

# thesis review 2005

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 2005 semester, 54 students completed theses in areas as varied and original as the students themselves. What follows is a complete list of Spring 2005 theses by college/school and some research highlights.

## COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

### *Plant Science*

**Matthew Beene** (read [ABSTRACT](#))  
Ammonia Emissions from Nitrogen Applied in a Site-Specific Manner  
(Chair: Charles Krauter)

**Laurel May** (read [ABSTRACT](#)) **University Graduate Medalist**  
The Asian Woolly Hackberry Aphid, *Shivaphis celti* das (Homoptera: Aphididae), An Introduced Pest in California  
(Chair: Andrew Lawson)

**Hitoshi Suyama** (read [ABSTRACT](#)) **2005 Outstanding Thesis Award, Nominee**  
Biomass Production and Nutritional Value of Salt-Tolerant Forages Irrigated with Saline-sodic Drainage Water: Field and Greenhouse Studies  
(Chair: Sharon Benes)

### *Viticulture and Enology*

**William Carlton** (read [ABSTRACT](#))  
A Method for the Determination of Acetaldehyde in Wine and Its Application to Micro-Oxygenation  
(Chair: Kenneth Fugelsang)

**Donald Chaney** (read [ABSTRACT](#))  
Microbial, Chemical, and Sensorial Considerations for Managing High-Density Fermentations  
(Chair: Roy Thornton)



Laurel May developed an effective management program for the Asian Woolly Hackberry Aphid, a pest that produces copious honeydew and promotes black, sooty mold.

William Carlton developed a 30-minute method to detect increases in and quantify the concentration of acetaldehyde in wine, an analytical tool winemakers can use to know when to stop the micro-oxygenation process.

**Elizabeth Dickson** (read [ABSTRACT](#))

The Effects of Three Nitrogen Fertilization Rates on the Fruit Composition of *Vitis Vinifera* cv. Cabernet Sauvignon  
(Chair: Robert Wample)



**Linda Glassman** (read [ABSTRACT](#))

2,4,6-Trichlorophenol Production in American Toasted Oak (*Quercus Alba*)  
(Chair: Kenneth Fugelsang)

## COLLEGE OF ARTS AND HUMANITIES

### *Creative Writing—Master of Fine Arts*

**Antonia Araujo** (read [ABSTRACT](#))

Casework  
(Chair: Connie Hales)

**Neelam Bains** (read [ABSTRACT](#))

Eating Tandoori: A Punjabi Girlhood  
(Chair: Lillian Faderman)

**Amber Folland** (read [ABSTRACT](#))

Democracy's Couch and Other Stories  
(Chair: Liza Wieland)

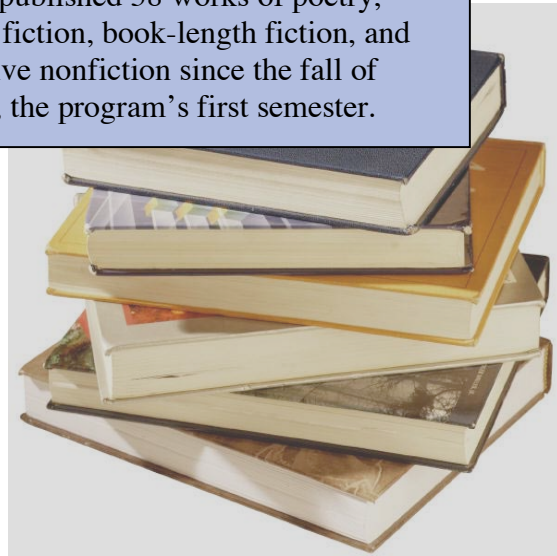
**Linda Ramos** (read [ABSTRACT](#))

My Father's Daughter  
(Chair: Lillian Faderman)

**Kirk Stone** (read [ABSTRACT](#))

The Numinous  
(Chair: Liza Wieland)

Creative writers in the MFA program have published 58 works of poetry, short fiction, book-length fiction, and creative nonfiction since the fall of 1996, the program's first semester.



### *English*

**Kristine Oliveira** (read [ABSTRACT](#))

Coming to Praxis: Critical Pedagogy in a California Public High School  
(Chair: Anthony Michel)

Kristine Oliveira and Myshel Ortiz contribute fresh insight to the argument for composition reform at the high school and junior college levels.

**Myshel Ortiz** (read [ABSTRACT](#))

Composition Pedagogy Reform at the Two-Year College  
(Chair: Richard Hansen)

**Mary Paul** (read [ABSTRACT](#))

Marketing Women's Writing in Eighteenth-Century England: The Consideration of Audience in the Works of Mary Astell, Lady Mary Wortley Montagu, and Frances Burney  
(Chair: John Beynon)



Mary Paul shows how three 18<sup>th</sup>-century English women adopted various rhetorical strategies to better market their writing and to reach their target audience more efficiently.

