

## **Rebekah B. Epps**

Assistant Professor, Agricultural Education

Department of Community and Leadership Development

University of Kentucky

Start Date: September 15, 2010

65% Instruction, 25% Research, 10% Administration

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### **EDUCATION**

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**Ph.D.** in Agricultural Education; August 2010; The Ohio State University  
Minors: Research, Teacher Education, and Interdisciplinary Specialization in College Teaching

**M.Ed.** in Agricultural Education; August 2000; The University of Georgia

**B.S.** in Ornamental Horticulture; March 1998; Auburn University

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### **INSTRUCTION**

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The largest portion of my division of effort is instruction. I have worked to create 1 new departmental course in statistics at the graduate level. I have redesigned 5 undergraduate courses that further incorporate teaching strategies related to Science, Technology, Engineering, and Mathematics (STEM) education and the process of teaching and learning to a varied audience. I have worked to develop the writing and professionalism of agricultural education students through learning and behavior contracts. Providing professional development opportunities for current teachers across the commonwealth, while strengthening relationships of the UK Ag Education program with alumni and other stakeholders, has also been a priority of my instruction.

### **New Courses Developed**

#### **CLD 684**

#### **Applied Statistics**

Developed this course to meet the needs of graduate students requiring a quantitative statistical analysis course. The purpose of this course is to develop an overview and basic understanding of descriptive and inferential statistics and allow students to develop a working knowledge of social science statistics. As a result, students will be able to organize and summarize quantitative data; interpret data; make generalizations from sample data to populations or theory; and, read and understand research reports. Co-taught with Dr. Jay Jackman. Taught Spring 2012, Spring 2013, Spring 2015, Spring 2016, and Spring 2017.

## **Courses Redesigned**

- AED 586**      **Teaching Methods in Career and Technical Education**  
Redesigned this course to maximize student opportunity for teaching. Incorporated the use of technology, and developed methodical strategies for incorporating the role of special needs students into the lessons and activities of the pre-service teacher. The purpose of this class is for students to fine tune strategies and methods of teaching before entering the student teaching process. Taught Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017.
- AED 535**      **Principles and Philosophy of Career & Technical Education**  
Redesigned this course to create a deeper understanding of the principles of experiential education which are paramount to the theory and philosophy of career and technical education. The purpose of this class is for students to be able to apply the philosophies of experiential education and develop strategies to incorporate them into their program development in both the formal and non-formal setting. Taught Fall 2012.
- AED/FCS 362**      **Field Experiences in Career and Technical Education**  
This course was redesigned to create a deeper awareness and understanding of the teaching profession. Students observe formal and non-formal career and technical instruction. The class provides a basis for teaching by synthesizing theoretical knowledge with practical application. In addition, individuals will have the opportunity to identify and reflect on both personal and professional elements of teaching and to develop their personal philosophy of teaching. Taught Spring 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, and Fall 2017.
- CLD 475/775**      **Schools, Community, and Society**  
Course was redesigned to be an undergraduate/graduate course to examine the integral relationships between contemporary and historical societal norms, distinctive communities, and educational systems that are prevalent in America today. Through experiential learning, research papers, and student developed projects students are able to examine the historical and societal issues that influence current educational systems. Students also examine the impact of society and community on student and teacher behavior through a detailed community analysis. Taught Fall 2011.
- AED/FCS 583**      **Designing Curriculum and Assessment in Career and Technical Education**  
This course was redesigned as an instructional methodology course which focuses on analyzing the principles of teaching and learning to design curriculum, instruction, and assessment for formal and non-formal educational settings. Students are required to design unit and lesson plans that align with KY Core Curriculum Standards appropriate for learning. Students have the opportunity to further develop their curriculum design and assessment through participation in the Wildcat Leadership Workshop. Students are required to collaborate with colleagues in developing

a cohesive, multi-disciplinary lesson and unit plan appropriate for student learning. Taught Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, and Spring 2017.

### **Other Courses**

#### **AED 592**

#### **Teaching Experience in Career and Technical Education**

The Agricultural Education Faculty Team supervises student teachers while completing their student teaching practicum. Give feedback to students in areas for improvement of teaching. Monitor the growth and progression of student's teaching methods and implementation of curriculum. Spring 2011, Spring 2012, Spring 2013, Fall 2014, Spring 2015, Spring 2016, Spring 2017, and Fall 2017.

### **Continuing Education for Agricultural Education Professionals**

#### National Curriculum for Agricultural Science Education (CASE) Institute

- CASE: Agriculture, Food and Natural Resources (AFNR). (May 28-June 8, 2012). Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics. 21 in attendance (maximum capacity; 3 waitlisted).
- CASE: Agricultural Science Plant (ASP). (July 21-August 1, 2013). Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics. 21 in attendance (maximum capacity, 2 waitlisted).
- CASE: Agricultural Science Plant (ASP). (July 6-16, 2014). Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics (STEM). 15 in attendance.
- CASE Agricultural Science Animal (ASA). (June 20-29, 2016) Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics through inquiry based learning. 22 in attendance.
- CASE: Agriculture, Food and Natural Resources (AFNR). (June 19-29, 2017) Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics through inquiry based learning. 23 in attendance.
- CASE Agricultural Science Animal (ASA). (July 17-26, 2017). Two week national professional development certification for secondary educators in science, technology, engineering, and mathematics through inquiry based learning. 19 in attendance.

