

2011 ESE Student Defense Schedule

DATE	NAME	TYPE	TITLE	ADVISOR
<b>JANUARY</b>				
7	Jenna Kolling	MS Thesis Final Oral Defense	A Multisensor Evaluation of the Asymmetric Convective Model version 2 in Eastern Texas	Vizuite
17	Lanakila (Ku) McMahan	Doctoral Dissertation Final Oral Defense	Evaluation of the H <sub>2</sub> S Test As An Indicator of Waterborne Fecal Contamination	Sobsey
<b>FEBRUARY</b>				
18	Susan Casper Anenberg	Doctoral Dissertation Final Oral Defense	Using Atmospheric Models to Estimate Global Air Pollution Mortality	West
25	Jonny Crocker	MSEE Final Oral Oral Defense	Characterization and Cost Analysis of Drinking Water Quality Monitoring Programs in India and Jordan	Bartram
<b>MARCH</b>				
25	Jakob Rowny	Master's Thesis Final Oral Defense	Characterization of Nonpoint Source Microbial Contamination in an Urbanizing Watershed Serving as a Municipal Water Supply	Stewart
31	Zachary G. Robbins	Master's Thesis Final Oral Defense	Determination of Aliphatic Amines in Urine as Biomarkers of Exposure to 1,6-Hexamethylene Diisocyanate and Isocyanurate	Nylander-French
<b>APRIL</b>				
1	Jeffrey Rissman	Master's Thesis Final Oral Defense	An Enhanced Sub-grid Scale Approach to Characterize Air Quality Impacts of Aircraft Emissions at the Hartsfield-Jackson Atlanta International Airport and a Demographic Analysis of Exposure to Those Emissions	West
4	Jeanette M. Reyes	MS Thesis Final Oral Defense	Global Land Use Regression and Bayesian Maximum Entropy Spatiotemporal Estimation of PM <sub>2.5</sub> Yearly Averaged Concentrations across the United States	Serre
6	Jenia Tufts	MS Thesis Final Oral Defense	Thermal inactivation of viable <i>Geobacillus stearothermophilus</i> and <i>Bacillus atrophaeus</i> spores in a bench-scale landfill gas flare	Leith
6	Elizabeth Morris	Master's Thesis Final Oral Defense	Developing specifications and design criteria for a packaging sanitation solution for peri-urban areas in developing countries	Bartram
11	Abhinav Komandur	BSPH Honors Thesis Final Oral Defense	Copper and Zinc as Potential Disinfectants	Sobsey
12	Rhea Patel	BSPH Honors Thesis Final Oral Defense	Differences in Baseline Levels of Airway Inflammation and Effect of Body Mass Index on Inflammation in Healthy, Atopic and Asthmatic Individuals	Ball
12	Melissa Tinling	BSPH Honors Thesis Final Oral Defense	Lifecycle Assessment of Greenhouse Gas Emissions of Infant Formula	West
13	Jianyong Wu	Doctoral Dissertation Final Oral Defense	Diarrheal diseases in rural Bangladesh: spatial-temporal patterns, risk factors and pathogen detection	Stewart
14	Kevin Myers	MSPH Technical Report Final Oral Defense	Microbial Water Quality Assessment Near Industrial Swine Operations in North Carolina	Stewart
26	Angela T. Wang	MSPH Technical Report Final Oral Defense	Influence of Land Use and Storm Events on Dissolved Organic Matter Quantity and Quality in the Jordan Lake Watershed	Cory
26	Christian Jaspers	MSPH Technical Report Final Oral Defense	The availability of water and sanitation facilities in schools contributing to health and educational outcomes: a systematic review	Bartram
26	James McClure	Doctoral Dissertation Final Oral Defense	Microscale Modeling of Fluid Flow in Porous Medium Systems	Miller

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<b>APRIL</b>				
28	Amber Sallerson Jackson	Doctoral Dissertation Final Oral Defense	Multiscale Modeling of Multiphase Flow in Porous Medium Systems Using the Thermodynamically Constrained Averaging Theory Approach	Miller
29	Aimee Rowe	MSPH Technical Report Final Oral Defense	The Communication of Quantitative Environmental Risk Information About Unexploded Ordnance	MacDonald Gibson
<b>MAY</b>				
4	Amanda Dye	MSEE Technical Report Final Oral Defense	Lattice Boltzmann Simulation of Non-Darcy Flow in Sphere Packings	Miller
4	Pamela S. Birak	Doctoral Dissertation Final Oral Defense	Remediation of Multicomponent Dense Nonaqueous Phase Liquids in Porous Media	Miller
5	J. Pearl Kaplan	Masters Thesis Final Oral Defense	Impact of Free Chlorine on the Fate of Biochemically Active Compounds in Drinking Water	Weinberg
6	Lina Gao	Doctoral Dissertation Final Oral Defense	ROS-induced DNA adducts in the rodents after exposure to superfund hazardous chemicals	Swenberg
9	Adeola Olatosi	Master's Thesis Final Oral Defense	Assessment of air quality model predictions of ozone concentrations characterized by large hourly changes in Houston, Texas	Vizute
9	Mark Salisbury	MSPH Technical Report Final Oral Defense	Evaluation of Exposure to Acetamidrid in Pesticide Applicators	Nylander-French
<b>JUNE</b>				
6	Yadong Xu	MSEE Technical Report Final Oral Defense	Assessment of predicted ozone formation in the United Arab Emirates	Vizute
30	Christopher J. Sandt	MSEE Technical Report Final Oral Defense	Micro Hydropower in the North Carolina Piedmont: Hydrologic, Economic and Political Constraints on Retrofitting Existing Low-Head Dams	Doyle/West
<b>JULY</b>				
1	Jyoti Bapat	MS Thesis Final Oral Defense	The Generation of an Experimental Database for Testing Predictive Models for $\alpha$ -Pinene Gas and Particle Phase Reactions in the Atmosphere	Kamens
11	Sarah Shelton	MS Thesis Final Oral Defense	Mechanistic modeling of cancer tumor growth using a porous media approach	Gray
11	Andrew M. Armstrong	MSEE Technical Report Final Oral Defense	Characterization of Ionic Copper for Disinfection of Stored Drinking Water	Sobsey
29	Matthew T. Martin	Doctoral Dissertation Final Oral Defense	Using High Throughput Screening For Predictive Modeling of Reproductive Toxicity	Rusyn
<b>AUGUST</b>				
16	Barron Henderson	Doctoral Dissertation Final Oral Defense	Biased Ozone Precursors in the Upper Troposphere: Evaluation, Recommendations, and Implications	Vizute
19	Paul Ebohon	MS Final Oral Defense	Screening Disinfection By-Products and Phenolic Compounds for Estrogenic Activity	Weinberg