

SPRING 2011 HONORS IN THE MAJOR  
 THESIS DEFENSE

STUDENT NAME	MAJOR DEPARTMENT	THESIS TITLE	SUPERVISORY COMMITTEE
WILDMAN, Joni	Art	Not Oz: A Collection of Paintings and Poetry Inspired by Fairytales	Mark Messersmith Lilian Garcia-Roig Barbara Hamby Robert Olen Butler
ARRANT, Melissa	Art History	Parallel Images: Gender, Complementarity, and Ritual in the Lintels of Yaxchilan	Michael Carrasco Karen Bearor Mary Pohl
CROWLEY, Stephanie	Art History	Charles IV: Religious Propaganda and Political Expansion	Paula Gerson Adam Jolles Raymond Fleming
WINFIELD, Shannen	Art History	Mapping Sacred Space: The Botanical Landscape of the Mapa de Cuauhtinchan No. 2	Michael Carrasco Stephanie Leitch Aimée Boutin
ARONOW, Karalyn	Biological Science	Phylogeographic patterns in the eastern diamondback rattlesnake ( <i>Crotalus adamanteus</i> )	Darin Rokyta Emily Lemmon Alan Lemmon

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GRAHAM, Kourtney	Biological Science	Investigating the role of 14-3-3 proteins in the brain using transgenic mice	Yi Zhou Debra Ann Fadool Zuoxin Wang
GRANT, Madison	Biological Science	Retinal Development in the Mangrove Killifish, <i>Kryptolebias marmoratus</i>	James Fadool Patricia Spears Mark Kearley
HARRISON, Nicholas	Biological Science	Intercellular Communication in Cell Competition	Wu-Min Deng George Bates Lei Zhu
JONES, Luke	Biological Science	The Effect of Hippo Pathway Gene Expression Knockdown on the Phenotype of the <i>D. melanogaster</i> Wing	David Houle David Gilbert Mark Kearley
LABARBERA, Vincent	Biological Science	Functional Enhancement of Myosin Mg <sup>2+</sup> -ATPase Activity by Cardiac Troponin	P. Bryant Chase Kenneth Taylor Gregory Dudley

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LAMBIRIS, Brandon	Biological Science	Synthesis and Evaluation of a Novel Class of Antibiotics	David Tyler McQuade George Bates James Hawker
LEE, Emily	Biological Science	Development of a Quantitative Assay to Measure HCV Infection	Hengli Tang David Gilbert Gregory Dudley
MATECHIK, Christopher	Biological Science	The Cost of Safety: Negotiating the trade-off between safety and growth	Felecia Coleman Don Levitan David Thistle
MAYO, Megan	Biological Science	Patterns of duetting of cooperative Lance-tailed Manakin males: The Role of Song Elements and Initiation	Emily DuVal Don Levitan John Hamman
MILLS, Erica	Biological Science	Characterization of transgene-reactivated maize mutants	Karen McGinnis Henry Bass Jamila Horabin

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NOORI, Tarreq	Biological Science	Crosstalk between chromatin structure and DNA methylation and the regulation of DNA templated processes	Jonathan Dennis Laura Keller Graham Patrick
PATEL, Anushi	Biological Science	Melatonin has neuroprotective actions in a cellular model of Alzheimer's disease	James Olcese Paul Trombley Charles Ouimet
STROE, Ioana	Biological Science	Amygdala Mechanisms Involved in Chemosensory Communication	Michael Meredith Thomas Houpt Elaine Hull
VOGT, Peggy	Biological Science	Exploring the Function of 14-3-3 Proteins in Neurodegenerative Disease	Yi Zhou Hong-Guo Yu Charles Ouimet
PICKERAL, Crystal	Biological Sciences	Histone Deacetylase Inhibitors Prevent Nucleosome Redistributions at Transcription Start Sites	Jonathan Dennis Karen McGinnis Mark Kearley