#### Technical Update Trainings for Career and Technical Educators

- Envirothon: Incorporating the contest into your curriculum. (June 25-26, 2012). 4 teachers in attendance.
- Greenhouse Management Workshop. (June 19-20, 2013) 23 teachers in attendance.
- Environmental and Natural Resources for the Agricultural Educator. (June 18-20, 2014). 8 teachers in attendance.
- Soil Chemistry in the Classroom Workshop for Educators. (June 16-17, 2017). 6 teachers in attendance

#### Wildcat Leadership Workshop

- March 25, 2011. Inaugural event with over 200 secondary students in attendance.
- February 28, 2013. Over 210 secondary students, advisors, and instructors in attendance.
- February 27, 2014. Over 180 secondary students, advisors, and instructors in attendance.

### Other Teaching Experience

Introduction to Agricultural and Extension Education (AEE 230). The Ohio State University.

Data Analysis (AEE 387). The Ohio State University. Teaching Assistant.

Experiential Learning in Agricultural Education (AEE 531). The Ohio State University. Team Taught with Dr. Daniel Foster.

Field Experience in Public Schools (AEE 580). The Ohio State University.

Field Experience III (AEE 480). The Ohio State University.

Union Grove High School: McDonough, GA; Grade 9-12 Agriscience Teacher and FFA Advisor.

Newton High School: Covington, GA; Grade 9-12 Agriscience Teacher and FFA Advisor.

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## RESEARCH

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Twenty-five percent of my division of effort is in the area of research. I have worked to align my teaching and research program as closely as possible. This includes utilizing STEM, critical thinking, and effective teaching practices as a focus for my research and how issues in agriculture can be utilized in the classroom and teaching. I have hosted three Curriculum for Agricultural Science Education (CASE) Institutes where teachers from across the nation have been in attendance. I have also worked to engage undergraduate students in research in the area of STEM and science teaching efficacy.

### Current Projects

\* indicates Graduate Student, \*\* indicates Undergraduate Student

Epps, R.B. (**Lead PI**), Ricketts, J.C. (Tennessee State University), Kreifels, M. (University of Nebraska), Whittington, M.S. (The Ohio State University), Harbstreet, S.R. (Kansas State University), & Kitchel, T. (University of Missouri). *Science teaching efficacy and critical thinking skills amongst agriculture, food, and natural resources (AFNR) curriculum for agricultural science education (CASE) participants: A long term look.* (unfunded)

Shoulders, C.W., Epps, R.B. (**Co-PI, Multi-State Project S1057**) Blythe, J. M., Stofer, K., Dibendedetto, C., & Drape, T. *A national study identifying classroom management practices and methods of teaching science, technology, engineering, and mathematics amongst secondary agricultural educators.* (unfunded)

### Current Projects with Students

Thomsen, L.N\*, Epps, R.B. The use of Curriculum for Agricultural Science Education among High School Educators.

Thomsen, L.N\*, Epps, R.B. A Meta-Analysis of Factors Contributing to High School Agriculture Teacher Attrition.

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## PUBLICATIONS

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\* indicates Graduate Student, \*\* indicates Undergraduate Student

### Refereed Journal Articles

**Epps, R.B.**, & Foor, R.M. (2015). Relationships between teacher efficacy and job satisfaction among novice and experienced secondary agricultural educators. *Career and Technical Education Research* 40(2) 125-139.

**Epps, R.B.**, Vincent, S.K., & Adams, R.J. (2015). Conflicts of time: Examining school schedules in Secondary Agriculture Programs. *Journal of Agricultural Education* 56(2), 1-12.

Simonsen, J. C., Velez, J. J., Foor, R. M., Birkenholz, R. J., Foster, D. D., Wolf, K. J., & **Epps, R. B.** (2014). A multi-institutional examination of the relationships between high school activity involvement and leadership characteristics. *Journal of Agricultural Education*, 55(1), 200-214.

Dunn, J. R., Hains, B. J., **Epps, R. B.** (2013). Stakeholders' perspectives: Students perception of retention efforts in a college of agriculture. *North American Colleges and Teachers of Agriculture Journal*, 57(1), 2-9.

Connors, J. J., Falk, J. M., & **Epps, R. B.** (2010). Recounting the legacy: The history and use of FFA camps for leadership and recreation. *Journal of Agricultural Education*, 51(1), 32-42.

### Refereed Journal Articles Under Review

**Epps, R.B.**, Falk, J.M, & Connors, J.J. (In Review, Revise and Resubmit) FFA camps: Do they truly teach leadership? *Journal of Agricultural Education*.