**Bendta Schroeder** (read [ABSTRACT](#))

Select, Order, Shape: Women's Authority and the Generic Conventions of Life-Writing in the Novels of Anne Brontë

(Chair: Ruth Jenkins)



**Joseph Teller** (read [ABSTRACT](#)) **2005 Outstanding Thesis Award, Nominee**

Inconstant Devotion: John Donne's Catholic Identity and the *Divine Poems* of 1608-1611

(Chair: Reuben Sanchez)

**John Wilson** (read [ABSTRACT](#))

Colored By Design: A Collection of Essays on Race and Family

(Chair: Lillian Faderman)

### *Spanish*

**Gladys Hawkins** (read [ABSTRACT](#))

Crítica a La Corona en *Soledades* de Góngora

(Chair: Saul Jimenez-Sandoval)

### *Mass Communication and Journalism*

**Douglas Carey** (read [ABSTRACT](#))

A Critical Analysis of the Financial Models Employed by Student Newspapers in the California State University System

(Chair: Tamyra Pierce)



## CRAIG SCHOOL OF BUSINESS

### *Business Administration*

**Andrew Kucera** (read [ABSTRACT](#))

Relationships Between Mediator and Case Characteristics and the Resolution of Mandatory Settlement Conferences

(Chair: Mark Kepler)

## COLLEGE OF HEALTH AND HUMAN SERVICES

### *Kinesiology*

**Nancy Furcsik** (read [ABSTRACT](#))

The Characteristics of Mentorship in Athletic Training

(Chair: Scott Sailor)

Nancy Furcsik examines the influence of mentors on the professional development of athletic trainers.

**Andrés Hernández** (read [ABSTRACT](#))

Effect of Acute Thermal-Induced Hypohydration on Recovery  $\dot{V}O_2$  and Heart Rate

(Chair: Michael Coles)



**Ryan Luke** (read [ABSTRACT](#))  
Oxygen Cost and Heart Rate Response  
During Interactive Whole Body Video Gaming  
(Chair: *Michael Coles*)

In his thesis, Ryan Luke examines how video gaming that requires the use of whole body movement to complete prescribed tasks can help curb child and adolescent obesity rates in the U.S.

### *Public Health*

**Rick Boyer** (read [ABSTRACT](#))  
Fine Particulate Matter and Acute Myocardial  
Infarctions: A Retrospective Study  
(Chair: *Sandra Donohue*)

**Clara Escamilla** (read [ABSTRACT](#))  
Use of University Medical Center, Fresno, California  
Emergency Department as a Primary Healthcare Site  
by Low Socioeconomic Individuals, 2000-2002  
(Chair: *Sandra Donohue*)



### *Social Work Education*

**Sarah Blancas** (read [ABSTRACT](#))  
Independent Living Programs for Transitioning Youth: Narrowing the Gap to Reaching Self-  
Sufficiency Through Implementation of the Explorer Program Model  
(Chair: *Debra Harris*)

**Josephine Burnias** (read [ABSTRACT](#))  
Immigrant Parents' Perceptions of Barriers That May Hinder Their Involvement With the School  
System  
(Chair: *Jane Yamaguchi*)

**Catherine Garoupa** (read [ABSTRACT](#))  
Ethics and Confrontational Tactics:  
Considerations for Social Workers and  
Community Organizers  
(Chair: *Donna Hardina*)

Catherine Garoupa interviewed activists in the local peace and social justice community to help provide a framework for social worker interaction with community organizers.

**Stephanie Grant** (read [ABSTRACT](#))  
The Effects of Social Promotion  
(Chair: *Virginia Rondero Hernandez*)



**Erica Hasenbeck** (read [ABSTRACT](#))  
Substance Abuse Recovery and Reunification  
in the Child Welfare System: Mothers' Stories of Success  
(Chair: *Debra Harris*)

**Jeanna Sullivan** (read [ABSTRACT](#))  
Parent Satisfaction with Concurrent Planning Services Provided by California's Fresno County  
Department of Children and Family Services  
(Chair: *Debra Harris*)

*Joint Doctorate in Educational Leadership*

**Philip Sanmi Abode**

An Exploratory Study of the Relationship Between Organizational Strategy and Performance Among California School Districts

*(Chair: Sharon Brown-Welty, California State University, Fresno)*

**Nancy J. MacDonald Clark**

The Relationship of Stress and Gender of University Academic Deans to the Development of Minor and Major Illness One Year or More Post Appointments

*(Chair: James Catterall, University of California, Los Angeles)*

**Sheila Mary Folan**

The Influence of the California Partnership Academy Small Learning Community Model on Student Outcomes in One Suburban School District

*(Chair: Cary Trexler, University of California, Davis)*

**Carole Suzanne Goldsmith**

Leadership for Creating a Learning College: A Study of Perceived Leadership Styles

