As a culminating experience for the master’s degree program, the thesis attests to the highest level of the student’s academic, scholarly, and creative abilities. Each student works under the guidance of a faculty thesis chair and committee. The resulting thesis is viewed with pride as a reflection of the scholarly promise of the student and a commitment to excellence for the university. This spring 2010 semester, 70 students completed theses and dissertations in areas as varied and original as the students themselves. What follows is a complete list of spring 2010 publications by college/school and some research highlights.

### JORDAN COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

#### Food Science and Nutrition

**Wan-Hsia Lee**  
Eating Behaviors in Overweight/Obese California State University, Fresno Students  
*(Chair: Sandra Witte)*

**Regina Ocampo**  
The Effect of Nutrition Education with Parent Components on Participation in the School Breakfast Program  
*(Chair: Dennis Ferris)*

**Fredie Pacudan**  
A Comparative Study of an Ecofriendly Lye Peeler Prototype Versus a Current Commercial Lye Peeler  
*(Chair: Gour Choudhury)*

**Michelle Carrick**  
Effect of Pistachios on Resting Energy Expenditure and Weight in Subjects with Metabolic Syndrome  
*(Chair: Lisa Herzig)*

#### Plant Science

**Emily Smith**  
Grapevine Deficit Irrigation and Its Effect on Mite (Acar: Tetranychidae) and Leafhopper (Hemiptera: Cicadellidae) Populations  
*(Chair: Andrew Lawson)*
**Viticulture and Enology**

**Sean Jacobs**
Effect of Rootstock and Water Stress on Gas Exchange, Water Relations, and Water-Use Efficiency in Petite Sirah Grapevines  
*(Chair: Sanliang Gu)*

**Erik Mallea**
Effect of Abscisic Acid on Tannin Development in Syrah Berries  
*(Chair: Sanliang Gu)*

---

**Creative Writing—Master of Fine Arts**

**Jasmine Armstrong**
The Custodian’s Daughter  
*(Chair: Timothy Skeen)*

**Marcus Chinn**
The Crayon Eater  
*(Chair: Timothy Skeen)*

**Juan Guzman**
Another Mouth  
*(Chair: Connie Hales)*

**Rachel Jackson**
Here and Gone: A Memoir  
*(Chair: Steven Church)*

**Vicki Johnson**
Mirage  
*(Chair: Alex Espinoza)*

**Sarah Fawn Montgomery**
How We Are: Our Memoir in Fortus  
*(Chair: Steven Church)*

**Amanda Smith**
Life Imagined  
*(Chair: Alex Espinoza)*

**Sallie Saiz**
Mi vida de chocoláte  
*(Chair: John Hales)*

---

**Art**

**Emily Krause**
Suzanne Lacy: *Three Weeks in May*  
*(Chair: Keith Jordan)*

---

**English**

**Joyce Baker**
Literary Depictions of Anglo-Saxon Queens  
*(Chair: Lisa Weston)*

**Corinth Gibbs**
Edith Nesbit’s Stories of the Bastables: Construction of a New Genre of Literature for Children  
*(Chair: Ruth Jenkins)*

© Joyce Baker's thesis depicts how early medieval writers modeled cultural ideologies of **queenship** during a time when that institution was changing and the queen's role was not clearly defined.
Andrea Mele
Critical Jouissance: Re-Reading Genre, Performativity, and Politics in Lesbian Nonfiction
(Chair: John Beynon)

Sharla Seidel
Teaching Large-Scale Revision: Pedagogical Implications and First-Year Writing Students
(Chair: Virginia Crisco)

Modern and Classical Languages and Literatures
Sanjuana López Hernández
La relación entre la realidad, ficción y exageración en la novela picaresca
(Chair: Ted Bergman)

Civil Engineering
Gurjot Gill
Analysis of Slender Masonry Walls with Moment Magnification Method
(Chair: Ching Chiaw Choo)

Kinesiology
Daisuke Shibata
The Effect of Stretch-Shortening Cycle-Induced Muscle Fatigue on Premotor Reaction Time
(Chair: Jacobo Morales)

Amanda Stetler
The Effects of an Inspiratory Muscle Training Program on Maximal Inspiratory Pressure and Swimming Performance
(Chair: Felicia Greer)