**Epps, R.B.** & Ricketts, J. C. (In Review, Revise and Resubmit) Science teaching efficacy and critical thinking skills amongst agriculture, food, and natural resources (AFNR) curriculum for agricultural science education (CASE) participants. *Journal of Agricultural Education*.

Herndon, K.D.\*\*, **Epps, R.B.**, Futrell, J. L.\*\*, & Guffey, K.B. (In Review, Revise and Resubmit). Determining the effects of teaching personal development at an FFA camp. *Journal of Agricultural Education*.

### Publications in Non-Refereed, Edited Journals

- Epps, R.B.** (2017, July/August). There is a cure for the summertime blues. *The Agricultural Education Magazine*, 89, 5-6.
- Epps, R. B.** (2013, March/April). Living in interesting times. *The Agricultural Education Magazine*, 85, 2.
- Epps, R.** (2011, November/December). Juggler? Can I add that to my resume? *The Agricultural Education Magazine*, 84, 16-18.
- Foor, R., Epps, R., Falk, J., Foster, D., & Simonsen, J.** (2008, November/December). Oh, the places you'll go...and the questions you'll ask! *The Agricultural Education Magazine*, 80.

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## WORKSHOPS

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### National Invited Workshops

- Epps, R. B. & Stull, H. A.** (2012). Value Added: Ways to show your program's value to a school and community. *Workshop presented at the 2012 National Association of Agricultural Educators/ Association for Career and Technical Educators Conference*. Atlanta, GA. 42 in attendance.
- Epps, R. B.** (May 25, 2012). "Greenhouse Management for the Agricultural Educator." Workshop designed for pre-service teachers at The Ohio State University. 17 students in attendance.
- Epps, R. B.** (May 11, 2011). "Greenhouse Management for the Agricultural Educator." Workshop designed for pre-service teachers at The Ohio State University. 16 students in attendance.
- Epps, R. B., Foor, R. M., Falk, J. M., & Simonsen, J. C.,** (2009). Tuning up to make a difference: Conducting action research in your classroom. *Workshop presented at the 2009 National Association of Agricultural Educators/ Association for Career and Technical Educators Conference*. Nashville, TN. 21 in attendance.

### State Invited Workshops

- Epps, R. B.** (March 31, 2017). "The Poultry and Egg Industry." Presentation for K-5 graders at Arts & Science Day for Bloomfield Elementary School. Approximately 120 students.
- Epps, R. B.** (February 17, 2017). "From Farm to Fork: The amazing story of pork." Presentation for 3-4 graders at Arts & Science Day for Athens-Chilesburg Elementary. Approximately 100 students.

**Epps, R. B.** (February 17, 2017). “Seeds of Change” Presentation for K-2 graders at Arts & Science Day for Athens-Chilesburg Elementary School. Approximately 100 students.

**Epps, R.B.** (June 8, 2015) “Fighting Local Hunger Starting at Home: Build awareness and Developing leadership for the food, fiber, and natural resources systems” Presentation for the Agriculture Camp for the Deaf held at the Kentucky School for the Deaf. 14 participants.

**Epps, R.B.,** Lyvers, J.\*\*, Browning, D.\*\* Goodlett, T.\*\* “Got Milk? A look at the Dairy Industry in KY” Presentation for 3-5 graders at Arts & Science Day for Athens-Chilesburg Elementary School. Approximately 120 students.

**Epps, R.B.** (April 1, 2014). “Engaging the Next Generation in Forest Management”. Presentation for the Kentucky Woodland Owners Association Annual Meeting. 63 in attendance.

**Epps, R. B.** (April 25, 2014). “Seeds of Change” Presentation for K-2 graders at Arts & Science Day for Athens-Chilesburg Elementary School. Approximately 100 students.

**Epps, R.B.** (November 12, 2013) “STEAM Vehicle Build-off”. Competition for secondary students who have designed and built a vehicle utilizing science, technology, engineering, agriculture, and mathematics (STEAM).

**Epps, R. B.** (July 9, 2013). “Careers in Agriculture: Animals and Plants.” Presentation for campers at the Kentucky FFA Leadership Training Center. 48 participants.

**Epps, R.B.** (July 10, 2013). “Careers in Agriculture: Food and Ag Mechanics.” Presentation for campers at the Kentucky FFA Leadership Training Center. 48 participants.

**Epps, R.B.** (July 11, 2013). “Careers in Agriculture: Environmental/Natural Resources and Agricultural Education & Communication.” Presentation for campers at the Kentucky FFA Leadership Training Center. 48 participants.

**Epps, R. B.** (June 17, 2013). “The Science Behind Agriculture.” Presentation for campers at the Agriculture Camp for the Deaf held at the Kentucky School for the Deaf. 32 participants.

**Epps, R. B.** (February 22, 2013). “Changing States of Matter in Food Science.” Presentation for K-2 graders at Arts & Science Day for Athens-Chilesburg Elementary School. Approximately 100 students.