*(Chair: Sharon Brown-Welty, California State University, Fresno)*

**Victoria A. Malko**

Language, Culture, and Pedagogy: Immigrants from the Former Soviet Union Studying English as a Second Language in California Postsecondary Institutions

*(Chair: Karen Carey, California State University, Fresno)*

**Paz Fernando Marroquin**

Effects of Focal Position, Locus of Decisions, and School Academic Performance on Teacher Screening Decisions

*(Chair: Phillip Young, University of California, Davis)*

**Elizabeth Swearingin**

The Performance of Identity as Embodied Pedagogy: A Critical Ethnography of Civil War Reenacting

*(Chair: Susan Tracz, California State University, Fresno)*

**Dympna Ifeoma Ugwu-Oju**

Successful African-American Women: Influence of Personal, Family, and School Factors in Overcoming "At-Risk" Situations Such as Severe Poverty, Racism, Poorly Educated Parents, Welfare Dependency, Teen Motherhood, as Well as Poor School and Community Environments

*(Chair: Karen Carey, California State University, Fresno)*

**Patricia Jean Woodward**

Faculty and Student Computer Usage in Higher Education: Faculty and Student Responses to CSU Technology Surveys

*(Chair: Karen Carey, California State University, Fresno)*

The doctoral dissertation is the culminating experience for doctoral studies in the Joint Doctoral Program in Educational Leadership—an interdisciplinary doctoral program between California State University, Fresno and the University of California. In 2004-05, nine students completed dissertations, demonstrating the highest level of scholarship. Since the program's inception in 1991, 88 students have completed requirements for the Joint Doctoral Program.



## *Education—Curriculum and Instruction*

**Denise Dedini** (read [ABSTRACT](#)) **2005 Outstanding Thesis Award, Nominee**  
Mathematics Problem-Solving Strategies, Confidence, Attitudes, and Achievement Among  
Students in Grades 4-8: Gender and Grade Level Effects

(Chair: Carol Fry Bohlin)

**Naomi Kent** (read [ABSTRACT](#))  
Duration of Teacher Participation in a Professional  
Development Project: Relationship to Students'  
Mathematics Achievement in Grades 2-6

(Chair: Carol Fry Bohlin)

**Cleta Ortiz** (read [ABSTRACT](#))  
Curriculum and Instructional Methods  
in Multiage Classrooms

(Chair: Joe Parks)

Denise Dedini and Naomi Kent investigate mathematics achievement and its relationship to gender and grade level.



## *Education—Reading/Language Arts*

**Tamera Boatright** (read [ABSTRACT](#))  
Content Area Literacy Strategies and Their Effects on Comprehension

(Chair: Terry Sylvester)

**Katherine Koch** (read [ABSTRACT](#))  
The Effects of Dialogue Journals on English Language Learners' Syntax, Spelling, and Language Proficiency

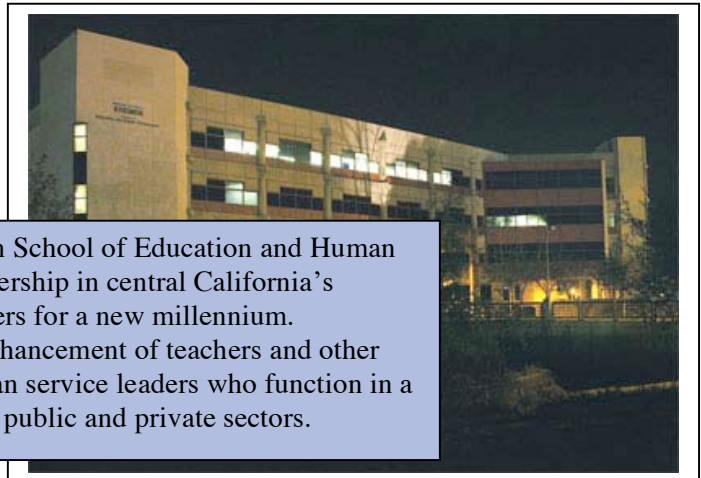
(Chair: Imelda Basurto)

**Cathleen Mitchell-Perez** (read [ABSTRACT](#))  
What Are the Best Strategies for Teaching Nonfiction Reading in the Primary Grades?

