



Learning Runs Through It
NACTA 2014 ^{60 years} Bozeman, MT

**Montana State University
Conference Program
June 25-28, 2014**



**MONTANA
STATE UNIVERSITY**

College of
AGRICULTURE

NACTA Executive Committee 2013–2014

President

Jeff Hattey
Ohio State University

President-Elect Bonnie Walters

University of Wisconsin–River Falls

Immediate Past President

Rick Rudd
Virginia Tech

Secretary/Treasurer

Marilyn Parker

Journal Editor

Rick Parker

Historian

Kevin Donnelly
Kansas State University

Membership Director

Ron Hanson
University of Nebraska

Canadian Regional Director

Kent Mullinix
Kwantlen Polytechnic University

Central Regional Director

Ann Marie VanderZanden
Iowa State University

Eastern Regional Director

Mark Russell
Purdue University

Eastern Regional Director-elect

Lurline Marsh
University of Maryland

Western Regional Director

Brenda Seevers
New Mexico State University

Western Regional Director-elect

Bill Hoch
Montana State University

Southern Regional Director

Jean Bertrand
University of Georgia

Southern Regional Director-elect

David Jones
North Carolina State University

Montana State University Planning Committee

Shannon Arnold

Ag Education

Anton Bekkerman

Ag Economics & Economics

Jennifer Britton

Plant Sciences & Plant Pathology

Gary Brester

Ag Economics & Economics

Tracy Dougher

Plant Sciences & Plant Pathology

Bill Hoch

Plant Sciences & Plant Pathology

Carl Igo

Ag Education

Clayton Marlow

Animal & Range Sciences

Bok Sowell

Animal & Range Sciences

Tracy Sterling

Land Resources & Environmental Sciences

NACTA Committee Chairs & Liaisons

Journal Committee/

Editorial Board
Rick Parker

Journal Awards Committee

Neil Douglas
Berea College

Membership & Public Relations Committee

Ron Hanson
University of Nebraska

Educational Issues & Teaching Improvement Committee

Kimberly Moore
University of Florida

Teacher Recognition Committee

Nick Fuhrman
University of Georgia

International Committee

Chris Morgan
University of Georgia

Nominating/Distinguished Educator/Foundation

Advisory Committee
Rick Rudd
Virginia Tech

Murray Brown Award Committee

Bonnie Walters
Univ of Wisconsin River Falls

Delta Tau Alpha Liaison

Jean Gleichsner
Fort Hays State University

NACTA Foundation Chair

Tom Lindahl

Interim NACTA

Foundation Chairman
Kevin Donnelly
Kansas State University

Judging Conference Liaison

Lyle Westrom
Univ of MN-Crookston

APLU/CRERR/APS Liaison

Jean Bertrand
University of Georgia

AASCARR Liaison

Billye Foster
Tenn Tech University

CFAMV & CADAP Liaison

Kent Mullinix
Kwantlen Polytechnic University

CAPICU Liaison

Ed Brokaw
Abilene Christian University

Program Chairs & Host Site Committee, 2013

Pavli Mykerezzi
Jim McKenna
Virginia Tech

Program Chair & Host Site Committee, 2014

Tracy Dougher
Montana State University

Program Chair & Host Site Committee, 2015

Jean Bertrand
University of Georgia

Table of Contents

Sponsors	4
Welcome Letter	5
Montana State University Map	6
Strand Union Map	7
2014 Conference Schedule	8
Speakers	10
Concurrent Sessions	12
Thursday	12
Friday	14
Workshops	16
Poster Sessions.....	19
Thursday	19
Friday.....	24
Saturday	28
Notes	31
Schedule-at-a-Glance	Back cover

Sponsors

Thanks to the following sponsors



Montana State University President's Office
Montana State University Center for Faculty Excellence

Financial support for graduate student registration and conference functions provided by



Financial support for the development and printing of the NACTA Journal volume 58, supplement 1 and the 2014 NACTA Awards Program provided by



Textbooks for the silent auction were donated by



More than 100 books for the silent auction were donated by Cheryl Moore-Gough. These books are from the personal collection of the late Bob Gough.

Workshops sponsored in part by a grant from the USDA regional teaching workshop program.



June 2, 2014

We would like to take this opportunity to welcome you to the campus of Montana State University in Bozeman. We are excited to host the 60th Annual NACTA conference from June 25-28, 2014, the first time this meeting has been in Bozeman. Our faculty, staff, and students have worked hard to ensure you have great experience while you are here. This is a great opportunity to network with colleagues and catch up on the latest pedagogy.

Agriculture is the number one industry in Montana with total sales of approximately \$4.2 billion in 2012. As Montana's land grant institution, Montana State University provides education, research, and extension/outreach programs focused to meet the changing needs of Montana. The College of Agriculture and the Montana Agricultural Experiment Station generate and disseminate solutions to increase the competitiveness of communities capturing value from Montana's agricultural and natural resources, preserve environmental quality, and improve the quality of life for all our citizens.

The College of Agriculture is home to five academic departments and one division (along with a department for the seven agricultural research centers). Student enrollment has increased for the last 6 years and currently stands at approximately 950 undergraduate and 150 graduate students. Most faculty have split appointments between teaching and research and/or Extension, and our website will detail their many research interests and most recent accomplishments.

Hopefully you will have an opportunity to explore the other amenities offered in southwestern Montana, and thank you for your commitment to education in the various disciplines of agriculture. Please don't hesitate to ask us or any of the wonderful College of Ag Staff about our Gallatin Valley and Treasure State offerings.

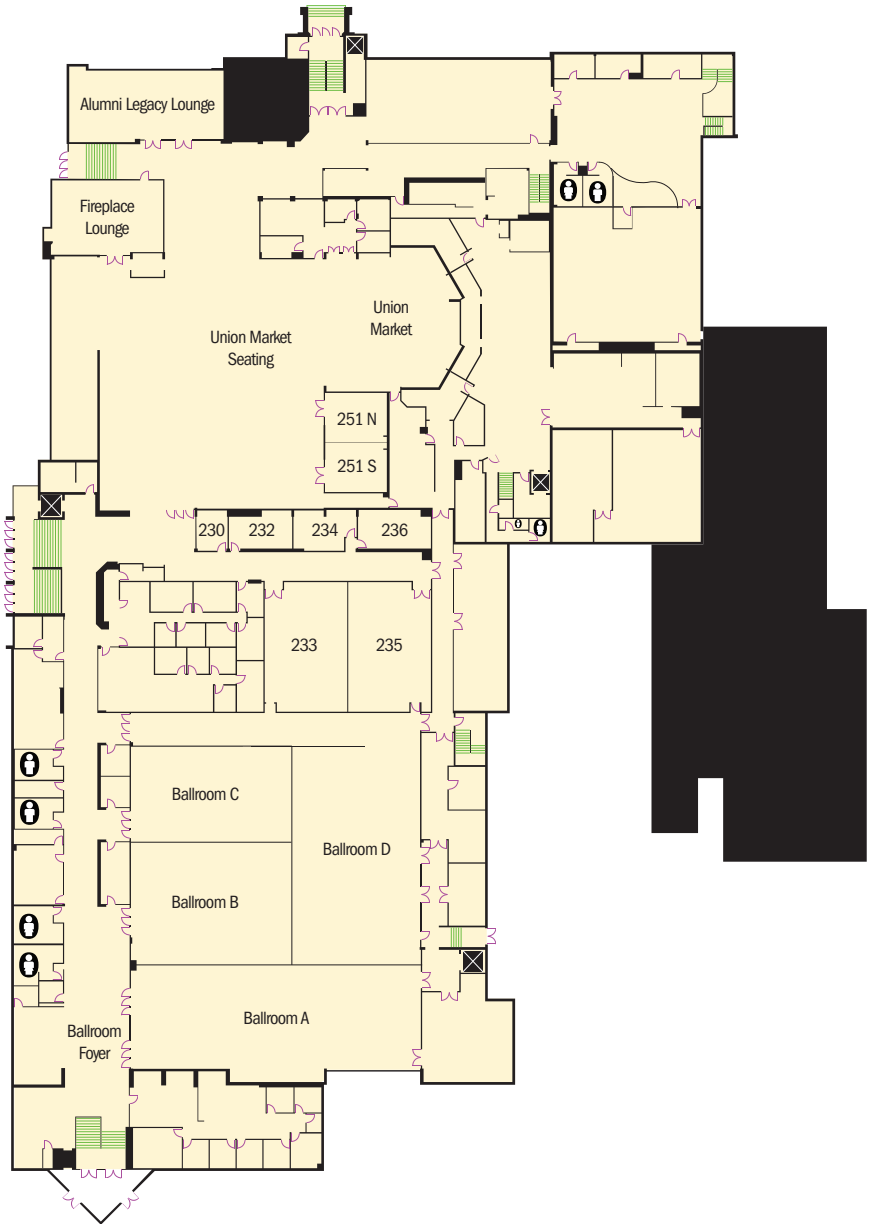
Glenn Duff
Interim Dean and Director

Nora Smith
Assistant Dean for Academic Programs

Montana State University Campus



Strand Union Building



2014 Conference Schedule

Wednesday, June 25 2014

- 12:30 PM – 9:00 PM **Registration** Strand Union Ballroom Foyer
- 1:00 PM – 4:00 PM **NACTA Executive Board Meeting** Strand Union 235
NIFA-DOCE participant meeting Animal Bioscience Building 134
International Committee Preconference Workshop Strand Union 233
- 6:00 PM – 8:00 PM **Welcome Reception** Romney Lawn (west of the Strand Union)

