

KatieBurke

Assistant Professor

Kansas State University
Communications and Agricultural Education
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EDUCATION

Ph.D., Environmental Design and Planning, August 2015.

College of Architecture, Design and Planning, Kansas State University. Manhattan, Kansas.

Major fields: river process, landscape ecology, urban agriculture. **Dissertation:** Understanding Gully Process in Two Kansas Landscapes. Chair: Dr. Tim Keane.

B.S., Agricultural Communications and Journalism, environmental option, December 2010.

Natural Resources and Environmental Science secondary major. **Magna cum laude.**

College of Agriculture, Kansas State University. Manhattan, Kansas.

TEACHING EXPERIENCE

AGCOM 110 – Intro to Agricultural Communications – Kansas State Univ. – Fall 2018

- * Instructed 28 transfer students, freshmen, major changers and animal science communication option students.
- * Course focuses on building confidence in writing, finding your “voice” in agriculture and discovering different perspectives about agriculture.
- * Covers basic skill-building in writing, design, video, photography and audience analysis.

AGCOM 110 Fall 2018 Course Evaluations

Ratings	Burke Mean	Course Mean	Overall average
Raw	5.0	4.6	4.7
Adjusted	4.6	4.1	4.4

AGCOM 210 – Layout and Design Principles – Kansas State Univ. – Spring 2018

- * Instructed 28 students majoring in agricultural communications or animal science.
- * Course highlights skill-building in Adobe Photoshop, Illustrator and InDesign.
- * Course focuses on print media and covers best practices in file prep. for printing.

AGCOM 210 Spring 2018 Course Evaluations

Ratings	Burke Mean	Course Mean	Overall average
Raw	4.9	4.8	4.8
Adjusted	4.6	4.1	4.3

AGCOM 345 – Adv. Layout and Design Principles – Kansas State Univ. – Fall 2018

- * Instructed 20 students majoring in agricultural communication or animal science.
- * Using Adobe software, course focuses on concepts of layout and design and in-depth file prep. for printing.
- * Students' most common feedback is their confidence growth in design and layout.

AGCOM 345 Fall 2018 Course Evaluations

Ratings	Burke Mean	Course Mean	Overall average
Raw	4.6	4.5	4.6
Adjusted	4.4	4.0	4.2

AGCOM 400 – Agricultural Business Comm. – Kansas State Univ. – Spring/Fall 2018

- * Instructed three separate sections: two online and one on campus, totaling 63 students, all non-majors.
- * Course focuses on skill-building in communication areas such as analytical writing, secondary research, persuasive writing, cover letter and resume writing, basic design concepts, and communicating in teams.

AGCOM 400 Fall 2018 Course Evaluations – Online course

Ratings	Burke Mean	Course Mean	Overall average
Raw	4.2	4.2	4.3
Adjusted	4.2	4.4	4.4

AGCOM 400 Spring 2018 Course Evaluations – Online course

Ratings	Burke Mean	Course Mean	Overall average
Raw	4.6	4.4	4.3
Adjusted	4.4	3.8	3.8

AGCOM 400 Spring 2018 Course Evaluations – On-campus course

Ratings	Burke Mean	Course Mean	Overall average
Raw	4.9	4.1	4.3
Adjusted	5.0	4.6	4.6

TEACHING ASSISTANT EXPERIENCE**LAR 322 – Environ. Issues and Ethics – Kansas State Univ. – Spring 2011, 2013–2015**

- * Graded book reports and exams for 60–80 students per semester (shared TA responsibilities with 1–2 other TAs).
- * Prepared lecture slides for primary instructor.

LAR 420 – Natural Systems and Site Analysis – Kansas State Univ. – Fall 2011–2014

- * Graded science writing reports for 20–30 landscape architecture and community planning students per semester.
- * Took attendance and helped students find resources outside of class.

- * Assisted with and led site visits to Marlatt Park, students’ “natural system” study site.
- * Prepared and presented lectures and writing workshops when needed.

PROFESSIONAL AND ACADEMIC EXPERIENCE

Riparian and Wetland Program Manager

Kansas Department of Agriculture – Division of Conservation – 2015–2017
Developed tools and methods to assess streambank stabilization project success rates.
Contracted for design and construction of streambank stabilization projects.
Collaborated with other Kansas conservation agencies to fund wetland projects.
Managed more than \$1 million in project funding per year.

Field and Research Assistant

The Apache Foundation – Ucross Ranch, Wyoming – 2011–2018
Spent 1–2 weeks each summer doing stream and upland fieldwork.
Long-term monitoring of rangeland for watershed and stream health in north central Wyoming.

Graduate Research Assistant

Kansas State Univ. – Environmental Design and Planning – 2011–2015
Funding Sources: NRCS Conservation Innovation Grant; Department of Defense
Developed methodology to assess and monitor four agricultural fields and military training areas for gully erosion.
Collected and analyzed field survey and weather data.

Research Assistant

Kansas State Univ. – Environmental Design and Planning/Ag Engineering – 2007–2008
Collected/analyzed stream survey data to classify stream type and determine erosion rates.
Collected water samples from stream sites.
Utilized lab equipment to test for total suspended solids and soil texture.

Student Science Writer

KSU Department of Agronomy – 2007–2009
Wrote articles on climate research and initiatives within the department.
Designed and updated monthly agronomy student newsletter.