**Epps, R. B.** (June 11, 2012). “The Importance of Agriculture in your Daily Life.” Presentation for campers at the Inaugural Agriculture Camp for the Deaf held at the Kentucky School for the Deaf. 25 participants.

**Epps, R.B.** and Justice, A. K. (June 23, 2011). “Money Matters.” Presentation for the Kentucky Youth APES Seminar. 28 students in attendance.

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## PROFESSIONAL PRESENTATIONS

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\* indicates graduate student, \*\* indicates undergraduate student

### Refereed Paper Presentations

- Herndon, K.D.\*\*, **Epps, R.B.**, Futrell, J. L.\*\*, & Guffey, K.B. (2014). Determining the effects of teaching personal development at an FFA camp. *National American Association for Agricultural Education Conference*, Salt Lake City, Utah.
- Pratt, B.P.\* & **Epps, R.B.** (2013). Evaluation of perceptions of sustainable agriculture topics among Kentucky agricultural educators. *Annual Southern Region Association of Agricultural Educators Conference*, Orlando, FL.
- Simonsen, J.C., Velez, J.J., Foor, R.M., Birkenholz, R.J., Foster, D.D., Wolf, K.J. & **Epps, R.B.** (collaborator) (2012). A multi-institutional examination of the relationships between high school activity involvement and leadership constructs among first time college of agriculture students. *Annual Association of Leadership Educators Conference*, Key West, FL.
- Simonsen, J.C., Velez, J.J., Foor, R.M., Birkenholz, R.J., Foster, D.D., Wolf, K.J. & **Epps, R.B.** (collaborator) (2012). The creation and validation of the individual leadership trait inventory. *Annual Association of Leadership Educators Conference*, Key West, FL.
- Epps, R.B.** & Adams, R.J. \*(2012). Agricultural education school schedules in relation to a total program model, academic test scores and Kentucky occupational skills standards assessment. *Annual Kentucky Career and Technical Teacher Education Conference*, Georgetown, KY.
- Epps, R.B.**, Foor, R. M., & Cano, J. (2009). Relationship between teacher efficacy and job satisfaction among secondary agricultural educators. *Annual North Central American Association of Agricultural Educators Research Conference*, Lincoln, NE.
- Connors, J. J., Falk, J. M., and **Epps, R. B.** (2008). Recounting the legacy: The history and use of FFA camps for leadership and recreation. *Proceedings of the 35<sup>th</sup> Annual National Agricultural Education Research Conference*, Reno, NV, 167-178.

### Refereed Posters

- Thomsen, L.N., Warren, S.A., **Epps, R.B.** (2017). DeaFFA: Field experience in a school for the deaf. *American Association of Agricultural Education Southern Research Conference*, San Luis Obispo, CA.
- Chaplin, M.S\*., **Epps, R.B.**, & Jansen, D. (2014). Evaluation of motivation of Curriculum for Agricultural Science Education (CASE) lead and master teachers. *North American Colleges and Teachers of Agriculture Conference*, Bozeman, MT.



- Barnes, J.N.\*\* & **Epps, R.B.** (2014). Barriers to implementing Curriculum for Agricultural Science Education (CASE) in secondary agricultural education programs. *Annual Southern Region Association of Agricultural Educators Conference*, Dallas, TX.
- Herndon, K.D.\*\* & **Epps, R.B.** (2014). Evaluating students outcomes at a youth leadership camp. *Annual Southern Region Association of Agricultural Educators Conference*, Dallas, TX.
- Russell, R.A.\* , **Epps, R.B.**, & Headrick, J. (2014). Life choices: Examining factors influencing degree choice of college of agriculture freshmen. *Annual Southern Region Association of Agricultural Educators Conference*, Dallas, TX.
- Epps, R. B.** & Hains, B. J. (2013). Science, technology, engineering, agriculture, and mathematics (STEAM) vehicle build-off. *Annual Southern Region Association of Agricultural Educators Conference*, Orlando, FL.
- Agouridis, C. T. & **Epps, R. B.** (2012). Impact of stormwater workshops on design and regulatory professionals. *National Outreach Scholarship Conference*, Tuscaloosa, AL.
- Epps, R.B.** & Adams, R. J. \* (2012). Agricultural education program school schedules in relation to classroom instruction, FFA, and SAE. *Annual Southern Region Association of Agricultural Education Conference*, Birmingham, AL.
- Epps, R.B.** & Vincent, S.K. (2012). Team advising: New path for academic scheduling. *Annual American Association of Agricultural Education Southern Research Conference*, Birmingham, AL.
- Epps, R. B.**, Foor, R. M., & Cano, J. (2009). Level of job satisfaction and teacher efficacy among secondary agricultural educators. *North American Colleges and Teachers of Agriculture Conference*. Stillwater, OK.
- Foster, D. D., & **Epps, R. B.** (2008). Revisiting the senior capstone experience: developing cooperative professionals *Poster Proceedings of the Annual North Central American Association of Agricultural Educators Research Conference*. Ithaca, NY, 62-65.

