

# Kyle C. Gilliam, Ph.D.

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## Education

<b>Texas Tech University</b> Doctor of Philosophy: Agricultural Communications and Education Advancement to Candidacy: Summer 2017 Dissertation: Effects of Question Difficulty and Post-Question Wait-Time on Psychophysiological Responses and Post-Treatment Exam of Agricultural Education Majors Advisor: Matt Baker, Ph. D.	May 2018
<b>University of Florida</b> Master of Science: Agricultural Education Advisor: Brian Myers, Ph.D.	December 2012
<b>Texas Tech University</b> Bachelor of Science: Interdisciplinary Agriculture	May 2007

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## Employment History

<b>Owner and Agent</b> Kyle Gilliam Real Estate of Long & Foster Real Estate Inc. Washington D.C. Metro	2022 - Present
<b>Manager of Global Strategies and Trade</b> U.S. Grains Council, Washington, D.C.	2019 - 2022
<b>Adjunct Professor for Agricultural Education</b> Virginia Tech, Department of Agriculture, Leadership, and Community Education, Blacksburg, VA	Fall 2019
<b>Instructor and Student Teaching Coordinator for Agricultural Education</b> Virginia Tech, Department of Agriculture, Leadership, and Community Education, Blacksburg, VA	2018 - 2019
<b>Graduate Research and Teaching Assistant</b> Texas Tech University, Department of Agricultural Education and Communications, Lubbock, TX	2015 – 2018
<b>Regional Sales Manager</b> Agri-Services Agency, Agricultural Insurance, Texas	2014 – 2015

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<b>Direct Sales Representative</b> Wilbur-Ellis Organization, Hart, TX	2014
<b>Dept. Head and Lead Instructor, Agricultural Sciences</b> Wichita Falls (TX) Independent School District (ISD)	2013 – 2014
<b>Dept. Head and Lead Instructor, Agricultural Sciences</b> Quanah (TX) ISD	2008 – 2013
<b>Leadership Development Coordinator</b> Texas FFA Association Austin, TX	2007 – 2008
<hr/> <b>Professional Organization Membership</b>	
American Association for Agricultural Education	2016 – 2019
Vocational Agriculture Teachers Association of Texas (VATAT)	2008 – 2014
<hr/> <b>Collegiate Activities and Affiliations</b>	
Texas Tech Ag. Ed. and Comm. Graduate Organization	2015 – 2018
Agri-Techsans Recruitment Organization	2003 – 2004
FarmHouse Fraternity	2003 – 2005
Student Agricultural Council	2003 – 2007
Collegiate FFA	2003 – 2007
TTU Student Government Association	2004 – 2007
<hr/> <b>Awards, Scholarships, Fellowships, and Honors</b>	
Outstanding Dissertation - TTU Dept. of Ag. Ed. & Comm.	2018
Distinguished Manuscript – AAAE – Southern Region Conference	2017
Teaching and Career Enhancement (TEACH) Fellow	2016 – 2017
Student Host Houston Livestock Show Scholarship Banquet	2016
Helen Devitt Jones Graduate Fellowship	2015 – Present
The <u>CH</u> Foundation Graduate Fellowship	2015 – Present
Houston Livestock Show and Rodeo Fellowship	2015 - Present
Honorary State FFA Degree	2009
Houston Livestock Show and Rodeo Scholarship	2003 – 2007

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## Research Posters

- Gilliam, K. C.**, Boren, A., Millares, C. & Frost, K. J. (2017). *Professional Development Needs of Nicaraguan Agricultural Educators*. Research poster presented at the National meeting of the American Association of Agricultural Education, San Luis Obispo, California.
- Gilliam, K. C.**, Gorham, L. M., & Baker, M., Burris, S., Cummins, G., & Irlbeck, E. (2017). *Behavioral Dispositions of Beginning Farmers and Livestock Producers in the Southwestern U.S.: Context Variables with Potential to Inform Education and Communication Programming*. Research poster presented at the regional Western meeting of the American Association of Agricultural Education, Tucson, Arizona, and the National meeting of the American Association of Agricultural Education, San Luis Obispo, California.
- Gilliam, K. C.**, Gorham, L. M., & Baker, M., Burris, S., Cummins, G., & Irlbeck, E. (2016). *Opening the Black Box: An Introduction to the Use of Psychophysiological Tools to Measure Cognitive and Emotional Processing of Agricultural Education and Communications Information*. Innovative poster submitted for presentation at the regional Western meeting of the American Association of Agricultural Education, Tucson, Arizona.

