

**2010 NACTA Conference – Poster Presentations**  
**Penn Stater Conference Center**  
**Wednesday, June 23, 2010**

**Poster Session A:**  
**Time: 9:00 – 10:30 a.m.**  
**Penn Stater Lobby**

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
1	0137	A New Online Graduate Program in Ecological Restoration: Lessons Learned from Course Evaluations <i>Shibu Jose, Michael Barnister, Leda Kobziar</i>
2	0138	Undergraduate Research Experiences in Microbiology and Developmental Entomology <i>Patricia Baynham, Lisa Goering</i>
3	0139	Student Computer Use in Undergraduate Agriculture Courses: A 10-Year Study <i>Casandra Cox, Leslie Edgar, Karisha Munsie, Donna Graham, Don Edgar, Donald Johnson</i>
4	0323	Building Connections that Expand Bioscience Education in Arizona <i>Marshall Logvin</i>
5	0148	Developing an Instrument to Measure the Value of Field Experiences as Perceived by Agricultural Education Candidates <i>Jeremy Falk, Ryan Foor, Jon Simonsen, Jamie Cano</i>
6	0149	Improving the Educational Pipeline to Develop Educational Capital: A Public Policy Approach <i>Jolene Hamm, Daisy Stewart</i>
7	0150	Internationalizing the Undergraduate Experience <i>H. C. Emerson, M. T. Rodriguez, T. G. Roberts, R. K. Barrick</i>
8	0154	Balancing the Scale: The Advisor-Graduate Student Relationship <i>Bart Gill, Billy McKinn, Summer Odom</i>
9	0157	The Development, Recruitment and Implementation of Estudiante de Dietética: A Spanish Nutrition Curriculum for Undergraduate Dietetic Majors <i>Lisa Kessler, Sharonda Wallace, Bonny Burns-Whitmore</i>

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
10	0159	Training in the Development and Application of Quantitative Methods and Tools for Animal Genomics <i>Jack Dekkers</i>
11	0160	Sustainable Agriculture in Western Wisconsin <i>William Anderson, Faith Durham, Susan Frame, Faye Jones, Juliet Tomkins</i>
12	0162	Training Future Faculty in Sustainable Sciences Through an Interdisciplinary Ph.D. Program in Rural Sociology (IPPRS) <i>Linda Lobao, Robert Birkenholz, Molly Bean Smith</i>
13	0165	Communicating Agricultural Science Careers to Urban High School Students <i>Tracy Rutherford, Cindy Akers, Gary Wingenbach, Cash Berry</i>
14	0169	Effect of Student Absenteeism on Academic Performance in Undergraduate Animal Science Courses <i>K. J. Stutts, M. M. Beverly, S. F. Kelley, M. L. McMillan, A. N. Bullion, L. A. Rakowitz</i>
15	0172	Multicultural Culinology Courses: Real-Time Experiential Learning <i>Ginger Lordus</i>
16	0176	Reporting Your Research Results <i>Jesus Cuellar Fuentes</i>
17	0180	Engaging Students in Physicochemical Analyses Using Modern Instrumentations: A Practical Approach to Teaching Courses in Food & Nutritional Sciences <i>J. D. Kelly, N. L. Dawkins, R.D. Pace</i>
18	0181	Chef-Scientists: A Collaborative Cross-Disciplinary Program <i>Priscilla Bloomquist, Lisa McKee</i>
19	0183	Student Perceptions of Hybrid vs. Traditional Courses: A Case Study in Plant Identification <i>William Hoch, Tracy A.O. Dougher</i>
20	0185	Creating Individualized Instruction in College Courses Through Online Collaboration Tools <i>Barry Croom</i>
21	0187	Fostering Political Activism in Animal Agriculture Courses <i>Mike Amstutz, Karen Wimbush</i>
22	0192	Creation of an Arboretum for Botanical Education at Delaware State University <i>Susan Yost</i>
23	0193	Student Experiential Learning in the Natural Resource Sciences <i>Wiebke Boeing, Martha Desmond, Raul Valdez, Marnie Carroll, Vicente Lombrana, Angeline Sells, Jennifer Smith, Richard Wiedenmann, Joseph Zebrowski</i>
24	0194	Preparing for the PACT: Modifications to a Teaching Methods Course <i>Wendy Warner, Ann De Lay</i>
25	0196	Project PAW (Peers Affirming Wellness) Pals. <i>F. M. Walker, B. Dixon, R. McWhorter, E. Duffus, S. McWhinney</i>