Thursday, June 26, 2014

- 7:30 AM – 4:30 PM **Registration** Strand Union Ballroom Foyer
- 8:00 AM – 9:30 AM **Welcome & Keynote Address** Strand Union Ballroom D
- 9:30 AM – 10:30 AM **Poster Session (includes break snack)** Strand Union Ballroom A
- 10:30 AM – 11:30 AM **Poster Session** Strand Union Ballroom A
- 11:30 AM – 1:00 PM **Lunch & Business Meeting** Strand Union Ballroom B, C, D
All are invited to participate in the Business Meeting
- 1:00 PM – 2:30 PM **Concurrent Sessions**
Service Learning Strand Union 233
Student Perceptions of Classroom Experience Strand Union 235
International/Study Abroad Strand Union Ballroom A
- 2:30 PM – 3:00 PM **Break** Strand Union Ballroom A
- 3:00 PM – 4:30 PM **Concurrent Sessions**
Beyond the Traditions Strand Union 233
Learning Runs Through It Strand Union 235
Preparing Active Learners Strand Union Ballroom A
- 4:45 PM – 6:00 PM **Departure for dinner** Strand Union Ballroom Foyer
There will be a shuttle from the Strand Union Building to Bridger Bowl.
Shuttles will return you to your hotels after the dinner.
- 6:00 PM – 9:00 PM **“An Evening in the Mountains” Dinner** Bridger Bowl, Deer Park Chalet
Join us for beautiful mountain views from mid-mountain Deer Park Chalet at the Bridger Bowl Ski Resort, just 18 miles from Bozeman. Enjoy a delicious meal of local fare and live music from Bebe LeBoeuf. The dinner is included for all conference participants, however, pre-registration is required. There will be a shuttle from the Strand Union Building to Bridger Bowl.

Friday, June 27, 2014

- 8:00 AM – 9:00 AM **Blue Ribbon** Strand Union Ballroom D
- 9:00 AM – 10:00 AM **Poster Session (includes break snack)** Strand Union Ballroom A
- 10:00 AM – 11:00 AM **Poster Session** Strand Union Ballroom A

2014 Conference Schedule

- 11:00AM–12:30PM **Workshops**
Engaging in Field-Based Learning Strand Union 233
One-on-One Mentoring Strand Union Ballroom B
Innovative Classrooms Meet in the Strand Union Ballroom Foyer
- 12:30 PM – 5:00 PM **Tours with box lunch** Strand Union Ballroom Foyer
Dances with Bison
The Horse Whisperer
Hans Brinker in the Treasure State
Star Trek, First Contact
- 5:00 PM – 8:00 PM **Dinner on your own**
Shuttles from hotels and residence halls to downtown.
Use your **Downtown Dollars!**

Saturday, June 28, 2014

- 7:30 AM – 9:00 AM **Breakfast Committee Meetings** Strand Union Ballroom B, C, D
NACTA is YOU! The work of NACTA does not happen without our membership. We encourage everyone to participate in NACTA Committees.
- 9:00 AM – 10:30 AM **Concurrent Sessions**
Making Connections Beyond the Class Strand Union Ballroom A
Outcome-Based Evaluations Strand Union Room 233
Scholarly Approaches to Teaching Strand Union 235
- 10:30AM–12:00 PM **Poster Session (includes break snack)** Strand Union Ballroom A
- 12:00 PM – 1:00 PM **Lunch** Strand Union Ballrooms B, C, D
Join us in celebrating our 60th annual conference! Speaker Gary Moore will entertain us with some potty humor.
- 1:00 PM – 2:30 PM **Concurrent Sessions**
Online/Distance Learning Strand Union 233
Learning Runs Beyond It Strand Union 235
Developing Students for Careers Strand Union Ballroom A
- 2:30 PM – 4:30 PM **Workshops (includes break snack)**
Speeding with Technology Strand Union Ballroom D
Interested in blended teaching environments or flipping your classroom? Strand Union 233
Effective facilitating and evaluating international student experiences Strand Union 235
Are fieldtrips worth it? Strand Union Alumni Lounge
- 4:30 PM – 6:00 PM **R&R** Shuttles will run between conference hotels and the Strand Union Building
- 6:00 PM – 9:00 PM **Awards Banquet** Strand Union Ballroom A

Speakers

8am–9:30am Thursday, June 26

Welcome & Keynote Address Strand Union Ballroom D



Craig Mathews holds a BS with honors from the other MSU, Michigan State University. He went for post grad study there in education and criminal justice while working in law enforcement. He and his wife Jackie came to West Yellowstone in 1979. Craig was the Town's Police Chief. In 1981 they founded Blue Ribbon Flies and continue to operate this fly shop. Craig and Jackie have won numerous conservation awards for their environmental work such as The Protector of Yellowstone National Park Award presented by Yellowstone National Park, both The Nature Conservancy and Greater Yellowstone Coalition's coveted conservation business of the year awards, and many more. Craig was *Fly Rod and Reels*

"2005 World Angler of the Year" and Trout Unlimited's "Stream Champion" in 2011. Craig has authored and co-authored 9 important books on fishing. His latest, "Simple Fly-Fishing with Tenkara," was released in April 2014 and co-authored with Patagonia Inc. founder Yvon Chouinard. Craig co-founded *1% for the Planet* an alliance of businesses donating 1 percent of their gross sales to researched and approved conservation causes. To date, *1% for the Planet* has donated over \$115 million to conservation and environmental programs. Craig and Jackie also manage the Sun Ranch, a 28,000 acre ranch in the Madison Valley of Montana south of Ennis. The ranch's cattle program is used to enhance wildlife habitat as well as provide sustainable ranching, and more.

8am–9am Friday, June 27

Blue Ribbon Strand Union Ballroom D



Ron Hanson is the Neal E. Harlan Professor of Agribusiness in the Department of Agricultural Economics at the University of Nebraska–Lincoln. He has earned 13 national and regional teaching awards in addition to 16 university and college level recognitions during his 40 year teaching career. Ron has achieved both the Outstanding Senior Teaching Awards in his discipline from the Agricultural and Applied Economics Association and the Western Agricultural Economics Association. He is a member of the University of Nebraska Academy of Distinguished Teaching Scholars and is the only person to twice receive the Holling Senior Faculty Award for Teaching Excellence for his College. Ron has been recognized several times by NACTA with the following awards: Teaching Award of Merit; Teacher Fellow Award; Central Region Outstanding Teaching Award; John Deere Teaching Award of Excellence; and the Murray Brown Leadership Award.

Last year Ron was honored with the 2013 NACTA Distinguished Educator's Award. He has earned the National USDA Excellence in Teaching Award in Agricultural and Food Sciences and was honored by the Council for the Advancement and Support of Higher Education with the Nebraska Professor of the Year Award. He was voted by the University of Nebraska students as the Educator of the Year and is the only faculty member to have earned 22 recognitions from the University Parents Association for his contributions to students. His service to rural youth and farm families has been recognized by the Nebraska Bankers Association, the Nebraska State Department of Agriculture, and the National FFA Foundation. Ron holds a NACTA life membership. He is a past Central Regional Director, Vice President, and President for NACTA. Ron currently serves as Director of Membership. He is a member of the Executive Committee and the Teaching Award Recognition Committee for NACTA. Professor Hanson earned his B.S. degree from Western Illinois University and then received his Masters and Doctorate degrees from the University of Illinois. Before joining the University of Nebraska faculty in 1974, he was Assistant Professor in agricultural industries at Southern Illinois University. Ron and his wife Marilyn have two children and four grandchildren.