## Research Papers

- Gilliam, K.C.**, Baker, M., Rayfield, J., Ritz, R. & Cummins, R. G. (2019). *Effects of question difficulty and post-question wait-time on emotional response: A psychophysiological analysis*. Research paper presented at the national meeting of the American Association of Agricultural Education, Des Moines, IA.
- Gilliam, K.C.**, Baker, M., Rayfield, J., Ritz, R. & Cummins, R. G. (2019). *Perceptions of undergraduate students on the effects of question difficulty and post-question wait-time on cognitive and emotional processes*. Research paper presented at the national meeting of the American Association of Agricultural Education, Des Moines, IA.
- Gilliam, K.C.**, Baker, M., Rayfield, J., Ritz, R., & Cummins, R.G. (2018). *Effects of Question Difficulty and Post-Question Wait-Time on Cognitive Engagement: A Psychophysiological Analysis*. Research paper presented at the national meeting of the American Association of Agricultural Education, Charleston, SC.
- Millares Forno, C.A., Boren-Alpizar, A.E., **Gilliam, K.**, Burris, S., & Frazee, S. (2018). *Professional Development Needs and Satisfaction of Nicaraguan Agricultural Educators*. Research paper presented at the Conference on Innovation in Agricultural Education, Port au Prince, Haiti.
- Gilliam, K.C.**, Fischer, L.M., Baker, M., Burris, S., Cummins, R.G., & Irlbeck, E. (2017). *Unlocking the Mystery in the Black Box: Promising*
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*Psychophysiological Tools to Measure Skin Conductance, and Facial Electromyography Responses*. Research paper presented at the Association for International Agricultural Education and Extension, Minneapolis, MN.

Fischer, L.M., Cummins, R.G., **Gilliam, K.C.**, Baker, M., Burris, S., & Irlbeck, E. (2017). *Examining the Critical Moments in Information Processing of Water Conservation Videos within Young Farmers and Ranchers: A Psychophysiological Analysis*. Research paper presented at Southern meeting of the American Association of Agricultural Education, Mobile, AL (Distinguished Manuscript)

Fischer, L.M., Cummins, R.G., **Gilliam, K.C.**, Baker, M., Burris, S., & Irlbeck, E. (2017). *Examining the Critical Moments in Information Processing of Water Conservation Videos within Young Farmers and Ranchers: A Psychophysiological Analysis*. Research paper presented at the National meeting of the American Association of Agricultural Education, San Luis Obispo, CA.

**Gilliam, K.C.**, Fischer, L.M., Baker, M., Burris, S., Cummins, R.G., & Irlbeck, E. (2017). *Unlocking the Mystery in the Black Box: Promising Psychophysiological Tools to Measure Skin Conductance, and Facial Electromyography Responses*. Research paper presented at the Association for International Agricultural Education and Extension, Minneapolis, MN.

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## Refereed Journal Articles

**Gilliam, K.C.**, Baker, M., Rayfield, J., Ritz, R., & Cummins, R.G. (2020). *Perceptions of Undergraduate Agricultural Education Students on the Effects of Question Difficulty and Post-question Wait-time on Cognitive and Emotional Processes*. Journal of Agricultural Education. 61. 317-328. 10.5032/jae.2020.04317.

Gikunda, R. M., Boren, A., Frost, K. J., & **Gilliam, K.C.** (2019). *Understanding role establishment, leadership, and motivation for role selection in agricultural education student teams*. NACTA Journal. 63(2).

**Gilliam, K.C.**, Baker, M., Rayfield, J., Ritz, R., & Cummins, R.G. (2018). *Effects of Question Difficulty and Post-Question Wait-Time on Cognitive Engagement: A Psychophysiological Analysis*. Journal of Agricultural Education. 59. 286-300. 10.5032/jae.2018.04286.

Fischer, L.M., Cummins, R.G., **Gilliam, K.C.**, Baker, M., Burris, S., & Irlbeck, E. (2018). *Examining the Critical Moments in Information Processing of Water Conservation Videos within Young Farmers and Ranchers: A Psychophysiological Analysis*. Journal of Agricultural Education. 59. 1-15. 10.5032/jae.2018.02001.

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## Grants

Graduate Student Contributor. Precision Agriculture, Playas and Pollinators: Towards Integrated Agricultural Systems on the Southern High Plains. Southern Region Sustainable Agriculture Research and Education Program, USDA. (\$150,000 – Not Funded)

Graduate Student Contributor. VIKings: Voices from Indigenous Knowledge-Bases and Underrepresented Learners for Success in Colleges of Agriculture and Natural Resources. USDA Higher Education Challenge Grant. (\$30,000 – In Review)

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## Teaching Experience

### Virginia Tech

#### Lead Instructor

ALCE 4024: Managing Agricultural SOEPs (Fall 2018, 13 students)

This course provides students with experiences that will develop competencies essential for the organization and management of managing agricultural supervised occupational experience programs.