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
26	0199	Teaching Agriculture in Higher Education Institutions – What the Data in the FAEIS System Tells Us <i>Timothy Mack, William Richardson, Jolene Hamm, Shea Dunifon, Whitney Martin, Mary Marchant</i>
27	0200	FAEIS: A Resource for Agriculture Faculty and Institutions <i>Mary Marchant, Joseph Hunnings, Jolene Hamm, Timothy Mack</i>
28	0204	Curriculum Enhancement in the College of Agricultural and Life Sciences <i>R. Elaine Turner, Mark Rieger, R. Kirby Barrick</i>
29	0212	The Moments We Miss: Using Facial Reader Software as an Educational Research Tool <i>Tiffany Drape, Rick Rudd, Donna Moore, Marie Vogler</i>
30	0213	Development of a General-Interest Course in Agricultural Terrorism to Attract Students in Majors from Outside Agriculture. <i>Nick Hill, Ronnie Silcox, Jean Bertrand, Sarah Workman</i>
31	0216	Using a Social Network Site as a Tool for Communicating With Alumni <i>Michael Mohney, Michael Reinert, Dan Stearns</i>
32	0217	Abilities and Beliefs of Mentor Teachers <i>Ryan Foor, Jamie Cano</i>
33	0220	Implementing Sustainability Engineering Curricula Across the College of Engineering at The University of Texas at El Paso <i>Heidi Taboada, Jose Espiritu, Connie Gomez, Noe Vargas</i>
34	0222	Virtual Learning Forests: An Online Learning Tool for Natural Resource Students <i>Michael Bannister, Howard Beck, James Oliverio</i>
35	0228	An Interdisciplinary Agricultural Biotechnology Course: Student Perceptions of Agriculture, Biotechnology, and Integrative Techniques <i>Elizabeth Wilson, Kevin Curry Jr., Charlotte Farin, Chad Jordan</i>
36	0307	A Descriptive Analysis of Social Cognitive Career Theory Variables Related to Agricultural Careers <i>Levon Esters, Ryan Wynkoop</i>
37	0255	Changing Seats vs. Staying in the Same Seat Increases Participation Contrary to Student Perception in a Senior Level University Class <i>Olivia Hoopes, Dennis Eggett, Tory Parker</i>
38	0257	Motivational Strategies for Recruiting Talented Students in Agricultural Sciences at The University of Arkansas at Pine Bluff <i>Mohammad Jalaluddin, Shahidul Islam, Sixte Ntamatungiro</i>