Student Editor

KSU Communications Department – 2007–2008
Used Adobe InDesign to format and edit K-State Extension publications.

SCHOLARSHIP

Peer-Reviewed Publications:

D’Angelo, J., J.D. Ellis, **K. Burke** and T. Ruth. (2018). Media Portrayal of GM Science and Citrus Greening in State and National Newspapers. *Journal of Applied Communications* 102(1).

Posters, Presentations and Scholarly Work:

- 2017 Presentation: To Restore or Not: The State of Degraded, Warm-water Streams in Agricultural Landscapes of Kansas. Bigham, K. and **Burke, K.** Rocky Mountain Stream Restoration Conference.
- 2017 Poster: Development of a Streambank Assessment Tool for Kansas Watersheds. Bigham, K. and **Burke, K.** Kansas Natural Resources Conference.
- 2016 Poster: Evaluating Ephemeral Gully Erosion as a Major Source of Sediment on Cultivated Croplands. Sheshukov, A., Graber, R., Keane, T., Barnes, P., Devlin, D., Karimov, V. and **Burke, K.** Kansas Natural Resources Conference.
- 2015 Measuring Gully Erosion in Two Kansas Landscapes. **Doctoral Dissertation**, Kansas State University.
- 2015 Presentation: Understanding Gully Erosion in Heavily-used Midwestern Landscapes. **Burke, K.** Council of Educators in Landscape Architecture Conference.
- 2014 Poster: Tracking Gully Development in Two Kansas Landscapes. **Burke, K.** Kansas Governor's Water Conference.
- 2013 Poster: Measuring Gully Erosion in Two Disturbed Kansas Landscapes. **Burke, K.** Capitol Graduate Research Summit, Topeka.
- 2013 Presentation: Measuring Gully Erosion in Two Disturbed Midwestern Landscapes. **Burke, K.** and Keane, T. Council of Educators in Landscape Architecture Conference.
- 2008 Conservation and citizen participation in the Cheney Lake watershed. **Starzec, K.**, French, L., Nelson, N., Devlin, D. Journal of Soil and Water Conservation. 63(6), 204A–207A.

Conferences Attended:

- 2018 Agricultural Communicators of Tomorrow Professional Development Conference. Kansas City, Missouri.
- 2018 Ag Media Summit. Scottsdale, Arizona.
- 2018 Agricultural Communicators of Tomorrow Professional Development Conference. Wooster, Ohio.
- 2018 Kansas Natural Resources Conference. Manhattan, Kansas.
- 2017 Rocky Mountain Stream Restoration Conference. Breckenridge, Colorado.
- 2017 Kansas Natural Resources Conference. Manhattan, Kansas.
- 2016 Kansas Natural Resources Conference. Wichita, Kansas.
- 2016 Governor's Conference for the Future of Water in Kansas. Manhattan, Kansas.
- 2016 Kansas Association of Conservation Districts Convention. Wichita, Kansas.
- 2015 Kansas Natural Resources Conference. Wichita, Kansas.
- 2015 Governor's Conference for the Future of Water in Kansas. Manhattan, Kansas.
- 2015 Kansas Association of Conservation Districts Convention. Wichita, Kansas.
- 2015 Council of Educators in Landscape Architecture. Manhattan, Kansas.
- 2014 Governor's Conference for the Future of Water in Kansas. Manhattan, Kansas.
- 2013 Council of Educators in Landscape Architecture. Austin, Texas.
- 2012 Council of Educators in Landscape Architecture. Champaign, Illinois.

TRAINING

- 2018 – Online Teaching Essentials. Manhattan, Kansas.
- 2018 – ACUE Effective Teaching Practices. Manhattan, Kansas.
- 2017 – Dave Derrick Stream Stabilization Workshop. Wichita, Kansas.
- 2015 – Wildland Hydrology Level IV. River Restoration and Natural Channel Design. Breckenridge, Colorado.
- 2014 – Wildland Hydrology Level III. River Assessment & Monitoring. Shepherdstown, West Virginia.
- 2013 – Wildland Hydrology Level II. River Morphology & Applications. Bend, Oregon.
- 2012 – Wildland Hydrology Level I. Applied Fluvial Geomorphology. Shepherdstown, West Virginia.

SERVICE AND ENGAGEMENT

- Club adviser:** Agricultural Communicators of Tomorrow, K-State Chapter. 2018 – present
 - Assist with fundraising, meeting events, campus events and service
 - Led event planning for the 2018 ACT Professional Development Conference
- Board member:** Kansas Alliance for Wetlands and Streams. 2016 – present
 - Strategic planning committee
 - Communications committee
 - Leadership succession/board development committee
- State of Kansas AgComm FFA CDE coordinator:** 2018 – present
- Co-founder and president:** SAME K-State Student Chapter. 2014 – 2015
- Workshop Instructor:** Stream Visual Assessment Protocol (SVAP). 2016.
- Volunteer Activities:**
 - 2018 Kansas 4-H Discovery Days instructor
 - 2017 Judge for the Kansas Envirothon State Competition
 - 2016 Judge for the Kansas Envirothon State Competition
 - 2015 Judge for the Great Plains Future Cities Competition

HONORS AND AWARDS

- First Place, EPA Campus Rainworks Challenge, Site Design Category, 2014
- Finalist at the Capitol Graduate Research Summit, 2013
- Phi Kappa Phi, Multidisciplinary Collegiate Honor Society, 2010