### Other Presentations

- Epps, R. B.** (November 19, 2012). "CASE and the US ARMY: An intersection for agricultural education". Presented at the Community and Leadership Development Lunch and Learn. 4 attendees.

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## ADMINISTRATION

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A small portion of my duties require me to participate in administrative responsibilities. I currently serve as the Program Faculty Chair for the Agricultural Education Program. This is a liaison between the various programs within the College of Education. I work to ensure our program is in compliance with directives relating to certification, documentation, and reporting.

Program Faculty Chair, July 2013-Present

- Responsible for maintaining records of students as they enter into, move through, and exit from the Agricultural Education Program for certification purposes with the Kentucky Education Professional Standards Board (certifying body in the state of KY)
- Develop, document, and report undergraduate, Master's and Rank 1 student data for compliance with the Council for the Accreditation of Educator Preparation (CAEP) in satisfaction of the National Council for Accreditation of Teacher Education (NCATE)
- Document and report Student Learning Objectives at the undergraduate program level to the office of University Assessment
- Documented a Teacher as Leader Program for the Master's Degree in Community and Leadership Development to provide compliance with the Kentucky Education Professional Standards Board for the department's MS Program

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## GRANTS

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### Proposed Grants

National Institute of Food and Agriculture (NIFA), USDA-SPECA, *Developing Agri-STEM Explorers through Student-Centered Learning* (2015), \$300,000. (resubmission of a previous proposal)

- Co-PI—duties include curriculum development and evaluation of students learning
- Dr. Carol Hanley, Lead PI, direct and manage project; Dr. Brett Criswel, Co-PI, Curriculum and instruction on pedagogy; Mr. Blake Newton, Co-PI, curriculum development and entomology instructor; Dr. John Obrycki, Instructor, curriculum development and entomology instructor; Dr. Rebecca McCulley, Instructor, curriculum development and soil-water science instruction

### Grants Received

Kentucky Education Cabinet Department for Workforce Investment, Office of Career and Technical Education, *Teacher Educators' Perkins Professional Development* (2014-15), \$4,500.

- Co-PI—duties include management of grant to use in development of teachers through student teaching visits and presenting at research conferences
- Doug Smith—PI, directs and manages project

The Kentucky Department of Education, Office of Career and Technical Education, Technical Update Training for Teachers, (2014), \$3,911.

- Lead PI—directed and managed workshop for current agricultural educators on environmental education; facilitated purchasing of materials, documentation, and workshop teaching
- Mr. Doug McLaren, Co-PI, lead instructor on forestry management practices; Dr. Amanda Gumbert, Co-PI, instructor on soil management and land use, Mr. Blake Newton, Co-PI, instructor on macro invertebrates and entomology; Mrs. Ashley Osborne, Co-PI, instructor on water quality and management

The Lincoln Electric Company, Welding Education Grant, (2013) \$27,000 equipment grant.

- Co-PI—duties include management of equipment to be used for further development of pre-service and current teachers through curriculum development and technical update trainings
- Dr. Stacy Vincent, Lead PI, directs and manages project; Dr. John Wilhoit, Co-PI, facilitates housing and use of equipment with the Biosystems Engineering Department

The Kentucky Department of Education, Office of Career and Technical Education, Technical Update Training for Teachers, (2013), \$2,824. (PI)

- Lead PI—directed and managed workshop for current agricultural educators on greenhouse management; facilitated purchasing of materials, documentation, and workshop teaching
- Ms. Shari Dutton, Co-PI, directed and managed workshop instruction through use of facilities, resources, and other instructional faculty

The University of Kentucky, College of Agriculture Barnhart Fund for Excellence, *Wildcat Leadership Workshop* (2013), \$500. (PI)

- Lead PI—directed and managed workshop for current secondary agricultural education students; assisted current post-secondary agricultural education students on curriculum development ; facilitated purchasing of materials, documentation, and workshop planning

Kentucky Education Cabinet Department for Workforce Investment, Office of Career and Technical Education, *Teacher Educators' Perkins Professional Development* (2013-2014), \$4,500.

- Co-PI—duties include management of grant to use in development of teachers through student teaching visits and presenting at research conferences
- Dr. Doug Smith—PI, directs and manages project

The Kentucky Department of Education, Office of Career and Technical Education, Technical Update Training for Teachers, (2012), \$2,575. (PI)

- Lead PI—directed and managed workshop for current agricultural educators on environmental education; facilitated purchasing of materials, documentation, and workshop teaching
- Mr. Doug McLaren, Co-PI, lead instructor on forestry management practices; Dr. Amanda Gumbert, Co-PI, instructor on soil management and land use, Mr. Blake Newton, Co-PI, instructor on macro invertebrates and entomology; Mrs. Ashley Osborne, Co-PI, instructor on water quality and management

The University of Kentucky, College of Agriculture Barnhart Fund for Excellence, *Wildcat Leadership Workshop* (2012), \$500.

- Lead PI—directed and managed workshop for current secondary agricultural education students; assisted current post-secondary agricultural education students on curriculum development; facilitated purchasing of materials, documentation, and workshop planning

The University of Kentucky AG and HES Alumni Association, *Wildcat Leadership Workshop* (2012), \$1,900.