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REDWOOD, Christopher	Chemistry	Medium Effects on the Photoisomerization of 1,4-Diphenyl- 1,3butadiene	Jack Saltiel Edwin Hilinski Jorge Piekarewicz
BISHOF, Isaac	Chemistry & Biochemistry	Expression of Chimeric Sec13/31 in Pichia Patoris	Scott Stagg Brian Miller Elizabeth Stroupe
DUREN, Joseph	Chemistry & Biochemistry	Capillary Electrophoresis Separation of Formaldehyde Cross-Linked Aptamer-Protein Complexes	Michael Roper Kenneth Goldsby Patricia Spears
GOLLA, Shalini	Chemistry & Biochemistry	Synthesis and Femtosecond Transient Absorption of Au <sub>38</sub> (C <sub>12</sub> -SH)	Kenneth Knappenberger Hedi Mattoussi George Bates
GORDON, Jessica	Chemistry & Biochemistry	Polystyrene Sulfonation: Toward the "Ideal" Polyanion	Joseph Schlenoff Edwin Hilinski Thomas Keller Steven Lenhert

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MCNEEL, Kelsey	Chemistry & Biochemistry	The evaluation of industrial methods of size-exclusion chromatography (SEC) of difficult-to dissolve polymers	Andre Striegel Michael Roper Subramanian Ramakrishnan
WANGWEERAWONG, Apiwat	Chemistry & Biochemistry	Scope of a Novel [1,2]-Anionic Rearrangement of 2-Benzyloxy pyridine Derivatives	Gregory Dudley Marie Krafft Ingo Wiedenhöver
WOOD-COHAN, Nathaniel	Chemistry & Biochemistry	Characterization of the Conformational Change of Sar1B Upon Binding GTP	Scott Stagg Timothy Logan Piotr Fajer
CARVER, Charles	Classics	The Sword of Hector and the Belt of Ajax: The Warrior in Homer and Sophocles	Allen Romano Svetla Slaveva-Griffin Kathryn Stoddard
HOFFMAN, Michael	Classics	The Language of Tragedy: A Study of Inherent Performativity in the Dialogue of Seneca's <i>Thyestes</i>	Timothy Stover Laurel Fulkerson Natalya Baldyga

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STUDENT NAME	MAJOR DEPARTMENT	THESIS TITLE	SUPERVISORY COMMITTEE
SYED, Tabinda	Communication	“Why Did The Tabby Cross The Road?”	Jeanette Castillo Davis Houck Joseph Hellweg
CONNAUGHTON Shannon	Communication Sciences & Disorders	The Effect of Movement on Vocalization in Children	Carla Wood Jackson Juliann Woods Mary Frances Hanline
PAYNE, Jaimie	Communication Sciences & Disorders	College Students’ Perceptions of Attributes Associated with Autism Spectrum Disorders	Carla Wood Jackson Lisa Scott Christopher Schatschneider
PEÑA, Vanessa	Communication Sciences & Disorders	The Peabody Picture Vocabulary Test as a Language Performance Indicator for Young English Language Learners	Carla Wood Jackson Shurita Thomas-Tate Gretchen Sunderman
SILVERIO, Dayron	Criminology & Criminal Justice	Los Fantasmas de España: A Cultural Memory of Repression	Daniel Maier-Katkin Terence Coonan Roberto Fernández Sumner Twiss

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STUDENT NAME	MAJOR DEPARTMENT	THESIS TITLE	SUPERVISORY COMMITTEE
HAFFER, Caitlin	Dance	Action Reaction: A Study of Audience Reactions to Site Specific Dance	Timothy Glenn Gerri Houlihan Robert Pekurny Jennifer Atkins
HEATH, Nicholas	Earth, Ocean and Atmospheric Science	Determining the Effects of Stokes Drift on the Movement of Oil in the Gulf of Mexico	Mark Bourassa Jon Ahlquist Dmitry Dukhovskoy
DAY, Lindsey	Earth, Ocean and Atmospheric Sciences	A Case Study of 2010 Hurricane Karl to Evaluate the Precipitation Forecasts of the Post-Updated 2010 Global Ensemble Forecast System (GEFS)	Jon Ahlquist Henry Fuelberg Warren Nichols
HAZELTON, Andrew	Earth, Ocean and Atmospheric Sciences	Analysis of GFDL Intensity Forecasting Performance for Gulf/Caribbean Major Hurricanes From 1998-2008	Robert Hart Jon Ahlquist Irinel Chiorescu
SLIWINSKI, Timothy	Earth, Ocean and Atmospheric Sciences	A case study of a hybrid cyclone: 6-9 September 2009	Jon Ahlquist Robert Hart Brian Ewald