Concurrent Sessions

1:00–2:30pm Thursday, June 26

Service Learning Strand Union 233

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0037	Service Learning in Agricultural Communications: You Won't Believe It! <i>Erica Irlbeck & Courtney Gibson</i>
1:20 PM	0014	Examining Client Satisfaction in an Agricultural Communications Service-Learning Course <i>Courtney Meyers</i>
1:40 PM	0110	Sustainable service learning: Lessons learned from five years of successful partnership <i>Tammy Stephenson</i>
2:00 PM	0009	Benefits and Barriers to Incorporating Service-Learning in Landscape Horticulture Courses <i>Ann Marie VanDerZanden & David Kopsell</i>

Student Perceptions of Classroom Experience Strand Union 233

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0049	Instructor and Student Reflections of a Flipped-class Model in a Sensory Evaluation of Foods Laboratory Course <i>Joseph D. Donovan & Soo-Yeun Lee</i>
1:20 PM	0157	The Impact of Supplemental Recorded Lectures on Student Satisfaction, Attendance, and Performance <i>Caroline Dunn, Brian Myers, David C. Diehl & Karla P. Shelnett</i>
1:40 PM	0131	Students as Stakeholders: Building an Undergraduate/Graduate Certificate in Environmental Education <i>Nicholas E. Fuhrman, Kris M. Irwin, Joel P. Adair, Christine R. Brady, Angela F. Losinger, Michael J. McCord, Rebecca E. McDowell, Ryan M. Pemberton, Sarah A. Richards & Lindsay R. Salmon</i>
2:00 PM	0227	Students' Perceptions of Using a Course Management System to Supplement Face-to-Face Advising <i>Kelsey Hall & Taylor Adams</i>

International/Study Abroad Strand Union Ballroom A

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0059	Cultural Adaptation: Study Abroad in Costa Rica <i>Nathan W. Conner & T. Grady Roberts</i>
1:20 PM	0091	Agricultural Students' Perspectives of International Experiences: Opportunities and Challenges to Meeting Students' Needs <i>Theresa Pesl Murphrey, Katy Lane & Holli R. Leggette</i>
1:40 PM	0214	Internationalization of Programming at New Mexico State University <i>Joshua O'Halloran & Brenda Seevers</i>
2:00 PM	0154	Comparison of large- and small-scale biodigesters as an international learning tool <i>Robert D. Shannon & Tammy M. Bennett</i>

3:00–4:30pm Thursday, June 26

Beyond the Traditions Strand Union 233

TIME	ABS ID	TITLE/AUTHORS
3:00 PM	0239	Agricultural Literacy and Student Policy Preferences <i>Kyle W. Ferrell, Ashley Stephens and Foy D. Mills, Jr.</i>
3:20 PM	0188	Interdisciplinary, Research-based Bioenergy Minor at Oregon State University <i>Katharine G. Field, Kimi Grzyb, Micki Halsey-Randall, Laia Robichaux, Darlene Russ-Eft & Jay Well</i>
3:40 PM	0104	A Review of Select Water Education Initiatives of the Last 40 Years <i>Alexandra Hill, Carl Igo & Clayton Marlow</i>
4:00 PM	0163	Impacts of the Bioenergy Summer Bridge to College Program at Oregon State University <i>Adam C. Talamantes, Ryan Collay, Jenny de la Hoz, Renee O'Neil, Micki Halsey Randall, Laia Robichaux, Darlene Russ-Eft, Jay Well & Katharine G. Field</i>

Learning Runs Through It! Strand Union 235

TIME	ABS ID	TITLE/AUTHORS
3:00 PM	0054	Learning Runs Through Classroom Debates: What Debates Can Teach Us about Sharing the Agricultural Message <i>Dixie Watts Dalton</i>
3:20 PM	0253	Educational Impact of Student-Developed Material for Animal Science <i>Heather Dunn, Brian Bolt, Cynthia Deaton & Johanna Johnson</i>
3:40 PM	0155	Soft Skills Run Through Us: Meeting Industry Needs in Agriculture Students <i>Chris Morgan, Elliot Marsh & Nick Fuhrman</i>
4:00 PM	0195	How Does Learning Run Through Collaborative Groups? <i>Wendy J. Warner & Meghan M. Wood</i>

Preparing Active Learners Strand Union Ballroom A

TIME	ABS ID	TITLE/AUTHORS
3:00 PM	0148	Performance of incoming freshman students with different admission statuses <i>M.J. Anderson, S.F. Kelley, K.J. Stutts, M.M. Beverly & J.L. Lucia</i>
3:20 PM	0071	Building a Successful Student Experiential Learning Program <i>J.K. Bush</i>
3:40 PM	0215	Sustainability Matters: A Review of Student Knowledge and Awareness <i>Jessica England, Morgan Large, Leslie D. Edgar & Jefferson Davis Miller</i>
4:00 PM	0126	Activating Learning for Students in Agriculture <i>Sean Rotar & David Barbarash</i>

Concurrent Sessions

9:00–10:30am Saturday, June 28

Making Connections Beyond the Classroom Strand Union Ballroom A

TIME	ABS ID	TITLE/AUTHORS
9:00 AM	0179	The NACTA Judging Conference: Past, Present and Future Directions <i>Kevin J. Donnelly</i>
9:20 AM	0224	[State] Cooperative Extension Service and Higher Education Personnel Perceptions of Web-Based Technology Training and Dissemination <i>Hayley G. Jernigan, Julie C. Robinson and Leslie D. Edgar</i>
9:40 AM	0202	Teachers Connecting, Learning and Networking Online using Social Media <i>David Jones, Wendy Warner & Jennifer Jones</i>
10:00 AM	0166	Litton Leadership Scholars <i>Jon C. Simonsen</i>

Outcome-Based Evaluations Strand Union 233

TIME	ABS ID	TITLE/AUTHORS
9:00 AM	0137	Student Learning Outcomes: Qualitative Assessment Method used in a Civic Agriculture and Food Systems Minor <i>Susan Clark, Jennifer L. Helms, Kathyne McConnell & Jenny Schwanke</i>
9:20 AM	0141	Evaluating the relevance of using the knowledge domains for writing expertise to teach writing in agriculture <i>Lori Costello, Holli R. Leggette, Tracy Rutherford & Deborah W. Dunsford</i>
9:40 AM	0160	What Does it Take to Produce "More Crop Per Drop?": Assessing AET Systems in Jordan <i>A.L. Tom Hammett & Kurt Richter</i>
10:00 AM	0183	An Introductory Soils Course Hat Trick: Evidence-Based Teaching, Improved Post-Test Scores, And Reduced Post-Test Variance <i>A. Hartshorn, A. Johnson, P. Santibanez & A. Pandey</i>

Scholarly Approaches to Teaching Strand Union 235

TIME	ABS ID	TITLE/AUTHORS
9:00 AM	0236	Instruction for Change: Creativity, Data, & Whole Systems <i>Rebecca Bott, Matt Spindler, Rebecca Splan, Christine Skelly & Kathleen Anderson</i>
9:20 AM	0149	Examining how participants reflect within an adult agricultural leadership program using Schon's strategies of reflection-on-action and reflection-in-action <i>Avery Culbertson, Hannah S. Carter & T. Grady Roberts</i>
9:40 AM	0038	Tackling Difficult Science Concepts Using 21st Century Pedagogy <i>Bryan J. Hains, Mary Rossano, Bill Silvia, & Neil A. Knobloch</i>
10:00 AM	0129	Digital Natives in college: What happens to learning when the power shuts down? <i>Jeno Rivera, Geoff Habron, David Ngyuen, Karla Lobick, Katie Glanville & Felix K. Yeboah</i>

1:00pm–2:30pm Saturday, June 28

Online/Distance Learning Strand Union 233

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0164	The Cognitive Level of Online Class Discussions <i>Sara Brierton, Elizabeth Wilson, Mark Kistler, David Jones & Jim Flowers</i>
1:20 PM	0140	Comparing Student Learning Styles and Learning Outcomes in an Online Distance Learning Class and an Equivalent On-Campus Class <i>Hulya Doğan, Jon Faubion, Debi Rogers & Huseyin Doğan</i>
1:40 PM	0105	Associations between Learner Interaction and Performance in an Online Course: A Longitudinal Study <i>Greg Miller</i>
2:00 PM	0015	Does Learning Run Through Student-to-Student Interaction in Graduate Distance Education Classes? <i>Gary Moore, Wendy Warner & David Jones</i>

Learning Runs Beyond It Strand Union 235

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0078	Differences in College of Agriculture and Life Sciences students' expectations of instructors, advisers, and self during their college experience. <i>Elizabeth A. Foreman & Jodi A. Sterle</i>
1:20 PM	0070	Using Capstone Semester Courses in Conjunction With Internships that Equate to High Percentage Employment Upon Graduation <i>Sandra Graham & Wayne Atchley</i>
1:40 PM	0172	Creatively Implementing Experiential Learning into the General Education Curriculum <i>Randall Violett</i>
2:00 PM	0209	Infusing Learning into a Campus Recruiting Event <i>L.A. Wolfskill, Foy Mills, Jr. & John T. Mann, II</i>

Developing Students for Careers Strand Union Ballroom A

TIME	ABS ID	TITLE/AUTHORS
1:00 PM	0081	Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence? <i>A. Preston Byrd & Ryan G. Anderson</i>
1:20 PM	0058	Graduates of Agricultural Programs Attitudes Regarding Basic Employability Skills <i>Ron Heimler & Peter Kilduff</i>
1:40 PM	0057	How ready are agricultural graduates for a career? <i>Murari Suvedi & Ramjee Ghimire</i>
2:00 PM	0047	Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers <i>Jaclyn F. Tweeten, Thomas H. Paulsen & Ryan G. Anderson</i>

Workshops

11am–12:30pm Friday, June 27

Engaging in Field-Based Learning Strand Union 233

Just as we innovate in our classroom to encourage engagement and interaction, so too the 2014 NACTA Planning Committee is looking to innovate our meetings. We have asked each of these authors to participate in an in-depth discussion regarding their programs and the larger perspective of how to engage students in field-based learning. This workshop will showcase the various field-based programs from across North America and encourage discussion on innovating such a program, its impacts, and student perspectives. The format of the 1.5 hour workshop will include an introduction to the programs and a panel-led participative discussion on engaging in field-based learning.