- Lead PI—directed and managed workshop for current secondary agricultural education students; assisted current post-secondary agricultural education students on curriculum development; facilitated purchasing of materials, documentation, and workshop planning

Kentucky Education Cabinet Department for Workforce Investment, Office of Career and Technical Education, *Teacher Educators' Perkins Professional Development* (2012-2013), \$4,500.

- Co-PI—duties include management of grant to use in development of teachers through student teaching visits and presenting at research conferences
- Doug Smith—PI, directs and manages project

The University of Kentucky, College of Agriculture Barnhart Fund for Excellence, *Wildcat Leadership Workshop* (2011), \$750.

- Lead PI—directed and managed workshop for current secondary agricultural education students; assisted current post-secondary agricultural education students on curriculum development; facilitated purchasing of materials, documentation, and workshop planning

Kentucky Education Cabinet Department for Workforce Investment, Office of Career and Technical Education, *Teacher Educators' Perkins Professional Development* (2011-2012), \$4,500.

- Co-PI—duties include management of grant to use in development of teachers through student teaching visits and presenting at research conferences
- Doug Smith—PI, directs and manages project

## Unfunded Grants

Environmental Protection Agency (EPA), *Equity in Environmental Education (E3): Underrepresented Youth Explore Water* (2015), \$112,000.

- Co-PI—duties include curriculum development and working with pre-service teachers on pedagogical and content knowledge to be taught to 4<sup>th</sup> graders in environmental education
- Dr. Tanya Dvorak, Lead PI, oversee the project, plan overall program activities with co-PIs and ensure that deadlines, project goals and objectives are met; Dr. Carol Hanley, Co-PI, will manage collaborative features of the project related to the COE and project team; Dr. Carmen Agouridis, Co-PI, will provide expert knowledge on water quality and supervise Mr. Tyler Sanderson, Co-PI, who will lead the school field trips to watersheds.

Environmental Protection Agency (EPA), *Environmental Education Model Grant, Taking Run-off by Storm: Stormwater curriculum for High School Students* (2014), \$267,000.

- Co-PI—duties include curriculum development for secondary agricultural education students and evaluation of student learning; recruiting and managing current agricultural educators to participate in the use, and building of rainwater gardens
- Dr. Brad Lee, Lead PI, instruct during various workshops while working to oversee the project, plan overall program activities with Co-PIs and ensure that deadlines, project goals and objectives are met; Dr. Rick Durham, Co-PI, working with extension agents and local nurseries to select suitable plants for the environmental conditions of the rain garden and instructing participants on stormwater, residential stormwater BMPs, rain garden site evaluation, rain garden design, rain garden construction, rain garden plant selection and maintenance; Mrs. Ashley Osborne, Co-PI, coordinating workshop logistics and instructing participants on stormwater, residential stormwater BMPs, rain garden site evaluation, rain garden design, rain garden construction, rain garden plant selection and maintenance

The University of Kentucky, College of Agriculture Barnhart Fund for Excellence, *Wildcat Leadership Workshop* (2014), \$500.

- Lead PI—directed and managed workshop for current secondary agricultural education students; assisted current post-secondary agricultural education students on curriculum development ; facilitated purchasing of materials, documentation, and workshop planning

National Institute of Food and Agriculture (NIFA), USDA-SPECA, *Developing Agri-STEM Explorers through Student-Centered Learning* (2014), \$300,000.

- Co-PI—duties include curriculum development and evaluation of students learning
- Dr. Carol Hanley, Lead PI, direct and manage project; Dr. Brett Criswel, Co-PI, Curriculum and instruction on pedagogy; Mr. Blake Newton, Co-PI, curriculum development and entomology instructor; Dr. John Obrycki, Instructor, curriculum development and entomology instructor; Dr. Rebecca McCulley, Instructor, curriculum development and soil-water science instruction

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## ADVISING

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Supervision of Undergraduate and Graduate Students at the University of Kentucky

Summary	Current	Completed
Undergraduate Students	87	51

### Graduate Program Participation

Rank 1 is an approved non-degree program within Agricultural Education. This program allows working professionals to continue on a specialized education path

Rank 1 and MIC Program Representative for the Community and Leadership Development Department Graduate Committee, 2011-Present.