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STUDENT NAME	MAJOR DEPARTMENT	THESIS TITLE	SUPERVISORY COMMITTEE
GARRETT, Sierra	Economics	Florida High-Speed Rail: An Economic Policy Analysis	R. Mark Isaac Randall Holcombe John Marincola
REMAK, Orlando	Economics	Cross Cultural Comparison of Risk Aversion Indicators Among Hong Kong and American Students	Dmitry Ryvkin David Cooper Danling Jiang
SMOOHA, Nathan	Economics	A Computational Analysis of Competitive Balance	Dmitry Ryvkin Thomas McCaleb Eriko Hironaka David Plack
MAYNARD, Lauren	Electrical and Computer Engineering	Noise Cancellation Using Neural Networks	Simon Foo Bruce Harvey Ettore Aldrovandi
DAMIANI, Jesse	English	Your Language Is My Language	Barbara Hamby David Kirby Enrique Alvarez

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GALLO, Joshua	English	Mel Gibson's Dolorous Passion	Nancy Warren David Johnson Amy Koehlinger
HATHAWAY, Girija	English	A New Gesture of Tragedy: Myth, Practice and the Modern Aesthetic in the Joan of Arc Narratives of George Bernard Shaw, Bertolt Brecht, and Carl Theodor Dreyer	Leigh Edwards Nancy Bradley Warren Reinier Leushuis Valliere Richard Auzenne
LEWIS, Karlanna	English	Naked Ballerinas in Flight	Barbara Hamby David Kirby Nina Efimov
PARKER, Amanda	English	The Journals of Felix Ruano	Ned Stuckey-French Andrew Epstein Michael Bishop Deborah Coxwell-Teague
SHEA, Michael	English	Mexicans Lost in Mexico: Roberto Bolaño's Dialectical Homelessness and the Literary State of Exception	Timothy Parrish Barry Faulk Delia Poey

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STUDENT NAME	MAJOR DEPARTMENT	THESIS TITLE	SUPERVISORY COMMITTEE
MAZER, Jeannine	Finance	IPO Offer Price Preference Across the Globe	Gonul Colak April Knill Lora Holcombe
BECK, Elizabeth	History	The Bolshevik Party on Women's Rights and Equality: 1917-1920	Jonathan Grant Nathan Stoltzfus David Gants
HAZZARD, Karissa	History	How the Culture of Eastern Europe Affected the Rise and Development of Communism	Edward Wynot Jonathan Grant Robert Crew
JONES, Emily	History	In Obedience to Dear Mrs. Morley: The Hidden Strength of Queen Anne of Great Britain	Charles Upchurch Suzanne Sinke John Marincola
NOLL, Amanda	History	A Century of Change: The Development of Education within Seminole Society	Andrew Frank Neil Jumonville Sean Ehrlich

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PARRA, Carlos	Industrial & Manufacturing Engineering	Effectiveness of image enhancing and statistical pattern recognition methods in handwriting analysis	Arda Vanil Mei Zhang Simone Hrada
CANKAYA, Cameron	International Affairs	Economic Sanctions: Effective signaling or empty rhetoric?	Mark Souva Dale Smith Mark Zeigler
DANIELS, Dustin	International Affairs	Freedom of Media as Freedom from Corruption	R. Mark Isaac Doug Norton Mark Zeigler
SHARMA, Supraja	International Affairs	Maternal Mortality in Tamil Nadu, India	Kathleen Erndl Rebecca Miles Lisa Jordan
VANDERCOOK, Steven	Marketing	How Social Media Can Be Used to Gain A Competitive Advantage in Political Campaigns	Michael Brusco Gary Knight Jennifer Jerit