(Chair: Terry Sylvester)

**Denise White** (read [ABSTRACT](#))  
The Role of Critical Literacy in a  
First Grade Classroom

(Chair: Glenn DeVoogd)

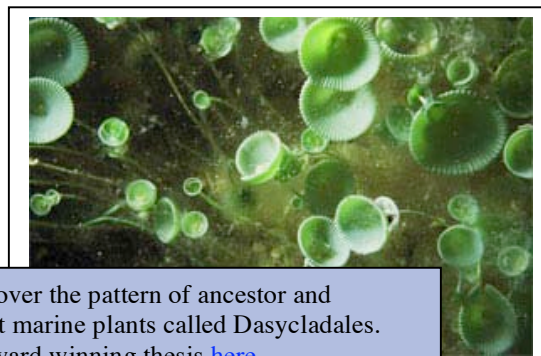


Graduate education programs in the Kremen School of Education and Human Development are focused on providing leadership in central California's diverse society by preparing education leaders for a new millennium. Programs are focused on preparation and enhancement of teachers and other educational leaders and preparation of human service leaders who function in a variety of human development roles in both public and private sectors.

## COLLEGE OF SCIENCE AND MATHEMATICS

### *Biology*

**Matt Ashworth** (read [ABSTRACT](#))  
**Winner, 2005 Outstanding Thesis Award**  
A Multigene Approach to the Phylogeny of  
the Dasycladales (Chlorophyta, Ulvophyceae)  
(Chair: Frederick Zechman)



Matt Ashworth used DNA gene sequences to uncover the pattern of ancestor and descendant relationships among species of ancient marine plants called Dasycladales. Read more about the 2005 Outstanding Thesis Award winning thesis [here](#).

### *Chemistry*

**Tonya Atkins** (read [ABSTRACT](#)) **Dean's Graduate Medalist, College of Science and Mathematics**  
Synthesis, Resolution, Characterization, and Reactivity of (R)-(+)-N,N-Dimethyl-(1-ferrocenylethyl)amine and Its Mercury (II) and Ruthenium (II) Derivatives  
(Chair: Saeed Attar)

**Rick Lazaro** (read [ABSTRACT](#))  
Method Development for Quinone Analysis  
in Toxic Atmospheric Particles  
(Chair: Alam Hasson)

Rick Lazaro's thesis focused on quantifying quinones, which are known to be present in atmospheric particles and can contribute to lung damage. Rick's work adds valuable knowledge to the body of research on a problem of regional significance.

**Zachary O'Brien** (read [ABSTRACT](#))  
Synthesis and Characterization of Ferrocenyl  
Chalcones and Their Use as Nematocidal Agents  
(Chair: Saeed Attar)

### *Interdisciplinary Studies*

**Laura Bailey-Van Houten** (read [ABSTRACT](#))  
Evaluation of Y-Chromosome Short Tandem  
Repeat Multiplexes for Forensic DNA Analysis  
(Chair: Sulekha Coticone)

### *Psychology*

**Roseanna Baker** (read [ABSTRACT](#))  
Teacher Directed Instruction Plus Classwide Peer Tutoring and the Reading Growth of First  
Grade Students  
(Chair: Karen Carey)

**Lisa Martinez** (read [ABSTRACT](#))  
A Comparison Study of Self-Management Techniques and Verbal Reinforcement for Children  
With Attention Deficit Hyperactivity Disorder  
(Chair: Marilyn Wilson)



**Josh Muller** (read [ABSTRACT](#))  
Attributional Styles of Exercisers Versus Nonexercisers  
(Chair: Aroldo Rodrigues)

**Anna Peyton** (read [ABSTRACT](#))  
Attitudes of School Psychologists Toward Social Skills  
Training for Children  
(Chair: Karen Carey)

**Stephen Reysen** (read [ABSTRACT](#))  
Construction and Validation of a  
New Measure of Fandom:  
The Reysen Fan Scale  
(Chair: Constance Jones)

When does a fan become a fanatic? Stephen Reysen developed a scale to help answer this question and to clarify the concept of fandom.

**Sarah Scheidt** (read [ABSTRACT](#))  
Autism in Fresno County, California: Current Educational  
Programs and National Research Council Recommendations  
(Chair: Karen Carey)



## COLLEGE OF SOCIAL SCIENCES

### *History*

**Jennifer Ayers** (read [ABSTRACT](#))  
Tlaxcalan Perseverance in the Sixteenth Century  
(Chair: William Skuban)

**Kyra Orgill** (read [ABSTRACT](#))  
Consent and Coercion: Consensual Government,  
Empire, and Naval Militarism in Fifth Century  
Athens and Late Medieval Venice  
(Chair: Pamela Lackie)

Kyra Orgill questions the notion that democracies are prone to be more peaceful than other forms of government in her comparison of fifth-century Athenian and late medieval Venetian militaries and the economic interests of individuals connected to the defense industry.

**Alicia Rivera** (read [ABSTRACT](#))  
**Dean's Graduate Medalist, College of Social Science**  
Solidarity in the San Joaquin Valley, California Cotton  
Strike of 1933  
(Chair: Malik Simba)

### *International Relations*

**Eric Smith** (read [ABSTRACT](#))  
Democracy in El Salvador Since the 1992 Peace Accords  
(Chair: Lyman Heine)