### Master's Degree:

Committee Chair

Lee Thomsen, MS Career and Technical Education  
(Expected Graduation, May 2018)

Committee Member

Ashley Leer Austin, MS Career and Technical Education  
(Expected Graduation May 2018)

### Completed Master's Degree:

Committee Chair

Ashley P. Wagoner, MS Career and Technical Education  
(Graduated August 2017)

Alexander Tingle, MS Career and Technical Education  
(Graduated May 2017)

Kendra Rowland, MS Career and Technical Education

(Graduated August 2016)  
Rebecca Russell, MS Career and Technical Education  
(Graduated August 2016)  
Shari Dutton, MS Career and Technical Education  
(Graduated May 2016)  
Sharon Flynt, MS Career and Technical Education  
(Graduated May 2016)  
Alex Sluder, MS Career and Technical Education  
(Graduated August 2015)  
Bonnie Sigmon, MS Career and Technical Education  
(Graduated May 2014)  
Miranda Chaplin, MS in Community and Leadership Development  
(Graduated December 2013)

Committee Member George Boone, MS in Community and Leadership Development  
(Graduated December 2013)  
Ryan Thomas, MS in Career and Technical Education  
(Graduated August 2013)  
Jennifer Whittle, MS in Community and Leadership Development  
(Graduated May 2013)  
Kelli Coblin, MS Community and Leadership Development  
(Graduated May 2012)

**Completed Rank 1:**

Committee Chair

Carrie Davis, Rank 1 in Career and Technical Education  
(Completed May 2017)  
Alton Stull, Rank 1 in Career and Technical Education  
(Completed May 2015)  
Todd Brannock, Rank 1 in Career and Technical Education  
(Completed August 2014)

Student Groups

Beta Delta Chapter of Alpha Tau Alpha

- Identified as the 2017 Program of Excellence and Professional Development winners at the National Alpha Tau Alpha Annual Conclave
- Hosted the 2013 National Alpha Tau Alpha Annual Conclave meeting of Agricultural Education Pre-service Teachers
- Identified as the 2013 Program of Excellence at the National Alpha Tau Alpha Conclave beating out 54 other chapters from across the nation
- Chartered the National Honorary Fraternity for pre-service agricultural educators at UK
- Coached the Debate team that placed first in the nation at the 2011 ATA Conclave.
- Coached the Quiz Bowl team that placed third in the nation at the 2011 ATA Conclave.
- Assistant Coach of the Quiz Bowl that placed first in the nation at the 2013 ATA Conclave

Agricultural Education Society, approximately 60 active members

- Advise students as they prepare, plan, and organize professional development and community service
- Chaperoned 27 undergraduate and 5 graduate students while attending the 2017 National FFA Convention
- Chaperoned 24 undergraduate and 5 graduate students while attending the 2016 National FFA Convention
- Chaperoned 21 undergraduate and 5 graduate students while attending the 2015 National FFA Convention
- Chaperoned 13 undergraduate and 2 graduate students while attending the 2014 National FFA Convention
- Chaperoned 20 undergraduates and 2 graduate students while attending the 2013 National FFA Convention
- Chaperoned 17 undergraduates and 2 graduate students while attending the 2012 National FFA Convention
- Chaperoned 10 undergraduates and 2 graduate students while attending the 2011 National FFA Convention

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## OUTREACH AND SERVICE

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### National Reviewer Service

- Theme Editor, *The Agricultural Education Magazine*, July-August 2017 Edition “Summertime”.
- Theme Editor, *The Agricultural Education Magazine*, March-April 2013 Edition “Using Agriculture to Teach STEM”.
- Review Panels and Editorship
  - Journal of Agricultural Education 3 Manuscripts)
  - AAAE National Agricultural Education Research Conference (12 Papers)
  - Association of Leadership Educators Conference (3 Papers)
  - North Central Agricultural Education Research Conference (6 Papers)
  - Southern Agricultural Education Research Conference (7 Papers)
  - AAAE National Agricultural Education Research Conference Innovative (6 Posters)
  - Southern Agricultural Education Research Conference Innovative Posters (4 Posters)

### Elected Professional Organization Offices

Southern Region Association for Agricultural Education Program Improvement Chair, 2013-2015.

My duties require that I oversee the poster submission process including the call for abstracts, review process, selection of posters to be presented, and awards at conference. I also chair the committee at our regional annual meeting where new program development ideas are generated and presented to the body as a whole.

Secretary/Treasurer. National Alpha Tau Alpha, (Oversee 54 Chapters Nationally) 2011- 2014.

## **Service & Outreach**

### National

- *Judge*—Agricultural Education Competition, National Post Secondary Agriculture Student Organization Conference, March 2013.
- *Elected, Teacher Educator Representative*. Steady GROW Pro Advisory Council, 2011-Present.

### State

- *Judge*—Record Book Competition, Kentucky FFA Convention 2011-17
- *Judge*—Agricultural Communications Career Development Event, Kentucky FFA Convention, June 2013.
- *Judge*—Teach and Train Star Event, Kentucky FCCLA Convention, March 2013.
- *Judge*—Outstanding Youth Contest, Kentucky Farm Bureau, December 2012.

### University /College

- *Program Representative* – Kentucky New Teacher Workshop (2011, 2012, 2013, 2014, 2015, 2016, and 2017) – Met with potential graduate students interested in pursuing a Masters Degree in Career and Technical Leadership Education
- *Program Representative/ Recruiter* – Ag Round-Up (2011, 2012, and 2013) – Met with school students who are considering a career in agricultural education; 18 attendees.
- Freshman Scholarship Committee, 2011

### Department of Community and Leadership Development, The University of Kentucky.

- Appointed, Departmental Graduate Committee, January 2014-Present.
- Appointed, Agricultural Education Program Chair, 2013-Present.
- Appointed, Representative. Department Resources and Support Committee, 2011-Present.
- Appointed, Representative, Rank 1 and MIC Program. Department Graduate Committee, 2011-Present.