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VANDERCOOK, Steven	Marketing	How social media can be used to gain a competitive advantage in political campaigns	Michael Brusco Gary Knight Jennifer Jerit
CROCK, Nathan	Mathematics	Scene Registration with Point Clouds from two Kinects	Washington Mio Xiuwen Liu Mark Sussman Gordon Erlebacher
PAFUNDI, Dominic	Mathematics	A Simple Roundhouse Class of Genus Two	Eriko Hironaka Kathleen Petersen Nina Efimov
PAL, Vivek	Mathematics	Topics in Arithmetic Geometry	Amod Agashe Paolo Aluffi Kenneth Goldsby
BREAUX, Jolie	Mechanical Engineering	Manufacturability of Triboluminescent Composites: Towards Sensory Level Component	Emmanuel Collins Okenwa Okoli William Oates

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HALDANE, Duncan	Mechanical Engineering	Design of a Variable Stiffness Leg for Dynamic Running Using Applied Smart Materials	Jonathan Clark William Oates Richard Liang
WILKES, Austin	Middle Eastern Studies	Dancing Around the Object: The Persistence of Orientalism in American Dance Practices	Will Hanley Adam Gaiser Amy Koehlinger Joseph Hellweg
JAGUSZTYN, Ariel	Modern Languages & Linguistics	Language Change and Variation in Miami-Dade, Florida: A Sociolinguistic Analysis	Gretchen Sunderman Carolina Gonzalez Rebecca Galeano
KINCH, Abra	Modern Languages and Linguistics	First language grammar proficiency and language aptitude: Predictors of success and choice in a second language	Gretchen Sunderman Yanning Wang Lisa Waxman
KATZ, Julia	Nutrition, Food and Exercise Science	A Sensitive, Specific and Robust Enzyme-linked Immunosorbent Assay (ELISA) for Macadamia Nut Seed Protein Detection	Shridhar Sathe Jodee Dorsey Patricia Spears

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JONES, Nathaniel	Philosophy	Against Consequentialism: The Wrongness of Impartiality	David McNaughton Randolph Clarke Aline Kalbian
ASKINS, Morgan	Physics	Monte Carlo simulation for future geoneutrino detectors	Grigory Rogachev Stephan von Molnar Ming Ye
BRYANT, Brandon	Physics	LaGrange meshes in Hadronic physics	Winston Roberts Alexander Volya Brian Ewald
DUNGAN, Rutger	Physics	Varying-G Cosmology With Type IA Supernovae	Harrison Prosper Peter Höflich Tomasz Plewa
HONEYWELL, Steven	Physics	Analysis of Orbital Energies Around Doubly Magic Nuclei	Ingo Wiedenhöver Alexander Volya Mike Mesterton-Gibbons

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MORLAND, Amanda	Physics	A Low Energy Neutron Detector for the RESOLUT Facility	Ingo Wiedenhöver Grigory Rogachev David Kopriva
ZARRELLA, Andrew	Physics	Adaptation of Ultra-Precise Atomic Mass Measurement Techniques to Microwave Spectroscopy on a Singular Molecular Ion by Detecting Shifts in a Penning Trap	Edmund Myers Stephan von Molnar Kenneth Goldsby
FIDALGO, Amanda	Political Science	Federalism and Human Rights: A Comparative Analysis	Carol Weissert Will Moore Daniel Maier-Katkin
HOFHEIMER, Alison	Political Science	The Effects of Gender, Religiosity, and Partisanship on Support for the Supreme Court's Decision in Gonzales v. Carhart (2007)	John Ryan Jason Barabas Joyce Carbonell
HOLDER, Kristen	Political Science	The Effect of Environmental Audit Protection on Firm Compliance and Compliance Bias	Christopher Reenock John Scholz Richard Feiock