# 2010 NACTA Conference – Poster Presentations

## Penn Stater Conference Center

### Thursday, June 24, 2010

**Poster Session B:**  
**Time: 9:15 – 10:30 a.m.**  
**Penn Stater Lobby**

Poster No.	Abstract No.	Title
1	0229	West Hills College Lemoore USDA Abstract <i>Joel Ruble, Dave Bolt</i>
2	0231	Integration of Interdisciplinary Techniques: Agricultural Biotechnology (ITAB) <i>Gloria Rojas-Vazquez</i>
3	0232	What's the Issue?: Critical Thinking about Current Events in Agriculture and Natural Resources <i>Karen Cannon, Greg Gifford, Nicole Stedman</i>
4	0234	A Conceptual Model of Learning Activities for College Instructors <i>T. Grady Roberts, Christopher Stripling, Christopher Estep</i>
5	0235	An Experiential Learning Model for College Educators <i>Christopher Stripling, T. Grady Roberts</i>
6	0237	Development of Online Courses in the Dietetics, Foods, and Nutrition Programs at Lehman College <i>Andrea Boyar</i>
7	0239	Changes in Participant Knowledge Level and Intended Lesson Topics for an Emerging Pathogens Workshop <i>Quisto Settle, Tracy Irani, Lauri Baker, Katie Abrams</i>
8	0242	Assessing the Written Communication Assignments in a Workforce Preparation Course in Animal Sciences: Lessons Learned <i>Mark Tucker, Inez Ponce de Leon, Mark Russell</i>
9	0243	A Description of Factors Effecting Student Retention within a College of Agricultural Science and Natural Resources <i>CassiDe Street, Cindy Akers, Steven Frazee, Lori Dudley, Rachel Bobbitt, Kelsey Hall</i>
10	0100	Recipe Development Project: A Successful Integration of Undergraduate Service Learning and Extension Programming at the University of Kentucky <i>Tammy Stephenson, Laura Stephenson, Kwaku Addo, Janet Johnson</i>
11	0101	National Model Training Program for Veterinary Homeland Security <i>Sandra Amass, Marianne Ash, Thad Blossom</i>
12	0104	Helping Agriculture Students Analyze Non-Profit Organizations <i>Maria Navarro</i>

Poster No.	Abstract No.	Title
13	0106	Using Journaling and Surveys to Assess Student Outcomes from Study Abroad Programs in Agriculture <i>Joey Mehlhorn, Sandy Mehlhorn, Andrew Brown</i>
14	0108	Student Perception on Virtual Laboratories <i>Kimberly Moore</i>
15	0109	Time to Celebrate: Collaboration and Communication Bring Student Success <i>Nora Garza, Douglas Morrish</i>
16	0110	Agriculture Courses During Summer School: Community College Students' Interests and Preferences <i>Steve Keith, Cindy Akers, Gary Wingenbach</i>
17	0111	CASE: Enhancing the Traditional Delivery Model of Secondary Agricultural Education <i>Daniel Jansen, Marlene Mensch</i>
18	0115	The Alliance for Cooperative Course Exchange in the Plant Sciences <i>Michael Evans, Donna Graham, Janet Cole, Edwin Miller, Richard Harkess, Walter Taylor, Jeff Kuehny, Elizabeth Gerrison</i>
19	0116	USDA National Needs Fellowship in Bio-Fuel Systems at Virginia Tech <i>Jeffrey Alwang, John Cundiff, Richard Hirsh</i>
20	0118	Integrating Collaboration, Communication, and Celebration Into Short-Term Study Abroad Experiences <i>Thomas Kuzmic</i>
21	0119	Collaborative Project to Enhance High School Science Curricula <i>Corrie Cotton, Anugrah Shaw, Courtney Harned</i>
22	0120	Searching the Deep Sea for Clues to Enhance Agricultural Carbon Fixation: An Undergraduate Research Program to Isolate, Characterize, and Sequence Novel Autotrophs <i>Sharyn Freyermuth, Kathleen Scott, Cheryl Kerfeld</i>
23	0122	Preparing Global Ready Leaders in Agricultural and Life Sciences - CALS LI <i>H. Charlotte Emerson, R. Kirby Barrick</i>
24	0124	Reedley Colleges Partners in Agricultural Leadership: USDA-HSI Grant-Funded, Competitive Agricultural Leadership and Education Program for High School Students <i>Karri Hammerstrom</i>
25	0125	Livescribe Pulse™ - A Digital Pen and Paper Solution for Online and Traditional Teaching Methods <i>T. Burcham, S. Mehlhorn, S. Parrott, P. Smartt, J. Roberts, J. Mehlhorn</i>
26	0129	Swine Science Online <i>Margaret DenBeste, David Meisinger, Tom Baas</i>
27	0130	Assessing the Impact of an Academic Internship Experience <i>Mark Kistler, Jacklyn Bruce, Emilou Phelps</i>
28	0132	Do Agricultural Courses Abroad Really Influence Student Global Engagement? <i>L. Snyder, A. J. Lamm, J. Brendemuhl, T. Irani, T. G. Roberts, M. Rodriguez, J. Navarro</i>
29	0133	An Agribusiness Management Simulation for Undergraduates <i>Lisa House, David Barber, Freddie Barnard, Liza Braunlich</i>
30	0134	Expanding Opportunities in the Hospitality/Food Industries, NACTA10VLG <i>Valorie Gehman</i>
31	0289	Assessment Method for Quantifying Knowledge Level of Students at the Beginning and End of a Course <i>K. W. Lovercamp</i>