PANELIST AFFILIATION	ORIGINAL PRESENTATION TITLE & CO-AUTHOR(S)
Alison Harmon MONTANA STATE UNIVERSITY	Towne's Harvest Practicum at Montana State University: The Added Value of Field-Based Learning on a Campus Farm <i>William Dyer, Bruce Maxwell, Macdonald Burgess, Kara Landolfi</i>
Marilyn Swisher, Rosalie Koenig UNIVERSITY OF FLORIDA	Designing Experiential Learning Materials to Make the Best Use of Teaching Farms <i>Corey Hanlon, Grady Roberts, Pablo Morales-Payan, Michelle Schroeder-Moreno, Geoff Zehnder</i>
Matt Raven, Laurie Thorp MICHIGAN STATE UNIVERSITY	Learning Runs Through the Bailey GREENhouse and Urban Farm <i>Madeline Judge, John Biernbaum</i>
Christopher Estep SUL ROSS STATE UNIVERSITY	Self-Efficacy in a Natural Resource Field Studies Course <i>Bonnie J. Warnock</i>
Patrick Certain MONTANA STATE UNIVERSITY	Building Perennial Legacies on Student Farms <i>Mac Burgess, Bill Dyer, Alison Harmon, Charles Holt</i>

One-on-One Mentoring Strand Union B

This workshop is designed to give graduate students and assistant professors a chance to sit and talk with faculty, one-on-one, who are at different levels in their careers. Interested workshop attendees will have an opportunity to talk with deans, department heads, full professors and associate professors in order to acquire different perspectives about career choices in academia. A series of tables will be set up with 'hosts' at each table. During the first 10 minutes of the workshop each host will introduce themselves. Attendees will then select a host to visit. After 20 minutes, attendees will be asked to switch to a different table to allow them to visit multiple tables.

Innovative Classrooms Meet in the Strand Union Ballroom Foyer

This is a walking workshop through the classroom innovations happening at Montana State University. You'll visit a Technology Enhanced Active Learning (TEAL) classroom and the brand-new Innovative Learning Studio at the MSU library. Learn from faculty and staff about the implementation of the classrooms and the innovative teaching techniques utilized.

Diana Cooksey & Ritchie Boyd TEAL classroom

Justin Bartels Innovative Learning Studio

2:30pm–4:30pm Friday, June 27 *continued on following page*

Speeding with Technology Strand Union Ballroom D

Just as we innovate in our classroom to encourage engagement and interaction, so too the 2014 NACTA Planning Committee is looking to innovate our meetings. Prepare for some active learning! This workshop will showcase various technologies and how they are utilized for learning in our own classrooms. The format of the 2-hour workshop will include in the first hour a ‘speed dating’ session to briefly (5 minutes for each group) describe the technologies and in the second hour a discussion and engagement on how instructors use the technology in/for the classroom and the results they have observed.

PRESENTER	TECHNOLOGY	ORIGINAL PRESENTATION TITLE & CO-AUTHOR(S)
Laura Ingwers	TWITTER	Twitter and the classroom: Two birds not of the same feather <i>Natalie Kincy, Dennis Duncan</i>
Christian Baldwin	BLOGGING	Blogging about Turfgrass Weeds: A Strategy to Improve Students' Writing Skills in a Turf Weed Management Course <i>Gaea Hock, James D. McCurdy</i>
Gaea Hock	POLL EVERYWHERE & WORD CLOUDS	Utilizing Poll Everywhere to Create Word Clouds
Tammy Stephenson	ELECTRONIC TEXTBOOKS	The evolution of electronic textbooks in higher education: What do our students think? <i>Dawn Brewer</i>
Tobin Redwine	INSTAGRAM	Describing Social Media Footprints of High-Impact Experiences using Instagram <i>Tracy Rutherford, Gary Wingenbach, Victor Salazar</i>
Dan Stein	DOCERI INTERACTIVE WHITEBOARD APP	Incorporation of the Doceri Interactive Whiteboard App into the Classroom <i>Ranjith Ramanathan</i>
Chad Miller	GOOGLE MAPS	Evaluating Student use of Google Maps™ as a Study Resource for Plant Identification Courses <i>Matthew S. Wilson</i>
Elise Lofgren	LINKEDIN	Social Media and Equine Science: The Effect of LinkedIn on In-Class Engagement and Grades of Equine Higher Education Students <i>Alyx M. Shultz, C.A. Shea Porr</i>
OP McCubbins	SNAPCHAT	Enhancing Laboratory Awareness with Snapchat <i>Ryan Aderson, Trent Wells</i>
Kelsey Hall	PINTEREST	Learning by Pinning: Assessing Higher Level Thinking through Pinterest

Workshops

2:30pm–4:30pm Friday, June 27 *continued from previous page*

Interested in blended teaching environments or flipping your classroom? Strand Union 233

This workshop will discuss key steps to consider before deciding to upload course content online. The workshop format will start with an overview presentation about online learning followed by personal accounts and stories about the challenges and lessons learned when developing online content. The remainder of the workshop will consist of a panel discussion with faculty who have uploaded content, the challenges they encountered, benefits from the experience, and applicable software for recording course content. Speakers include online instructors Kimberly Moore, William Kern, and Brian Pearson, and instructional technologist Amanda Buckley.

Effective facilitating and evaluating international student experiences Strand Union 235

Are fieldtrips worth it? Strand Union Alumni Lounge

If fieldtrips lead to improved student learning outcomes (SLO), the question could boil down to a benefit-cost analysis, because those fieldtrips—despite their improved SLO—incur costs, from gas to rental vehicles to liability.

If field trips do not lead to improved SLO, why not? Is it because we lack the assessment instruments? If we lack the assessment instruments, when are we going to have them? If we have assessment instruments that can help measure gains in knowledge, skills, attitudes, then how come fieldtrips are not moving one or all those needles?

If fieldtrips are only worth it some of the time, are there best practices (along the lines of reducing “novelty space”) for improving SLO associated with field trips, and how many of these are discipline-based vs. universal?

Poster Sessions

9:30am–10:30am Thursday, June 26 Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH001	0001	Students, Sprinklers and Pipes: A Research Methodology Practicum	<i>Kiumars Zarafshani, Bahman Farhadi, Sohayla Amirian, Mohammad-javad Maneshi, Farzad Maleki, Mohammad Azizi & Mohammad-rasoul Moazeni</i>
TH003	0023	Exploring the Experiences and Perception of Local Food Running Through the Classroom	<i>Kyle C. Flynn & Jennie Popp</i>
TH005	0094	Agriculture Undergraduate Interns Reflect on Their Research Internship Experiences	<i>Lurline Marsh, Fawzy Hashem, Ms Corrie Cotton, Arthur Allen, Byungrok Min, Maurice Clarke & Frieda Eivazi</i>
TH007	0103	Development of a Community-Based Companion Animal Curriculum	<i>Amy Fischer</i>
TH009	0122	Impact of Background Experiences on Student Performance in Introductory Animal Science Management Courses	<i>E.L. Karcher, M. Ladoni & K.S. Chambers</i>
TH011	0138	Agricultural Teacher Efficacy Related to Teaching Dual Credit Veterinary Science Curriculum	<i>Brian Jarvis, Kimberly A. Bellah, & Tony Brannon</i>
TH013	0158	Opportunities in Grain Science—Tools Used in Freshman Orientation Class	<i>Hulya Dogan, Jon Faubion & Dave Krishock</i>
TH017	0174	The Chicago South Side Urban Agriculture Initiative: Evaluation of a New Agriculture Curriculum and Innovation Network at an Urban Predominantly Black University	<i>Daniel R. Block & Nadya Engler</i>
TH019	0219	Assessment of Undergraduate Research Credit	<i>Amanda L. Ford & Wendy J. Dahl</i>
TH021	0223	Effect of Simulated Food Processing Plant Video Tours on Student Engagement and Learning Outcomes	<i>Clinton D. Stevenson, Lynette M. Johnston & Caitlin M. Alberts</i>
TH023	0235	Cooperative Extension Service Perceptions of Incorporating Infographics into Public Educational Materials	<i>Hayley G. Jernigan, Julie C. Robinson, Leslie D. Edgar</i>
TH025	0248	The Role of Traditional Ecological Knowledge in College of Agriculture Courses at Montana State University	<i>Florence Dunkel, Lora Soderquist & Amy Wright</i>
TH027	0004	Dividing the Work, Doubling the Experience: The Development of a Study Away Experience Between Two Universities	<i>Courtney Meyers & Shannon Arnold</i>
TH029	0029	The Impact of Implementing Interactive Exam Review Strategies on Student Satisfaction and Exam Score	<i>Douglas Masser, Jeremy Falk, Amin Ahmadzadeh & Carrie Stark</i>
TH031	0033	Utilizing the Tuning Protocol to Develop Student Teacher Confidence in Lesson Planning	<i>Taylorann Smith, Thomas H. Paulsen & Ryan Anderson</i>