ALCE 5044: Program and Curriculum Design in ALCE (Fall 2018, 5 students)

Instructional methodology course focused on analyzing the principles of learning and teaching and designing curriculum and instruction for teaching agriculture subjects in formal and non-formal educational settings.

ALCE 5964: Field Study in Agricultural Education

With this course I was the designated University Supervisor for three student teachers in Agricultural Education. The student teachers were required to submit weekly reports from their field experience and were observed and evaluated on four separate occasions while teaching in the field, once in the fall during early field experience and three further observations during their student teaching field experience in the spring.

2018-19: Hannah Campbell, East Rockingham High School, VA

2018-19: Lucy Hand, Pulaski Co. High School, VA

2018-19: Kaitlin Johnson, Blacksburg High School, VA

ALCE 3004: Educational Programs in Ag and Life Sciences

Offers a foundation for student engagement and exploration of educational programs within agricultural and life sciences. Formal and non-formal learning contexts in local community programs. Opportunities include fieldwork assignments.

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ALS 5034: Professional Communications in Ag and Life Sciences  
Principles of, and skill development in, academic communication to enhance professional preparation in the agricultural and life sciences.

ALCE 3084: Agricultural Metal Fabrication  
Introduction to metal working tools, equipment, and processes.  
Fundamentals of hot and cold metal working, plumbing, and welding applications, including inert gas welding processes.

**Adjunct Instructor**

ALCE 4034: Methods of Planning Educational Programs in Agriculture  
Examines the procedures involved in the development of courses, curriculum, and instructional materials for educational programs in agriculture.

**Texas Tech University**

**Teaching Assistant**

AGED 4404: Methods of Teaching Agriscience in the Secondary School  
Exploration of the methods, techniques, and strategies essential for teaching agricultural subjects in the secondary school

AGED 4303: Designing and Integrating the Agriculture Curriculum  
Instructional methodology on curricular goals for agricultural programs and designing curriculum with integration of STEM areas for cross-content credit in secondary agricultural education.

AGED 2300: Introduction to Agricultural Education  
History and principles of vocational education, community assessment of agricultural programs planning, and development of agricultural youth organization.

**Lead Instructor**

AGED 2304: Agriculture and Society (Online Summer 2016, 18 Students)  
An examination of relationships between agriculture and society, the environment, and population. Emphasis on agriculture's use of Science, Technology, Engineering, and Mathematics.

Course Evaluations (1 - Strongly Disagree, 5 – Strongly Agree):

1. Course objectives specified and followed: 4.25
2. Overall, instructor was an effective teacher: 3.75
3. Overall, this course was a valuable learning experience: 3.88

AGED 2300: Introduction to Agricultural Education (Fall 2016, 53 Students)  
History and principles of vocational education, community assessment of agricultural programs planning, and development of agricultural youth organization.

Course Evaluations (1 - Strongly Disagree, 5 – Strongly Agree):

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| 4. Course objectives specified and followed:                | 4.92 |
| 5. Overall, instructor was an effective teacher:            | 4.89 |
| 6. Overall, this course was a valuable learning experience: | 4.81 |

AGED 2304: Agriculture and Society (Fall 2016, 55 Students)

An examination of relationships between agriculture and society, the environment, and population. Emphasis on agriculture's use of Science, Technology, Engineering, and Mathematics.

Course Evaluations (1 - Strongly Disagree, 5 – Strongly Agree):

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|---|------|
| 1. Course objectives specified and followed:                | 4.90 |
| 2. Overall, instructor was an effective teacher:            | 4.75 |
| 3. Overall, this course was a valuable learning experience: | 4.65 |

AGED 2300: Introduction to Agricultural Education (Spring 2017, 55 Students)

History and principles of vocational education, community assessment of agricultural programs planning, and development of agricultural youth organization.

Course Evaluations (1 - Strongly Disagree, 5 – Strongly Agree):

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|---|------|
| 1. Course objectives specified and followed:                | 4.64 |
| 2. Overall, instructor was an effective teacher:            | 4.70 |
| 3. Overall, this course was a valuable learning experience: | 4.64 |

AGED 2304: Agriculture and Society (Online Summer 2017, 23 Students)

An examination of relationships between agriculture and society, the environment, and population. Emphasis on agriculture's use of Science, Technology, Engineering, and Mathematics.