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
32	0244	Effectiveness of a Science Agricultural Summer Experience in Attracting Rural New Mexican Students to Natural Resources Management Tracks <i>Jennifer Lindline, Edward Martinez, Michael Meyer, Michael Petronis</i>
33	0248	Strengthening Team Facilitation and Communication Skills of Upperclassmen Through Collaborative Responsibilities in a Freshman Animal Sciences Orientation Class <i>Barry Delks, Mark Russell</i>
34	0251	Using Student Content Engagement to Improve College Teaching <i>Christopher Estep, T. Grady Roberts</i>
35	0252	Identifying How Educators Prefer to Learn About Technologies for the Classroom <i>Kelsey Hall, Courtney Meyers</i>
36	0258	Measuring Student Adoption of High Cognitive Teaching Techniques and That Relationship to Their Ability to Answer Higher Cognitive Questions <i>Carla Jagger, M. Susie Whittington</i>
37	0263	Food for Thought: A Collaborative Effort to Incorporate Food and Agriculture Disciplines into a Liberal Arts Curriculum <i>Greg Pillar, Jessica Braswell, Suzanne Watts Henderson, Melinda Harper, Dorothy McGavran</i>
38	0171	Student Attendance and Academic Performance in Undergraduate Animal Science Courses that Include Laboratory Exercises <i>K. J. Stutts, M. M. Beverly, S. F. Kelley, M. L. McMillan, A. N. Bullion, L. A. Rakowitz</i>

# 2010 NACTA Conference – Poster Presentations

## Penn Stater Conference Center

### Friday, June 25, 2010

**Poster Session C:**  
**Time: 8:00 - 9:15 a.m.**  
**Penn Stater Lobby**

Poster No.	Abstract No.	Title
1	0270	Teaching Controversial Issues Through Guided Group Discussion: An Approach To Cognitive Dissonance And Conceptual Change <i>Chaney Mosely, Thomas Broyles</i>
2	0271	Communicating Student Outcomes Using E-Portfolios <i>Holly Kasperbauer, Thomas Broyles, Cory Epler</i>
3	0278	Teaching Soil Conservation in an Introductory Soil Science Laboratory <i>Laura Eskridge, Jeff Hattey</i>
4	0281	Knowledge and Skill Perceptions for Careers in Agriculture and Agribusiness <i>Michelle Mullins Santiago, Michael Lau, Art Wolfskill</i>
5	0282	Impact of Planning Agricultural Study Abroad Courses on Faculty Globalization <i>Lori Unruh Snyder, Alexa Lamm, Joel Brendemuhl, Tracy Irani, Grady Roberts, Mary Rodriguez, Jula Navarro</i>
6	0283	Pathways to Public Health <i>B. A. Montelone, L. C. Freeman, M. McElroy, D. Retzlaff, K. Choma, S. Hai-Jew, D. Taylor, T. Gordon, H. Naima, L. Wolfgram, E. Mulcahy, D. Gillum</i>
7	0285	Incorporating Service Learning Projects to Improve the Student Experience <i>Tom Martin, Pavli Mykerezzi, Sam Doak</i>
8	0136	Using Bloom's Taxonomy as a Writing Rubric to Enhance Critical Thinking in a Large Enrollment Class <i>Naveen Chikthimmah, Rohit Ananth, John Ewing, Rama Radhakrishna</i>
9	0291	More Than Just Cows, Sows, and Plows: Altering Perceptions of Agriculture <i>Ashley Renck</i>
10	0297	Land and Life: An Undergraduate General Education Soils Course <i>John Havlin</i>
11	0299	Do Your Best Prepared Students Receive the Highest Grades? Assessing the Practice of Assigning Grades Based on Position within a Normal Curve <i>Gary Bailey, Ronald Steed</i>
12	0300	Roll Out the Rain Barrel Service-Learning Project <i>Jean Gleichsner</i>
13	0301	Advising Students With a Passion Without Faculty Burnout <i>Ron Hanson</i>