Poster Sessions

9:30am–10:30am Thursday, June 26 *(continued)* Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH033	0039	How Do Clemson University Students in the School of Agriculture, Forest, and Environmental Sciences (SAFES) Learn?	<i>Hillary Valdetero, Ellen Vincent & Thomas Dobbins</i>
TH035	0083	Using Review Sessions to Promote Student Learning	<i>Daniel H. Poole</i>
TH037	0111	Methods for Effective Undergraduate Research: Case Study	<i>Brian J. Pearson & Kimberly A. Moore</i>
TH039	0133	Teaching CAD-Based Landscape Design Software to Traditional and Non-Traditional Students: What Works and What Doesn't	<i>Anne Spranger</i>
TH041	0146	Peer Knowledge Sharing Outside the STEM Classroom in Community Colleges	<i>Ashley J. Gess, Samuel Doak, Songze Li & Shihao Zhou</i>
TH043	0194	A Conceptual Model to Guide Faculty Members in Directing Undergraduate Research	<i>Christopher M. Estep & Avery L. Culbertson</i>
TH045	0203	A Multinational Comparison of Experiential Learning Theory in Practice	<i>Ginger L. Bushey & Jacklyn A. Bruce</i>
TH047	0221	Leveraging Experiential Learning in the form of Legacy Projects to Improve Undergraduates' Ecological Worldview	<i>Emma Strong, Laurie Thorp, Jason Rowntree, Pete Kakela & Matt R. Raven</i>
TH049	0244	A Different Approach to a Mid-Term Examination	<i>Aaron Scammahorn & Kirk Swartzel</i>
TH051	0020	Incorporating Community Engagement into the Dietetics Curriculum	<i>Kessler L., C. Kerber, S. Wallace & B. Burns-Whitmore</i>
TH053	0161	Stepping Outside Comfort Zones: Utilizing Service Learning Projects to Promote Student and Community Engagement	<i>Joy Morgan & Elizabeth Wilson</i>
TH055	0206	Towards Cultural Proficiency: The Value of Service Learning to Students' Advancement Along the Cultural Proficiency Continuum	<i>Carla Jagger & Susie Whittington</i>
TH057	0247	Let's Pick Berries: An Apsaalooke Community-based project Resulting from use of the Holistic Process in a Service-Learning Course addresses Nutrition, Plant Propagation, Community Engagement, and Strengthening of Elder-youth Connections	<i>Tracie Small, Florence Dunkel, Greta Robison, Tyler Nyman, Durc Setzer, Calib Killian & Zachary Ostrovsky</i>
TH059	0007	Bringing the Beef Cattle Industry to the Classroom: An Experiential Learning Opportunity in Animal Science	<i>David A. Nichols, Twig T. Marston, Mishelle R. Hay McCamant</i>
TH061	0011	Recent Experiences with Forestry Master's Fellowships Designed for Underrepresented Groups	<i>Pete Bettinger & Jacek Siry</i>
TH063	0051	Effects of an Applied Agricultural Calculations Course at Clemson University	<i>P.M. Fravel & Chelsey Francis</i>

9:30am–10:30am Thursday, June 26 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH065	0055	An International Comparison of Agricultural College Students' Views on Natural Resource	<i>Ashley Sutton, Dale Layfield, Thomas Dobbins & Paula Agudelo</i>
TH067	0062	Enhancing Regulatory Compliance Among Florida's Farm Labor Supervisors	<i>Fritz M. Roka, Paul F. Monaghan, Carlene A. Thissen, Maria C. Moreria, Sebastin Galindo-Gonzalez, J. Antonio Tovar-Aquilar & Cesar Asuaje</i>
TH069	0063	Agriculture Majors Perceptions of Alternative versus Conventional Agriculture Paradigms	<i>Cameron Jernigan, Donna L. Graham & Donald M. Johnson</i>
TH071	0082	Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills	<i>A. Preston Byrd, Ryan G. Anderson, Dustin Perry & Trent Wells</i>

10:30am–11:30am Thursday, June 26 Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH002	0003	Pre-Course Agriculture and Turf Equipment Operations Experience of University Students	<i>Edward A. Franklin</i>
TH004	0030	A Faculty Tool Kit for Intercultural Knowledge & Global Citizenship Embedded Learning Outcomes of in a University Common Core Curriculum	<i>P. Morris, P. Ebner, T. Nennich and M. Russell</i>
TH006	0099	Inter-Institutional Interest of Developing an On-line Commodity Merchandising Certificate Program	<i>Joe Parcell, Jill Moreland, David Shiveley, Jewelwayne Cain, Haluk Gedikoglu & Anna Ball</i>
TH008	0115	Predicting Overall Course Quality in Undergraduate Agriculture Courses Using the IDEA Survey	<i>M.J. Anderson, J.L. Lucia, K.J. Stutts, M.M. Beverly and S.F. Kelley</i>
TH010	0123	Demographic Profiles and Critical Thinking Ability of Undergraduate Students Enrolled in Introductory Animal Science at a Hispanic Serving Institution	<i>Laura White</i>
TH012	0152	Engaged Scholarship Integration Strategies for an International Course to Costa Rica: A case study using Environmental Triangulation	<i>Tammy M. Bennett & Robert D. Shannon</i>
TH014	0159	Bugscope—15 Years of Web-based Educational Outreach	<i>Daniel E. Weber, Scott J. Robinson, Cate Wallace & Umesh Thakkar</i>
TH016	0173	Fostering University-Community College Collaboration for a Horticulture Online Degree Completion Program	<i>Steven E. Newman, Jennifer Boussetot, Linda Selkirk, Kelly Brundage, Ray Daugherty, Diane Waltman & Dan Bachelor</i>
TH018	0200	Comparison of Two Online Learning Platforms: Promoting Offer of Online Courses in the College Of Agricultural Sciences	<i>Esbal Jiménez, Gladys M. González & Ángel L. González</i>
TH020	0220	Building Global Competency of International Students and their Visiting Professors	<i>Wendy J. Dahl & Amanda L. Ford</i>

Poster Sessions

10:30am–11:30am Thursday, June 26 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH022	0234	Course Attributes that Foster Student Interest and Success in a Blended Introductory Animal Science Course	<i>Craig S. Darroch</i>
TH024	0240	Effectiveness of a Residential Summer Camp in Promoting STEM Education and Careers	<i>K.J. Stutts, M.M. Beverly, M.J. Anderson, J.L. Lucia & S F. Kelley</i>
TH026	0249	Using the Holistic Process to Assist Students in Undertaking Rural and Urban Renewal in their own Communities	<i>Jamie Sowell, Gizelle Peynado, Akihiro Kuriki, Shane Cottom & Florence Dunkel</i>
TH028	0022	Writing Factors that Augment Critical Thinking and Create Knowledge in the Social Sciences of Agriculture	<i>Holli Leggette</i>
TH030	0032	Using Peer-Review to Improve Writing Assignments in an Undergraduate Turfgrass Science Course	<i>Steven J. Keeley</i>
TH032	0035	Evaluation of Student Collaboration in a Capstone Agriculture Course through Social Network Analysis	<i>Guang Han, Thomas H. Paulsen, O.P. McCubbins & Lawrence Caudle</i>
TH034	0048	Student Survey of a Flipped-class Model in a Sensory Evaluation of Foods Lecture	<i>Soo-Yeun Lee & Joseph D. Donovan</i>
TH036	0084	Impact of Bonus Clicker Points on Final Course Grades	<i>Gail P.A. Kawell</i>
TH038	0113	Evaluation of Method to Measure Student Ability to Prioritize New Information on Bioenergy Crops	<i>Eric Anderson & D.K. Lee</i>
TH040	0145	Articles into Tweets: Improving Students' Summarization Skills	<i>Brien Henry & Gaea Hock</i>
TH042	0185	“Trade Show Display” Learning Activity to Enhance Plant Identification Courses	<i>Chad T. Miller & Matthew S. Wilson</i>
TH044	0197	Correlation of Naturalist Multiple Intelligence With Learning Styles of College Students	<i>Crystal A. Allen & Walter L. Hurley</i>
TH046	0207	Creating Critical Thinkers Through Explicit Instruction	<i>David Jones & Jennifer Jones</i>
TH048	0241	Impact of Course Format on High School Students Taking University Credits	<i>Bonnie S. Walters</i>
TH050	0006	Building a Rain Garden: Working with Multiple Stakeholders in Academic Service-Learning	<i>Jennifer D.W. Britton</i>
TH052	0143	Service-Learning in a Developing Country: A Unique First Year Experience	<i>C.M. Wood, A.O. Abaye, M. Eick, R. Selberg-Eaton & C. Slater</i>
TH054	0198	Camp Pawnee Service-Learning Project	<i>Jean A. Gleichsner</i>
TH056	0226	Survey Results from the Hands-On Agriculture Learning Day at Lincoln University	<i>Kim Cash, James Caldwell, Bruce Shanks, Hwei-Yiing, Amy Bax & Luke Wilbers</i>