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SANFILIPPO, Samantha	Political Science	The Media, Belief Updating, and Iraq's Missing Weapons of Mass Destruction (WMD) Program	Jason Barabas Jennifer Jerit Deana Rohlinger Mark Souva
SPICER, Margaret	Political Science	Torture and States: A Physical Integrity Rights Violation Tradeoff?	Will Moore Cherie Maestas Daniel Maier-Katkin
ARCH, Natalie	Psychology	Effects of Disgust on Relational Memory	Colleen Kelley Michael Kaschak Mark Ziegler
GREEN, Rhiannon	Psychology	An Investigation of the Perceived Severity of Serious Mental Illness	Thomas Joiner Carrie Lane Judy Bowers
GWINN, Andrea	Psychology	Pornography, Relationship Alternatives, and Extradynamic Sex	Frank Fincham Jon Maner E. Ashby Plant

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GWYNN-SHAPIRO, Daniel	Psychology	How Positive and Negative Affect Influences Approach and Avoidance Dimensions of Craving	Alan Lang Jeanette Taylor Murray Krantz
HARRISS, Leila	Psychology	Working Memory, Reading Comprehension and Vocabulary Acquisition: A Cross-Lagged Correlational Analysis	Richard Wagner Mark Licht William Leparulo Steven Ramsier
HUTH, Sarah	Psychology	The role of estrogen receptor alpha and beta on adult neurogenesis in the rodent brain	Zuoxin Wang Elaine Hull Bill Cloonan
KROECK, Kyle	Psychology	The Long-Term Effects of Chronic Exposure to Ketamine in Adolescent Female Rats	Carlos Bolaños Joshua Rodefer Peng Xiong
LEWIS, Kyndra	Psychology	Emotion and Memory: The Affects of Discrete Emotions on Associative Memory	Colleen Kelley Joyce Carbonell Mark Seidenfeld

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MICHAUD, Katryne	Psychology	The effect of cognitive load on distraction during visual search	Walter Boot Ralph Radach Murray Krantz
MORGAN, Chelsea	Psychology	Metric Properties and Reference Systems for Refixation Saccades in Reading: Effects of Shifting Text During Reading	Ralph Radach Walter Boot Young-Suk Kim
MORRIS, Falyn	Psychology	Resiliency among third graders and their classmates and associations with reading skill gains	Carol Connor Christopher Lonigan Beth Phillips
MOSKOWITZ, Amanda	Psychology	Clarifying the association between obsessive-compulsive disorder and suicidal behavior	Thomas Joiner Jesse Cogle Brian Starks Barbara Licht
OGLESBY, Mary	Psychology	The effects of repeated checking on responsibility for harm appraisals	Jesses Cogle Norman Schmidt Steve Mills

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PROKOSCH, Marjorie	Psychology	Motivation and Relationship Maintenance: An Approach/ Avoidance Investigation	Jon Maner E. Ashby Plant Aimée Boutin
GORDON, Brent	Religion	Discerning Demons: A Prolegomenon for Comparative Demonology	Matthew Goff Kathleen Erndl David Branscombe
MEAD, Stefani	Religion	Public Health and the Poor: Liberation Theology, Social Justice, and Paul Farmer's Model of Public Health	Aline Kalbian Joseph Hellweg Mark Kearley
HEARTLEY, Alfred	Theatre	Madea's Family History: A Critical Analysis of the Stage Plays and Films of Tyler Perry	Irma Mayorga Elizabeth Osborne Suzanne Sinke
KINCH, Devin	Theatre	Propagation of a Theatrical Lighting Control Signal Over an IEEE 802.11 Network	Robert Coleman Natalya Baldyga Zachary Stribling Scott Vandenberg

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MISKOFF, Ashley	Theatre	The Interrogation of the American Dream in Stephen Sondheim's Assassins	Elizabeth Osborne Tom Ossowski Jennifer Jerit
YAWN, Sarah	Theatre	The Use of Improvisation in Collective Creation Theatre	Kris Salata Natalya Baldyga Helen Burke