Course Evaluations (1 - Strongly Disagree, 5 – Strongly Agree):

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|---|------|
| 1. Course objectives specified and followed:                | 4.22 |
| 2. Overall, instructor was an effective teacher:            | 4.00 |
| 3. Overall, this course was a valuable learning experience: | 4.11 |

AGED 4303: Designing and Integrating the Agriculture Curriculum (Spring 2018, 32 Students)

Instructional methodology on curricular goals for agricultural programs and designing curriculum with integration of STEM areas for cross-content credit in secondary agricultural education.

AGED 4306: Student Teaching

With this course I was the designated University Supervisor for two student teachers in Agricultural Education. The student teachers were required to submit weekly reports from their field experience and were observed and evaluated on three separate occasions while teaching in the field.

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## Academic Advising

2017-18- 3 undergraduate students in Interdisciplinary Agriculture- Teacher Certification

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## Invited Presentations

ALCE 4044 Ag Sciences Seminar - Classroom Management	2019
ALCE 6435 Engagement in Univ. Teaching at VT – Research Designs	2018
ALCE 5074 Foundations of ALCE at VT – Foundations of Ag. Education	2018
AGED 5001 Multivariate Stats at TTU Ag. Ed. – Factorial Repeated Measures	2018
AGED 5302 Research Methods at TTU Ag. Ed. – Ethics in Research	2017
AGED 5302 Research Methods at TTU Ag. Ed. – Literature Reviews	2017
AGED 4404 Teaching Methods at TTU Ag. Ed. – Classroom Management	2017
AGED 4404 Teaching Methods at TTU Ag. Ed. – Project Based Learning	2017
Mandela Washington Fellowship Program at TTU – Identity-Based Leadership	2017
AGED 4303 at TTU Ag. Ed. – Advisory Committees and Mission/Goals	2016

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## Leadership Activities

Advisor, Virginia Tech Collegiate FFA	2018 - 2019
Graduate Advisor, Texas Tech Collegiate FFA	2015 – 2018
Area IV VATAT President	2013 – 2014
Area IV VATAT Vice-President	2012 – 2013
Texas CTE State Standards Review Committee	2012
Quanah ISD Attendance Review Board	2010 – 2013
Quanah ISD Campus Leadership Committee	2010 – 2013
Wichita District FFA Leadership Conference Coordinator	2012
Texas Agricultural Science Leadership Institute	2012
TX FFA State Land CDE Monitor	2012
Texas FFA State Officer	2004 – 2005

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## Service Activities

Color the World Your Way - Secretary of the Board of Directors	2019 - 2022
Southern Region AAAE 2019 Conference Paper Reviewer	2018
Southern Region AAAE 2019 Conference Poster Reviewer	2018
Coordinator, Middle School FFA Leadership Conference at VT	2018
FFA State CDE's at TTU Tabulation and Awards, Volunteer	2018
Area I/II FFA CDE's at TTU Tabulation and Awards, Volunteer	2018
Area I/II FFA Farm Business Management CDE, Event Co-Chair	2018
AAAE National Conference Poster Reviewer	2018
Superintendent, Inv. FFA Leadership Development Events at TTU	2017
FFA State CDE's at TTU Tabulation and Awards, Volunteer	2017
Area I/II FFA CDE's at TTU Tabulation and Awards, Volunteer	2017
Area I/II FFA Farm Business Management CDE, Event Co-Chair	2017
AAAE National Conference Poster Reviewer	2017
	2016



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Organizer/Facilitator, Nicaragua 4-S Leadership Programming, Somoto, Nicaragua	2016 2016
Superintendent, Inv. FFA Leadership Development Events at TTU	2016
Co-host for 30 Nicaraguan 4-S (4-H) Students at Texas Tech	2016
AAAE National Conference Research Session Facilitator	2016
FFA State CDE's at Texas Tech Awards Ceremony, Volunteer	2016
Area I/II FFA CDE's at Texas Tech Awards Ceremony, Volunteer	2016
Area I/II FFA Farm Business Management CDE, Event Co-Chair	2015
Area II FFA Scholarship Interview Process, Judge	2015
National FFA Convention, Livestock Evaluation CDE Volunteer	2015
Superintendent, Inv. FFA Leadership Development Events at TTU	2015
Assistant Superintendent, South Plains Ag Mechanics Contest	2015
Co-host for 30 Nicaraguan 4-S (4-H) Students at Texas Tech	
Organizer/Facilitator, FFA Chapter Officer Leadership Training	