10:30am–11:30am Thursday, June 26 *(continued)* Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
TH058	0250	Using the Holistic Process in a Service-Learning Course to Understand Food Security and “Hunger” in a Subsistence Farming Village in Mali	<i>Florence Dunkel, Keriba Coulibaly, Rebecca Turley, Carissa Stein, Spencer Jonas, Jaqueline Lebel, Cody Howe & Rhea Henning</i>
TH060	0090	Growing a Canoe Plant Garden for the Elementary Students and College Students; Connecting Food, Culture, Health and Environment into the Hawaiian Cultural Framework of “Ho’oulu,” the Active Process of Growth in All Areas of Ecological Literacy	<i>Aleysia Kaha, Norman Arancon, Russell Shioshita, Marcia Sakai, William S. Sakai, Pattie Andrade-Spencer & Debra Cheever-Follett</i>
TH062	0128	Preservice Teachers’ Perceptions of Mathematics in the School-Based Agricultural Education Curricula	<i>Colton McClanahan, Nathan W. Conner & Christopher T. Stripling</i>
TH064	0165	An innovATE-ive Approach to Building Capacity through AET: SWOT Study in Armenia	<i>A.L. Tom Hammett & Kurt Richter</i>
TH066	0170	A Geographic Information System and Remote Sensing Geoheritage Investigation of the Upper Pecos River Valley	<i>Amanda Aragón, Michael S. Petronis, Joseph P. Zebrowski, Eric Romero, & Jennifer Lindline</i>
TH068	0222	Pennsylvania Veterinarian Perspectives of Antibiotic Use and Antibiotic Resistance for Use in the Development of Educational Materials and Programming	<i>Caitlin Foley, Rama Radhakrishna, John Ewing, Ed Yoder & Bhushan Jayarao</i>
TH070	0225	Engaging Students in Plant Science Courses by Utilizing the Mini-Horhizotron: An Apparatus for Observation and Study of Plant Root Systems	<i>Brian E. Jackson & Chad V. Jordan</i>
TH072	0252	Comparison of Perceptions of Climate Change among Apsaalooke and Non-Native American Youth	<i>Avery Old Coyote, Cara Thuringer, Matthew Kennedy & Florence Dunkel</i>

Poster Sessions

9am–10am Friday, June 27 Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
FS001	0013	Teaching a Class: Contemporary Issues in Global Food and Agricultural Systems	<i>Jeffery R. Williams & Nathan P. Hendricks</i>
FS005	0028	What Makes an Effective Coach?: The Relationship between Coaching Behaviors and Team Performance	<i>Jeremy Falk, Douglas Masser, Haylee Palmer & Daniel Foster</i>
FS009	0031	Does the Learning Really "Run through It?" Reflective Narrative Journaling Assesses Learning Outcomes	<i>M. Tucker, P. Ebner, T. Nennich & M. Russell</i>
FS013	0036	Identifying Critical Thinking Skills in a Capstone Agriculture Course	<i>Lawrence Caudle, Thomas H. Paulsen, O.P. McCubbins, Guang Han</i>
FS017	0041	Assessment of a Food Science Program Using Core Competency Questions Administered to Freshman and Seniors	<i>John A. Unruh, Daniel Neely & Mary Houser</i>
FS021	0045	Building on Partnerships, Projects and Purpose: Producing Webinars to Enhance Learning in Agricultural Education Classrooms	<i>Jaclyn Tweeten & Thomas H. Paulsen</i>
FS025	0052	Factors of Adolescents' Civic Engagement In the Learning Process	<i>Kaitlyn Butterbaugh, John C. Ewing, Mark Brennan & Pat Dolan</i>
FS029	0102	Distance Learning can Increase Multicultural Experiences for Undergraduate Students	<i>Kevin Gibson, Tamara Benjamin, Bridgett Chapin & Chris Oseto</i>
FS033	0068	Improving Hispanic Student Success through Experiential Learning Opportunities	<i>Kim McCuiston</i>
FS037	0042	Reflections of Plant Science Graduate Students Engaging K-12 Students While Utilizing Learner-Centered Teaching Strategies	<i>Melissa Leiden Welsh & Neil Knobloch</i>
FS043	0096	Summer Enrichment Programs: A Tool to Increase Enrollment in Agriculture at Virginia State University	<i>C. Catanzaro, P. Thomas-Buchanan & O. Odeh</i>
FS046	0106	Using Student Temperaments to Impact the College of Agriculture Planning and Advising	<i>Ashley L. Powell, Carl G. Igo & Shannon K. Arnold</i>
FS049	0107	Innovative Products to Support Instruction and Retain Students in Soil and Environmental Sciences	<i>April Utery, Barbara Chamberlin, Sheila Cassidy & Jeanne Gleason</i>
FS052	0117	Identifying Graduate Student Needs through a World Café Discussion	<i>Caroline Glagola Dunn & Jessica Holt</i>
FS055	0119	When and Why do Students Decide to Major in Agriculture?	<i>B. Darroch, D. Fizer & J. Mehlhorn</i>
FS058	0121	Academic-Related Perceptions, Beliefs, and Strategies of Undergraduate Agricultural Students	<i>Christopher N. Boyer & Christopher T. Stripling</i>
FS061	0192	Comparing Senior Agriculture and Non-Agriculture Students' Use of Time	<i>Donna L. Graham, Leslie D. Edgar, Catherine W. Shoulders, K. Jill Rucker & Donald M. Johnson</i>

9am–10am Friday, June 27 *(continued)* Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
FS064	0199	State-level FFA Career Development Events are an Opportunity to Recruit High School Students into Agriculture Majors	<i>Chad T. Miller & Kimberly A. Williams</i>
FS067	0231	Focusing on the First Year	<i>Emily Buck & Kelly Newlon</i>
FS071	0044	Coming Full Circle: Linking a University Animal Science Class to a Primary School Agriculture Education Program	<i>H.M. Cunningham, D.C. Penrice, F.E. Robinson & M.J. Zuidhof</i>
FS075	0053	Factors Influencing Choice of Food Safety Related Career Path; An Online Focus Group Study	<i>Joan Hegerfeld-Baker, Prasanthi Pallapu, Sanjeev Anand & Elizabeth Droke</i>
FS079	0080	Utilizing Dexterity to Determine Future Performance of Participants in a Welding Training Program	<i>A. Preston Byrd, Ryan G. Anderson & Richard T. Stone</i>
FS083	0085	Undergraduate Student Perceptions on the Scope of Employment Dynamics within the Equine Industry	<i>Jessica Lucia, Mark Anderson, Kyle Stutts, Marcy Beverly & Stanley Kelley</i>
FS087	0086	Creating a Class in Leadership for Agriculture and Rural Communities	<i>Joseph W. Guthrie</i>
FS091	0089	Increasing Learning about and Enrollment in Horticulture through the Floral Plant Giveaway Project	<i>Julieta Sherk, Lee Ivy & Elisabeth Meyer</i>
FS095	0095	Investigating Soft Skill Development in an Agricultural Leadership Course	<i>Gaea Hock</i>
FS099	0125	Chemistry Preparedness of Animal Science Undergraduates Enrolled in Animal Metabolism	<i>Laura White & Shanna Ivey</i>
FS103	0156	Reality Learning in Online Agribusiness Management	<i>Jane L Bachelor</i>
FS107	0130	Factors Affecting Animal Attitudes: Interactions of Culture, Demographics, and Education	<i>M.D. Amstutz, K. Bennett-Wimbush, D. Linden, J. Suagee & D. Willoughby</i>

10am–11am Friday, June 27 SUB Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
FS002	0005	Improving Written Communication Skills through Service Based Learning	<i>Scott Schaake</i>
FS003	0114	Predicting Instructor Quality in Undergraduate Agriculture Courses Using the IDEA Survey	<i>M.J. Anderson, J.L. Lucia, K.J. Stutts, M.M. Beverly & S.F. Kelley</i>
FS007	0153	An Examination of High Impact Learning Opportunities Provided in Departments of Agricultural Education: Encouraging Learning in Varied Ways	<i>James Sledd, Theresa Pesl Murphrey & Holli R. Leggette</i>

