presentations, discussion, and guided exploration of the night sky.

o. **Targett, T.** Presentation at “Dinner with the Profs”, Living Learning Community at SSU (20 attendees) - led student discussion group on astronomy topics and career skills development.

p. **Targett, T.** Invited speaker, round table discussion on “Conflicts between short-term sociopolitical desires and long-term goals for a healthy Earth” (30 student and faculty attendees) - discussion of sustainability and energy usages from a physics perspective.

q. **Targett, T.** Organized campus-wide games tournament on LoboVision (400 attendees) - planned, organized, and implemented open games tournament on campus

r. **Targett, T.** Interviews with several local newspapers (e.g. Sonoma State Star and Press Democrat) - topics included SSU observatory rebuild/reopening and 2017 total solar eclipse.

s. **Targett, T.** OLLI presentation at SSU, “Myths of Astronomy” (50 attendees) - talk detailing the scientific method and pervasive miss-understandings disseminated via the entertainment media.

t. **Targett, T.** Public presentation at Wonderfest, “Myths of Astronomy” (300 attendees).

u. **Targett, T.** Presentation to the students at Cloverdale High, “Myths of Astronomy” (40 attendees).
v.  **Targett, T.** Physics and Astronomy presentation to TekTrek, “Myths of Astronomy” (120 attendees).
w.  **Targett, T.** Physics and Astronomy presentation to Girl Scouts of America SSU campus visit, “Myths of Astronomy” (40 attendees).
x.  **Targett, T.** Organized campus-wide Ceilidh (Scottish dance social event) (50 attendees) - with live music and dance instruction.

**H. ADDITIONAL IMPORTANT ACCOMPLISHMENTS**

1. **Biology**
   a.  **Lee, S.** Admin for the Biology Department Facebook page; service on department's outreach committee.
   b.  **St. John, W.** Created and maintained the Sustainable Enterprise Conference 2019 website: https://www.northbaysec.org/

2. **Chemistry**
   a.  **Farmer, S.** Received the SSU Affordable Learning Hero award.
   b.  **Lillig, J.** Shepherd for the new GE program through faculty governance.

3. **Computer Science**
   a.  **Gill, G.** and **Gondree, Mark** received Best ePortfolio award at the annual Course Redesign with Technology (CRT) meeting in June 2018. ePortfolio contained implementations, assessment methods, and outcome measures developed in redesigning programming I (CS 115).
   c.  **Taneja, S.** 2019-20 Faculty-in-Residence (FIR) working in the residential community to promote co-curricular initiatives connected to our Freshmen Year Experience (FYE) program.

4. **Engineering Science**
   a.  **Shrestha, S.** Became Senior Member of IEEE
   b.  **Shrestha, S.** Met with the vice chancellor of Kathmandu University and former deputy prime minister of Nepal at a conference.
   c.  **Shrestha, S.** Met with the vice chancellor of Open University Nepal and former vice chancellor of Tribhuvan University.

5. **Geology**
   b.  **Glas, R.** Guest lecture: Humboldt State University
   c.  **Glas, R.** Guest lecture: UC Santa Cruz
   e.  **James, M.J.** My writing, and my 35 years of experience in the Galapagos Islands, is the subject of a podcast in the series called "Time to Eat the Dogs" hosted by historian Michael Robinson. This is a podcast about science, history, and exploration. The link to my episode of the podcast is here: https://timetoeatthedogs.com/2019/01/28/the-galapagos-expedition-that-vindicated-darwin/.
| f. | Mookerjee, M. In coming Department Chair of the Geology Department. |
| g. | Mookerjee, M. Vice-chair of the Cyberinfrastructure and Data Science Division of GSA |
| i. | Waters, L. Awarded one of the three Mineralogical Society of America Distinguished Lecturer positions |
| j. | **Kinesiology** |
| a. | Sollanek, KJ. Served as a reviewer for the journal “Wilderness & Environmental Medicine.” Reviewed one manuscripts during the 2018-2019 academic year. |
| k. | **Mathematics & Statistics** |
| a. | Herring, S. Perform statistical analysis and prepare written reports for approximately 35 schools that participate in Project Fit America each year, 2011-present |
| b. | Herring, S. Performed statistical analysis and prepared written report for Mentor Me Petaluma, Fall 2018 |
| c. | Herring, S. Developed, implemented, analyzed and prepared written reports for Point Reyes National Seashore, Fall 2018. Current data will be compared to data collected and analyzed between Fall 1996 and Fall 1998. |
| d. | Herring, S. Book Reviews, Accuracy Checks and Curriculum Development: |
| b. | Ortega, O. Koret Research Scholar, Sonoma State University 2019 |
| l. | **Nursing** |
| a. | Altaker, K. Nominated for “Excellence in Nursing Education” Award from Sigma Theta Tau, Lambda Gamma; awarded February 2, 2019. |
| b. | Altaker, K. Developed and conducted survey of incoming post-licensure students’ knowledge, skills and attitudes around Palliative Care Nursing competencies, as part of larger project to integrate updated American Association of Colleges of Nursing (AACN) recommendations. |
| c. | Altaker, K. Implemented NURS 560 Master’s Research course with Service Learning project to benefit community partners Petaluma Health Center and Santa Rosa City-Office for Community Engagement. https://www.srcity.org/250/Community-Engagement |
| d. | Altaker, K. Facilitated guest presenter and participated in a Gender Bias workshop for Nursing Faculty (March) |
| e. | Altaker, K. Participation in CSU Palliative Care symposium, submitted seed grant proposal for furthering explorations of community college partners’ palliative care content that meets BSN recommended competencies (AACN). (October) |
| f. | Altaker, K. Co-Represented Nursing Department at Accreditation Preparation Workshop for Commission on Collegiate Nursing Education (CCNE) Washington DC. (October). |
| g. | Altaker, K. Attended National Nursing Ethics Conference, Los Angeles, California (March) |
| h. | Altaker, K. Development and implementation of curriculum and instruction for Online and Blended Teaching Excellence Program in collaboration with Faculty Center to promote quality online teaching skills. (Spring 2018, Fall 2018, & Spring 2019) |
| i. | Ritter, B. Ongoing clinical practice as FNP |
| j. | Ritter, B. Ongoing Continuing medical education to meet practice requirements and recertification as a FNP |
k. **Smith, W.** Teaching the very first course FNP students take on entry into Program and teaching the very final course FNP students take prior to graduation. To work with students at both ends of the spectrum is very rewarding being witness to the change professionally in their new role is a wonderful experience.

l. **Smith, W.** Mentoring new faculty in all nursing programs and serving as the Assistant Director of MS and PMC FNP Programs.

m. **Valdez, A.M.** Inducted as a Fellow in the Academy of Associate Degree in Nursing

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<th>n. Physics &amp; Astronomy</th>
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<td>a. <strong>Severson, S.</strong> Supervised student research, most notably the construction of a Laser Interferometric Gravitational Observatory Simulator, for which SSU Student Zack Tweedy was selected to represent SSU and the School of Science and Technology at the CSU Research Competition.</td>
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<td>b. <strong>Severson, S.</strong> Dedicated investment in Campus-wide GE revision as interested party. Provided feedback to EPC and Senate, including attending 3 meetings apiece. Drafted, circulated and submitted letter from SST chairs regarding &quot;Overlay&quot; requirements, and fought successfully for a reduction in the amount of overlay requirements in collaboration with Professor Targett.</td>
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