## **Outreach**

- *Superintendent*—KY FFA State Agriscience Fair. (2013) 102 participants, 27 judges.
- *Superintendent*—KY FFA State Agriscience Fair (2014) 94 participants, 42 judges.
- *Assistant Superintendent*—KY State Fair Seed Identification Competition. Facilitated the competition at the KY State Fair (2011-2013).
- *Superintendent*—KY State Fair Seed Identification Competition. Facilitated the competition at the KY State Fair (2014-2017).
- *University Coordinator* – Kentucky Teacher Internship Program
  - Mentored 2 first-year secondary teachers at Locust Trace Agriscience Farm (2011-2012)
  - Mentored 2 first-year secondary teachers at Montgomery County High School (2012-2013)
  - Mentored 2 first-year secondary teachers at Owen County High School and Western Hills High School (2013-2014)



- Mentored first-year secondary teacher at Locust Trace Agriscience Center (2017-2018)
- *Program Representative/ Recruiter* – Kentucky FFA Convention (June 2011-2017) & National FFA Convention (October 2011-2017) – Met with students who are interested in pursuing a degree in Ag Education or an agricultural related degree from the University of Kentucky.

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## AWARDS AND HONORS

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### The University of Kentucky

Kentucky Association of Career and Technical Education Post-Secondary Teacher of the Year 2017  
Finalist for the 2016 University of Kentucky Provost Teaching Award  
College of Agriculture, Food and Environment Student Council Joe T. Davis Outstanding Advisor of the Year Award 2013-2014.  
Kentucky Association of Agricultural Educators Thirty Minute Club, 2012, 2013, and 2014.  
Center of Influence (COI) – Identified as a COI in my work and community by the US Army and ROTC Cadet Command, 2011

### The Ohio State University

North American Colleges and Teachers of Agriculture Graduate Teaching Award, 2010  
University Graduate Associate Teaching Award Nominee, 2009  
Gamma Sigma Delta Honorary, 2009

### Union Grove High School

Teacher of the Year, 2006  
Finalist for Henry County, GA 2006 Teacher of the Year  
Teacher of the Month, October, 2005; November, 2004

### The University of Georgia

Col. Earl Cheek Agriculture Education Scholarship, 2000  
College of Education Scholarship, 2000  
Kappa Delta Epsilon Educational Honorary 1999  
Alpha Tau Alpha Agriculture Honorary 1999  
Phi Delta Kappa Educational Honorary Candidate 1999

### Auburn University

1997 Young and Adult Farmers Association Agrispokesperson for Alabama  
Agriculture Ambassador—Vice President 1996-1997  
Agriculture Ambassador of the Year 1996-1997  
Alpha Zeta Agricultural Honorary

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## EDUCATIONAL AND PROFESSIONAL AFFILIATIONS

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Kentucky Association of Agricultural Educators, 2010-Present  
University of Kentucky Alumni Association, 2011-Present  
American Association of Agriculture Educators, 2007-Present  
Association for Career and Technical Education Research, 2007-Present  
National Association of Agriculture Educators, 1999-Present  
North American Colleges and Teachers of Agriculture, 2007-Present

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## PROFESSIONAL DEVELOPMENT

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*College of Agriculture Distance Education Program* (May 11, 2011). Learned ways to incorporate technology and distance education into my classes including iTunes U which I have utilized in CLD 495/775.

*College of Agriculture Advising Conference* (June 15, 2011). This invaluable workshop introduced me to UK Core and provided the basis for all advising of incoming freshman and transfer students during the summer of 2011.

*Statewide Career and Technical Education Summer Program*. (2011, 2012, 2013 and 2014). Gained a perspective of where the research points for the direction of career and college readiness and how I need to better prepare future CTE educators from Director of National Research Center for Career and Technical Education, Dr. James Stone. Also gained a national perspective of college and career readiness from Dr. Gary Moore, President of Association for Career and Technical Education in terms of where CTE has been and where CTE needs to go.

*BlackBoard 101* (August 22, 2011). Learned to incorporate BlackBoard usage into my classroom for assignments, course information, and course content. This was suggested by my students as being important for their success at UK. I have incorporated it into all of my current classes.

*FolioTek Electronic Portfolio Learning Systems*. I have participated in a series of on-going distance seminars hosted by the FolioTek Learning Systems Company. I have utilized the electronic portfolio system in my AED/FCS 362 course and have implemented it in all of the undergraduate AED/FCS courses this academic year.

*Kentucky Council on Postsecondary Education Common Core Standards Workshops* (November 4, 2011). Learned of the direct implications SB 1 will have on pre-service teachers and teacher educators. This includes common core standards, assessment, and effective teaching strategies.