Poster Sessions

10am–11am Friday, June 27 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
FS011	0139	Teaching Innovation Creatively in a Week	<i>Maud Roucan-Kane & Célia Seassau</i>
FS015	0151	Teaching and Learning in Sustainable Agriculture Curricula: A Case Study of Mediated Learning of Faculty at a Land Grant University	<i>Jennifer Helms, Kim Niewolny, Susan Clark & Curt Friedel</i>
FS019	0167	Utilizing Universal Design as the Instructional Context for Student-Faculty Collaboration	<i>Kristina Ricketts, Bryan Hains, Jessica Barnes & Cassidy Cantrell</i>
FS023	0255	An Examination of the Dialogue and Relevance; Foci on Students; and Thinking and Progression of Successful Instructors in a College of Agriculture	<i>Marcus Hollan, Stacy K. Vincent & Larry J. Grabau</i>
FS027	0193	Who Am I? Using SWOT Analysis to Teach Self-Assessment and Strength Recognition	<i>Jackson Alexander, G. Cameron Jernigan & K. Jill Rucker</i>
FS031	0182	Teaching Behaviors Demonstrated by College Instructors	<i>Jon C. Simonsen & Rebecca B. Neltner</i>
FS035	0153	An Examination of High Impact Learning Opportunities Provided in Departments of Agricultural Education: Encouraging Learning in Varied Ways	<i>James Sledd, Theresa Pesl Murphrey & Holli R. Leggette</i>
FS039	0238	Peer Evaluation: Developing an Instrument for Effective Feedback	<i>Kyle W. Ferrell & Foy D. Mills, Jr.</i>
FS041	0246	An Exploratory Study of Scrap Learning and De-Learning as Perceived by Experts in Higher Education in Iran	<i>Maryam Hossieni Largani, Kourosh Fathi Vajarga, Mahboube Arefi & Kiumars Zarafshani</i>
FS044	0019	University of Puerto Rico Mayaguez (UPRM) Center for Education and Training in Agriculture and Related Sciences (CETARS): Outreach efforts to attract underrepresented Hispanic Students into agriculture and related careers	<i>Felix R. Roman, Winston de la Torre, Martha L. Lopez & Marco De Jesus</i>
FS047	0027	Increase Student Retention and Graduation Rate by Offering a Pathway Certificate Toward CA in Agripharmatech	<i>Ingelia White</i>
FS050	0066	Relationships between Home Community, Major Choice, and Current Residence for Rural and Non-rural Graduates in the College of Agricultural, Food and Life Sciences at the University of [State]	<i>Hanna Kildow, Stuart Estes, Donald M. Johnson, Leslie D. Edgar, Catherine W. Shoulders</i>
FS053	0067	Impact of Virginia Tech Summer Academy on Student Intended Major	<i>Courtney Vengrin, Matthew Schroeder, Donna Westfall-Rudd & Susan Sumner</i>
FS056	0074	Preparing Hispanic Students to be Leaders in their Communities	<i>Consuelo Donato, Shad Nelson, Greta Schuster, Randy Stanko & Tanner Machado</i>
FS059	0076	Gender Differences Among College Students' Expectations of Instructors, Advisers and Themselves	<i>Jodi A. Sterle & Elizabeth A. Foreman</i>
FS062	0077	Motivating Factors for Student Choice of Major	<i>Christi Leard, Tom Dobbins, Kendall Kirk & Dale Layfield</i>

10am–11am Friday, June 27 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE	AUTHOR(S)
FS065	0087	Retention, Persistence, and Completion Strategies: A Comparison of USDA-HSI Grant Students to the General Hispanic Student Population	<i>Douglas Morrish, P. Ryan Saucier, Jessica Espinoza & David Vela</i>
FS068	0092	Investigating Factors that Influence Achievement Goal Orientation in Undergraduate Agricultural Students	<i>Christopher T. Stripling & Christopher N. Boyer</i>
FS070	0093	New F.A.C.E.S. (Fostering Agricultural Communication and Extension Students) A USDA-HEMSP Supported Project at Cornell University	<i>A Orta-Ramirez, J Vanden Heuvel, C Van Es & A DiTommaso</i>
FS073	0180	Educating Leaders for Tomorrow's Sustainable Plant Production Systems	<i>Gary L. Hein</i>
FS077	0190	The Great Debate: An Exploration of Using Debate in the Leadership Classroom	<i>G. Cameron Jernigan & Jill Rucker</i>
FS081	0201	Grade Discrepancies and Self-Regulated Learning in a Soils Course	<i>Christopher M. Estep & Christopher T. Stripling</i>
FS085	0205	Change in Students' Diversity Awareness Profile: What Evidence Can Journaling and Reflections Provide	<i>Carla Jagger & Susie Whittington</i>
FS089	0208	Integrating Research Projects into Undergraduate Courses on Organic and Sustainable Crop Production	<i>Xin Zhao</i>
FS093	0212	An Analysis of Genetically Modified Organism Acceptability in Europe: A Case Study of Perceptions of the Belgium Potato Event	<i>Maggie Jo Pruitt & Leslie D. Edgar</i>
FS097	0218	Informing the Development of Food Safety Competency Integration in the Undergraduate Agricultural Education Curriculum	<i>John C. Ricketts, Sandria Godwin, Edgar Chambers IV, Sheryl C. Cates & Richard Stone</i>
FS101	0233	Describing the Number of Curriculum for Agricultural Science Education (CASE) Schools in Each State, and Support from Land Grant Institutions and State Departments of Education	<i>Timothy D. Ray, M. Susie Whittington & Dan Jansen</i>
FS105	0243	Greenhouse Engineering/Technology Learning Modules	<i>Ling, Peter, AJ Both, Murat Kacira, Emily Buck, Robin Brumfield, Peter Davidson, Gene giacomelli, Chieri Kubota & Margret McMahon</i>
FS109	0245	USDA National Needs in Forensic Plant Pathology: Enhancing U.S. Crop Biosecurity Through Multidisciplinary Graduate Education, Experience and Research	<i>J. Fletcher, A. Wayadande, L.M. Ma, F. Ochoa Corona, R. Kaundal, U. Melcher, C. Garzon & R. Allen</i>

Poster Sessions

10:30am–12pm Saturday, June 28 Strand Union Ballroom A

POSTER	ABS ID	TITLE & AUTHOR(S)
FS004	0010	Using Constructive Alignment for Course Goals, Learning Objectives, and Assignments to Create Teaching Efficiency and Achieve Concrete Learning Gains <i>Ann Marie VanderZanden</i>
FS006	0012	Evaluation of Motivation of Curriculum for Agricultural Science Education Lead and Master Teachers <i>Miranda Chaplin, Rebekah B. Epps & Dan Jansen</i>
FS008	0025	Teacher Perceptions of the Quantity of Agricultural Mechanics Preparation Received at the University Level <i>Taylorann Smith, Ryan Anderson & Thomas Paulsen</i>
FS010	0050	The HYMAX Academy: Learning In and About Agriculture Runs through It! <i>Robin Peiter Horstmeier</i>
FS012	0061	Multiple Perspectives on Service Learning in Agricultural Communications <i>Courtney Meyers & Erica Irlbeck</i>
FS014	0065	Experiential, Collaborative Learning in Undergraduate Agricultural Science <i>S.P. Doyle, C.R. Phillips, M.S. Aschenbrener</i>
FS016	0088	Innovative Teaching Approaches for "Wicked Problems" <i>Susan Capalbo & Penny Diebel</i>
FS018	0069	A Broad Based Strategy for Study Abroad Programs: The Ghana Experience <i>Sathya Elavarthi, Lurline Marsh, Marikis Alvarez, Akwasi Osei & Francisca Anshah</i>
FS020	0108	Student Perceptions of Food Animal Agriculture Issues Before and After Interactive Discussions on Challenging Topics <i>Daniel H. Poole & Jeannette A. Moore</i>
FS022	0109	Assessing Students' Awareness of Academic Misconduct Policies & Procedures <i>Timothy Bradford Jr. & Gaea Hock</i>
FS024	0116	Relationship Between IDEA Scores and Grade Distribution in Agriculture Classes <i>M.J. Anderson, J.L. Lucia, K.J. Stutts, M.M. Beverly & S.F. Kelley</i>
FS026	0132	An Exploration of the Effect of Instructional Training on Undergraduate Teaching Assistants in an Introductory Animal Science Course <i>Kristina Ricketts, Bryan Hains, William Silvia, Mary Rossano, Neil Knobloch & Mark Balschweid</i>
FS028	0196	It's All About P.M.A.: The Teaching & Learning Power of a Positive Mental Attitude <i>David W.W. Jones</i>
FS030	0216	Embracing Distance Education for the Future <i>Charles Kinoshita & Kellie Kong</i>
FS032	0230	Creating Reusable Learning Objects—What the Authors Think <i>Ginger L. Bushey & Jacklyn A. Bruce</i>
FS034	0242	Testing the Water: Using Formative Assessment Tools to Monitor and Improve Student Learning <i>Tim Buttles</i>
FS036	0251	Bioenergy Laboratories for Improving Student Engagement <i>Troy Runge, Eric Singaas, Tim Zauche, Chris Baxter & Mark Mailloux</i>