Zoltan Torok
The Effect of Creatine and/or Caffeine Ingestion on Repeated Bouts of High-Intensity Exercise Performance
(Chair: Felicia Greer)
**Social Work Education**

Leticia Rubio  
The Utilization of Preplacement Preventive Services in a Public Child Welfare Agency  
*(Chair: Betty Garcia)*

---

**KREMEN SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT**

**Doctoral Program in Educational Leadership**

**Idia Abode**  
The Impact of Student Response System on Third Graders’ Learning, Motivation, and Engagement  
*(Chair: Susan Tracz)*

**Johnny Alvarado**  
Encouraging Preadolescent Emotional Intelligence Through Leadership Activity  
*(Chair: Pamela Lane-Garon)*

**Jothany Blackwood**  
The Influence of Mentoring on Female Administrators and Leaders in California Community Colleges  
*(Chair: Sharon Brown-Welty)*

**Devin Blizzard**  
Whose Accountability is it? Conceptual Metaphor and Affinity for Learning Outcomes Based Accountability: Comparisons between California PreK-12 and Higher Education Leaders  
*(Chair: Sharon Brown-Welty)*

**Kimberley Boyer**  
Investigating Differences among Asian American Youth Participating and not Participating in Grant-Funded High School After-School Programs  
*(Chair: Susan Tracz)*

**Teneecia Brannon**  
The Effects of Classroom Management Beliefs/Ideologies on Student Academic Success  
*(Chair: Sharon Brown-Welty)*

**Rob Darrow**  
A Comparative Study Between Online Charter High Schools and Traditional High Schools in California  
*(Chair: Kenneth Magdaleno)*

---

*Improving California’s education system is a core function and mission of California State University (CSU). The CSU system is particularly well-suited to helping bring more education doctorates to underserved populations, given its success in attracting, retaining and graduating students from underrepresented groups.*

http://education.csufresno.edu/dpelfs/

<Rob Darrow compared students attending online charter schools with students attending traditional high schools in California to determine if at-risk students are more successful in online charter schools.*
Ben Drati
Closing the Achievement Gap: A Study on the Relationship Between Emotional Intelligence, Race Identity Attitudes, and Academic Achievement with African American Adolescents
(Chair: Kenneth Magdaleno)

Marc Hammack
Perceived Leadership Practices of California Elementary Principals in Relation to Leadership Coaching
(Chair: Donald Wise)

Melissa Ireland
An Examination of the Relationship Between Teachers’ Perceptions of the Presence of Professional Learning Community Attributes and Student Achievement
(Chair: Susan Tracz)

Shannon Lawrence
Closing the Achievement Gap: Factors That Promote Academic Resilience in High School Foster Youth
(Chair: Kenneth Magdaleno)

Gary Lowe
Correlations Between California Academic Performance Index Scores and College Attendance Rates
(Chair: David Tanner)

Eimear O’Farrell
The Effects of Participation of School Children as Mediators in Contrast to Non-Mediators in a Mentored Mediation Program as Related to Academic Achievement, Developmental Disposition, and Conflict Orientation
(Chair: Elaine Garan)

Ron Oxford
Library 2.0 and Information Competency in California Community College Distance Education Programs: A Descriptive Study
(Chair: Ron Unruh)

Tangee Pinheiro
Outcomes of a Summer Institute for Teachers of Students with Autism and Emotional Disturbance
(Chair: James Marshall)

Adrian Ramirez
The Impact of the College Assistance Migrant Program on Migrant Student Achievement in the California State University System
(Chair: Ron Unruh)

The doctoral dissertation is the culminating experience for doctoral studies in the Doctoral Program in Educational Leadership at Fresno State. This year marks the first class of doctoral students to complete the independent Ed.D. Twenty students completed dissertations, demonstrating the highest level of scholarship.

Gary Lowe sought to determine whether API scores are correlated with college attendance rates.

Eimear O’Farrell’s study contributes to the sustainability of mentored peer mediation programs in schools, by providing a clearer understanding of the interconnections among academic achievement, developmental disposition, and conflict orientation.
Laura Miller
evaluate
d the presence of heartworm antigen in domestic dogs in Madera and Fresno Counties to test for the effects of habitat and other environmental variables on prevalence.

Klaus Tenbergen
researched the use of well-established articulation agreements traditional within higher education institutions in California and their impact on student transfer and completion time-frames and rates.