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
14	0302	Broadening STEM Curricula and Student Experiences through Multi-Instructor Team Taught Course <i>Abhijit Nagchaudhuri, Madhumi Mitra, Lurline Marsh, Tracy Bishop, Craig Daugtry, Geoffrey Bland</i>
15	0304	Undergraduate Experience with Multicampus Collaborative Research <i>Bonnie Walters, Todd Bauer, Joseph Dart, Pamela Wipperfurth</i>
16	0305	Attracting Underrepresented Minorities through Contextualized Learning Experiences <i>Levon Esters, Neil Knobloch</i>
17	0306	Life Science Education Signature Area (LSESA): An Interdisciplinary Approach to the Contextual Application of STEM Learning <i>Neil Knobloch, Levon Esters</i>
18	0308	Student Perceptions of the Effectiveness of Different Learning Modes <i>Mark Headings, Bob Rupp</i>
19	0309	Global Resource Systems: an Interdisciplinary Major for the Development of Future Food and Agriculture Global Leaders <i>Gail Nonnecke, David Acker</i>
20	0310	Sparsely Populated Agricultural Education: Delivery System for High School Students Using Technology with a Live Component One Day per Week. <i>Lyle Westrom, Amanda Fickes</i>
21	0314	Development of an Online Introductory Turf Course Lab Based on Lessons Learned from Teaching at Multiple Universities <i>Rob Golembiewski, Jonathan Velez</i>
22	0316	Establishment of a New BS Biotechnology Program and Faculty Capacity Building Workshops <i>Alma Santiago-Cortes</i>
23	0317	ThinkSpace: An Online Platform to Help Students Solve Complicated Multi-Disciplinary Problems in Agriculture <i>Ann Marie VanDerZanden</i>
24	0318	Plant Biosecurity Short Courses to Enhance Urban Forestry Education and Training at Southern University and A & M College. <i>Daniel James Collins, Kamran Abdollahi, Zhu Ning, Andra Johnson, Fulbert Namwamba, Yadong Qi</i>
25	0319	Influencing Critical Thinking Disposition in Undergraduate Agriculture and Natural Resource Students <i>Mark Burbach, Gina Matkin, Travis Searle, Courtney Quinn</i>
26	0320	Experiential Learning Approach to Promote Agricultural Bioinformatics Training at Virginia State University <i>Glenn Harris</i>
27	0321	Collaborative Learning Strategies in Graduate College Courses <i>Kiumars Zarafshani</i>
28	0322	Reporting the Results of an Experiment using a Biogas Example <i>Marsella Gonzalez</i>

<b>Poster No.</b>	<b>Abstract No.</b>	<b>Title</b>
30	0324	Career Opportunities and Explorations in Natural and Agricultural Sciences <i>Kurt Leuschner</i>
31	0325	Partnership for Transfer Success in USDA Careers <i>Cecilia Arriaza, Martha Vargas, Maribel Pineda</i>
32	0145	Course Sequencing and Integration: A Foundation for Teaching and Learning <i>Rama Radhakrishna, John Ewing, Naveen Chikthimmah</i>
33	0166	Collaborating with Parents to Communicate the Importance of Agricultural Science Careers to Inner-city Youth <i>Tracy Rutherford, Cindy Akers, Gary Wingenbach, Cash Berry</i>
34	0170	Characteristics of Students that affect Academic Performance in Undergraduate Animal Science Courses <i>K. J. Stutts, M. M. Beverly, S. F. Kelley, M. L. McMillan, A. N. Bullion, L. A. Rakowitz</i>
35	0218	Student-Developed Video Tutorials Using e-Learning Software Technologies <i>Michael Mohny, Dan Stearns, Michael Reinert</i>
36	0265	Agricultural Scholars: A Collaborative Student Enrichment Program <i>Kerry Priest, Keyana Ellis, Donna Moore</i>