10:30am–12pm Saturday, June 28 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE & AUTHOR(S)
FS038	0256	The Flipped Classroom for Teaching Supervised Agricultural Experience (SAE) <i>Roger Hanagriff, John Rayfield & Kirk Edney</i>
FS040	0008	Determining Satisfaction of Graduate Students In College Of Agriculture Towards Their Graduate Advisors <i>Kiumars Zarafshani & Fateme Sasani</i>
FS042	0016	The Influences and Adaptation of Technology in Recruitment Efforts <i>Lynn Hamilton & Zoe Sanchez</i>
FS045	0017	USDA/ARS Scientists and UA MACLab Professors Sow Pre-College Seeds for America's Future <i>Marshall Logvin, Deborah Adams & James Dalton</i>
FS048	0024	The Relationship between Time Management and Academic Achievement among Students in the College of Agricultural and Natural Resources at Razi University <i>Lida Sharafi, Milad Zhooldideh & Kiumars Zarafshani</i>
FS051	0073	College Choice and the Rural Brain Drain: Evidence from One Land-Grant University <i>Stuart Estes, Hanna Kildow, Donald M. Johnson, Leslie D. Edgar & Catherine W. Shoulders</i>
FS054	0135	Assessing Success of Student Placement into College Algebra <i>Mario Perez</i>
FS057	0142	Recruiting and Retaining National Needs Fellows in the Area of Sciences for Agricultural Biosecurity <i>Sunil Kumar, Paul Evangelista, Cynthia Brown, John Moore, Tom Stohlgren, Jim Graham & Jodie Hanzlik</i>
FS060	0175	Engaging Underrepresented Agriculture Students through Research and Job Training in the STEP UP to USDA Career Success Program <i>Randy L. Stanko, Shad D. Nelson, Tanner J. Machado, Greta L. Schuster & Consuelo Donato-Molina</i>
FS063	0187	A Qualitative Inquiry into Undergraduates' Reasoning When Deciding Whether or Not to Attend Class <i>Christopher M. Estep, Christopher T. Stripling & Danielle E. Sanok</i>
FS066	0189	Research-Based, Interdisciplinary Multicultural Scholars Program at Oregon State University Has a High Graduation Rate of Minority and/or First-Generation Students in a STEM Major <i>Katharine G. Field, Wanda K. Crannell, Lawrence R. Curtis, Penelope L. Diebel, David L. Stone, & Jonathan J. Velez</i>
FS069	0210	Factors Affecting Students' Choices to Attend University Career Fairs <i>L.A. Wolfskill & Hanna Eiland</i>
FS072	0002	Seeing is Believing: The Impact of Inter-Island Tours in Agriculture Education in Hawaii <i>Sharadchandra P. Marahatta, Brian Yamamoto, Kabi R. Neupane & Christopher Jacobsen</i>
FS074	0026	RISE: Pathways to Diversity in Food Science Careers <i>Lynette E. Orellana, Maria de L. Plaza*, Edna Negrón, Leyda Ponce de León & Angel Custodio</i>
FS076	0034	NIFA National Needs Fellowship Program: Translating Forest Science for Global Practitioners <i>Thomas Kolb, Peter Fule, Peter Friederici, Paul Beier, Carol Chambers, Ching-Hsun Huang, Annette McGivney & Kristen Waring</i>

Poster Sessions

10:30am–12pm Saturday, June 28 (continued) Strand Union Ballroom A

POSTER	ABS ID	TITLE & AUTHOR(S)
FS078	0040	A Feeder-Packer Simulation Provides an Experiential Learning Opportunity for Students in Animal Science <i>Scott Schaake, John Unruh, Terry Houser, Dave Nichols, Carrie George-Erins & Mishelle Hay-McCammant</i>
FS080	0046	Perceptions Regarding Importance and Frequency of the Use of Communication Tools by Iowa Cattle Producers <i>Jaclyn Tweeten & Thomas H. Paulsen</i>
FS082	0064	What Makes a Manuscript Publishable in the NACTA Journal? <i>Rick Parker, Miriah Pace & Karen Earwood</i>
FS084	0072	Leadership Assessments within Agricultural Business Students <i>Sarah Wright & K. Jill Rucker</i>
FS086	0075	Soft Skills Self-Assessment of Agricultural Communications Undergraduate Students <i>Makenna Lange & Erica Irlbeck</i>
FS088	0097	Women and AET: A Review of the Literature <i>Matt Spindler, Althea Whitter-Cummings, Amy Vu, Courtney Vengrin, Donna Westfall-Rudd & Rick Rudd</i>
FS090	0098	Assessing Morale of Agriculture Education Teachers at the State Level <i>Marcus Pollard & Dennis Duncan</i>
FS092	0127	Perception of the Post-graduation Value of Study Abroad by Undergraduate Agricultural and Natural Resource Majors <i>Melissa Sailors</i>
FS094	0150	Negotiating the Rapids of High-Impact Experiences <i>Sarah P. Ho, M. Reid Stavinoha, Tobin D. Redwine & Landry L. Lockett</i>
FS096	0168	Creating a Culture of Professionalism in an Undergraduate Horticulture Program <i>Steven Keeley, Greg Davis, Cathie Lavis, Jack Fry, Kimberly A. Williams & Chad Miller</i>
FS098	0171	Today's animal Science Student: A Look at Students' Backgrounds, Interests, and Perceptions <i>Vesco, A.C., A.K. Sexten, S.L. Schaake, T.L. Douthit & M.R. Hay McCammant</i>
FS100	0176	Building Understanding of Quantitative Approaches for Undergraduates in Natural Resources <i>Robert L. Schooley</i>
FS102	0181	A New Curriculum for Ethics in Agricultural Communications <i>Robert Jones & Erica Irlbeck</i>
FS104	0204	Competitiveness and Animal Science Judging: Psychological Indices of Performance <i>Michael C. Meyers, Anthony E. Bourgeois & Arnold D. LeUnes</i>
FS106	0232	Description of Curriculum for Agricultural Science Education (CASE) Units of Instruction Completed by Certified CASE Instructors in Secondary Agriculture Classrooms <i>Timothy D. Ray, M. Susie Whittington & Dan Jansen</i>
FS108	0237	Developing a Diversity of Culturally Competent Leaders in Agricultural Science <i>Pamala Morris & Myron McClure</i>
FS110	0254	The Multicultural Advocates in Nutritional Needs and Agriculture (MANNA) Program: An Update <i>Margarita Teran-Garcia, Elvira de Mejia & Jesse Thompson</i>

Wednesday, June 25

TIME	EVENT	LOCATION
12:30 PM – 9:00 PM	Registration	Strand Union Ballroom Foyer
	NACTA Executive Board Meeting	Strand Union Room 235
1:00 PM – 4:00 PM	NIFA–DOCE participant meeting	Animal Bioscience Building Room 134
	International Committee Preconference Workshop	Strand Union Room 233
6:00 PM – 8:00 PM	Welcome Reception	Romney Lawn (west of the Strand Union)

Thursday, June 26

TIME	EVENT	LOCATION
7:30 AM – 4:30 PM	Registration	Strand Union Ballroom Foyer
8:00 AM – 9:30 AM	Keynote Address	Strand Union Ballroom D
9:30 AM – 11:30 AM	Poster Session, break/snack	Strand Union Ballroom A
11:30 AM – 1:00 PM	Lunch & Business Meeting	Strand Union Ballrooms B, C, D
1:00 PM – 2:30 PM	Concurrent Sessions	Strand Union Room 233, Room 235, Ballroom A
2:30 PM – 3:00 PM	Break	Strand Union Ballroom A
3:00 PM – 4:30 PM	Concurrent Sessions	Strand Union Room 233, Room 235, Ballroom A
4:45 PM – 6:00 PM	Departure for dinner	Strand Union Ballroom Foyer
6:00 PM – 9:00 PM	“An Evening in the Mountains” Dinner	Bridger Bowl, Deer Park Chalet

Friday, June 27

TIME	EVENT	LOCATION
8:00 AM – 9:00 AM	Blue Ribbon	Strand Union Ballroom D
9:00 AM – 11:00 AM	Poster Session, break/snack	Strand Union Ballroom A
11:00 AM – 12:30 PM	Workshops	Strand Union Ballroom B, Room 233, Ballroom Foyer
12:30 PM – 5:00 PM	Tours with box lunch	Strand Union Ballroom Foyer
5:00 PM – 8:00 PM	Dinner on your own. Shuttles from hotels and residence halls to downtown. Use your Downtown Dollars!	

Saturday, June 28

TIME	EVENT	LOCATION
7:30 AM – 9:00 AM	Breakfast Committee Meetings, all are invited to participate	Strand Union Ballroom B, C, D
9:00 AM – 10:30 AM	Concurrent Sessions	Strand Union Room 233, Room 235, Ballroom A
10:30 AM – 12:00 PM	Poster Session, break/snack	Strand Union Ballroom A
12:00 PM – 1:00 PM	Lunch, book auction ends	Strand Union Ballroom B, C, D
1:00 PM – 2:30 PM	Concurrent Sessions	Strand Union Room 233, Room 235, Ballroom A
2:30 PM – 4:30 PM	Workshops, break/snack	Strand Union Ballrooms D, Room 233, Room 235, Alumni Lounge
6:00 PM – 9:00 PM	Awards Banquet	Strand Union Ballroom A

Sunday, June 28

TIME	EVENT	LOCATION
8:00 AM – 12:00 PM	NACTA Executive Board Meeting	Animal Bioscience Building, Room 145