Counseling, Special Education, and Rehabilitation

Ella Shasky
The Effects of Social Skills Training on a Student with Attention Deficit Hyperactivity Disorder
(Chair: Susan Tracz)

COLLEGE OF SCIENCE AND MATHEMATICS

Biology

Laura Miller
Canine Heartworm (Dirofilaria immitis) in Fresno and Madera Counties, Ca: Prevalence Differences Between Foothill and Valley Floor Habitats
(Chair: Paul Crosbie)

Bradley Schleder
Residential Irrigation as a Driver of Urban Bird Community Structure (Chair: Madhusudan Katti)

Sara Nilmeier
The Effect of Ghrelin on Glucose Metabolism and the Growth Hormone/Insulin-Like Growth Factor-1 (Gh/Igf-i) Axis in the Tilapia, Oreochromis mossambicus
(Chair: Larry Riley)
Biotechnology

Julie Hale
Proteomic Evaluation of Pesticide-Resistant Breast Cancer Cell Lines
(Chair: Jason Bush)

Shaghayegh Morshedian
Comparative Analyses of Osteotropic Human Breast Cancer Cells in Response to a Bisphosphonate Drug
(Chair: Jason Bush)

Chemistry

Kurtis Thiesen
Synthesis, Characterization, and Use of New, Chiral P-N Ligands in the Palladium-Catalyzed Asymmetric Allylic Alkylation, and a New Synthetic Route to the Preparation of Optically Active Cyclomercurated Ferrocenylimines
(Chair: Saeed Attar)

Geology

Douglas DeFlitch
Measurement and Monitoring of Bedload Sediment Transport Along the Upper San Joaquin River from Gravelly Ford to the Chowchilla Bypass Bifurcation Structure, California
(Chair: Zhi Wang)

Emily Fisher
Tectonic Inversion Related to Paired Migrating Bends and Step-Overs: A Structural and Geomorphologic Analysis of the Fish Lake Valley Area, California-Nevada
(Chair: John Wakabayashi)

Physics

Kenia Velasco
Waves in an Accretion Disk: Negative Superhumps in V378 Pegasi
(Chair: Frederick Ringwald)

Julie Hale analyzed statistical data suggesting that past use of pesticides Methoxychlor and Toxaphene shows a positive association with age-adjusted incidence of breast cancer in Hispanic women in Central California counties.

Kenia Velasco presented the results obtained from the unfiltered photometric observations of the cataclysmic variable V378 Pegasi during 2001, 2008, and 2009.
**Psychology**

David Hebert  
Effect of Self-Management Training on Adherence to Therapeutic Exercise Regimens  
*(Chair: Amanda Adams)*

Christopher Hernandez  
The Creation and Validation of the Loneliness Engagement Scale  
*(Chair: Jennifer Ivie)*

J.P. Moschella  
A Component Analysis of the Effects of Graduated Exposure and Differential Reinforcement on Phobic Behaviors  
*(Chair: Amanda Adams)*

Alyson Padgett  
The Effects of Noncontingent Reinforcement on Rapport Building in Children with Autism  
*(Chair: Amanda Adams)*

Gunjandeep Singh  
Effect of Core and Sociomoral Disgust on Moral Judgments  
*(Chair: Paul Price)*

**School Psychology (Ed.S.)**

Marisela Cordero  
Migrant Father Involvement in Early Education Programs  
*(Chair: Marilyn Wilson)*

Elvira Frantz  
Body Dissatisfaction, Acculturation Level, and Acculturative Stress Among Mexican American Adolescent Girls  
*(Chair: Marilyn Wilson)*

Melissa Freitas  
Exploring Teacher Judgments of Children Based on Indices of Poverty  
*(Chair: Jean Ritter)*

Kately Kelly  
The Characteristics and Degree of Traditional Bullying and Cyberbullying in the Schools  
*(Chair: Karl Oswald)*
Fifth Monarchists were in positions of influence and believed it in their power and mandate to bring about immediate change. They saw themselves as a hinge of history that would open the doors of opportunity for themselves and others.

Matthew Schulz developed an educational marketing tool and provided it to a treatment group in an outpatient medical imaging center to measure degree of medical setting uncertainty and the impact on ratings of health system satisfaction.