

CURRICULUM VITA

Jodi A. Sterle

Endowed Professor of Undergraduate
Teaching and Learning
Department of Animal Science
119 Kildee Hall; 806 Stange Rd.
Iowa State University
Ames, IA 50011

Office Phone: 515-294-7997
Cell Phone: 979-218-4816
Email: jsterle@iastate.edu

Education

- UNIVERSITY OF MISSOURI;** *Ph.D. – Swine Reproductive Management* 1998
Advisors: William Lamberson and Matthew Lucy
- UNIVERSITY OF MISSOURI;** *M.S. – Swine Reproductive Management* 1995
Advisor: William Lamberson
- MICHIGAN STATE UNIVERSITY;** *B.S. – Animal Science* 1993

Employment Experiences

IOWA STATE UNIVERSITY

Department of Animal Science

Professor, Harman Endowed Professor in Undergraduate Teaching and Learning, and Undergraduate Teaching Section Leader Aug. 2020 – present

Department of Animal Science

Associate Professor, Harman Endowed Professor in Undergraduate Teaching and Learning, and Undergraduate Teaching Section Leader Aug. 2011 – July 2020

TEXAS A&M UNIVERSITY

Department of Animal Science and Texas AgriLife Extension

Associate Professor and State Extension Swine Specialist Sept. 2004 – Aug. 2011

Assistant Professor and State Extension Swine Specialist. Mar. 1998-Aug. 2004

NATIONAL PORK BOARD

Fellow; Coordinator: Youth Pork Quality Assurance Program Aug. 2004 – Aug. 2005

UNIVERSITY OF MISSOURI

Department of Animal Science Graduate Research Assistant Aug. 1993-Feb. 1998

Teaching Experiences

IOWA STATE UNIVERSITY

Instructor – Animal Science 114: Survey of the Animal Industry – 2 credits

Fall, Spring semesters 2012-present

Co-Instructor – *Animal Science 225: Swine Science* – 3 credits

Fall semester, 2018

Instructor – *Animal Science 380B: Contemporary Issues in the Swine Industry* – 1 credit

Fall 2011, Spring 2012, 2013, 2014, 2015, 2021 Online

Instructor – *Animal Science 280: Basic Swine Science* – 2 credits

Fall, Spring semesters, S 2016 – F 2019 Online

Instructor – *Animal Science 207: The Art and Heritage of Livestock* – 3 credits

Fall 2012 – present (*Humanities credit as of Spring 2013*)

Instructor – *Animal Science 211: Issues Facing Animal Science* – 1 credit

Spring 2013 – Spring 2020

Instructor – *Animal Science 331: Domestic Animal Reproduction* – 3 credits

Fall 2020 - present

Voluntary Instruction

Instructor – *Animal Science 495/6: Study Abroad Experience – Scotland/England* – 3 credits
Focus: Development of Breeds of Livestock

Spring 2016, 2018, 2020

Instructor – *Animal Science 495/6: Study Abroad Experience – Italy/France* – 3 credits

Focus: Niche Markets/Entrepreneurship

Spring 2014

Instructor – *Animal Science 495/6: Study Abroad Experience – South Korea* – 3 credits

Focus: Pork and Beef Exports

Spring 2013

TEXAS A&M UNIVERSITY

Instructor – *Animal Science 207: The Art and Heritage of Livestock* – 3 credits

Fall 2004 - 2010

Instructor – *Animal Science 107: General Animal Science* – 3 credits (Honors)

Fall 1999-2010 (*Communications credit as of Fall 2010*)

Instructor – *Animal Science 108: General Animal Science Laboratory* – 1 credit

Fall, Spring 1999-2003; Fall only 2004-2010

Coach and Instructor – *Meat Animal Evaluation Team*

2001-2006

Instructor – *Contemporary Issues in the Swine Industry* - 1 credit

Fall 2009

Online

UNIVERSITY OF MISSOURI

Instructor – *Animal Science 355: Swine Production* – 3 credits (*Writing Intensive*)

Fall 1997

Teaching Assistant:

Animal Science 384: Reproductive Management - 3 credits

Fall 1997

Animal Science 301: Livestock Genetics - 2 credits (*Math Proficiency*)

Spring 1997

Animal Science 345: Sheep Production - 3 credits (*Writing Intensive*)

Spring 1997

Animal Science 11: Introduction to Animal Science - 3 credits

Fall 1996

Animal Science 355: Swine Production - 3 credits (Writing Intensive)

Fall 1996, 1995, 1994

Animal Science 323: Applied Animal Breeding - 3 credits (Math Profic.)

Spring 1995, 1994

Animal Science 15: Introduction to Animal Science Management - 3 credits

Fall 1994

Administration Experiences

Undergraduate Teaching Coordinator and Section Leader

Management of undergraduate Animal Science teaching program for over 1,000 students

Recruitment – meet with prospective students and parents 4 days/week to inform of program curriculum, student activities, internships, employment opportunities. Over 75% of visits result in enrollment at ISU

Retention – General oversight of academic probation, warning and reinstatement.

Curriculum – general oversight of management of faculty-driven curriculum.

Member of ANS Curriculum Committee

Management of Undergraduate Teaching and Learning Endowment – development of RFP process to assess departmental proposals for funding activities, equipment, and research associated with undergraduate teaching and learning

Management of courses – Listing and management of approximately 90 course sections each semester. Determination of student course fees. Determination of number of sections, timing of offerings and classroom resources, including Hansen Agriculture Student Learning Center

Communication – development of departmental undergraduate communication plan. Includes oversight of digital displays and undergraduate electronic newsletter

Evaluation – administration of online student course evaluation for approximately 90 course sections per semester. Administration of peer evaluation of teaching program

Placement – work with college career center and work with departmental internship coordinator to maintain >95% placement rate of graduates within 6 months of graduation

Honors and Awards

ISU College of Agriculture and Life Sciences Milleman Family Mentor Award – 2020

ISU Academic Advising Impact Award - 2019

ISU John Huntington Ellis Award for Introductory Teaching – 2018

ISU Cardinal Key Honor Society Induction – 2017

ISU Gamma Sigma Delta Teaching Mission Award – 2017

ISU College of Agriculture and Life Sciences Outstanding Service in Student Recruitment and Retention Award – 2017
Iowa State Daily “Favorite Professor” Award - 2017
ISU Alpha Gamma Rho “Friend of AGR” Award – 2013
National Pork Board Innovation Award – Education – 2013
TAMU Student Recognition for Teaching Excellence – 2010
National Pork Board Innovation Award – Education – 2010
National Junior Swine Association Outstanding Service Award - 2008
Texas Pork Producers Association “Order of the Golden Pig” Award - 2008
ASAS Southern Section Outstanding Young Educator Award – 2008
TAMU Student Led Award in Teaching – 2010
TAMU Vice Chancellors Award in Excellence – Industry Partnerships – 2007; 2008
TAMU Association of Former Students Distinguished Achievement Award – Teaching - 2007
TAMU Vice Chancellors Award in Excellence – Student Counseling and Relations - 2006
Texas A&M University College of Agriculture and Life Sciences Honor Professor Award - 2005
National Pork Board Award for Innovation – Education – 2005
Texas Cooperative Extension Superior Service Award – Team – 2004
Epsilon Sigma Phi State Team Award – 4-H Swine Project Team – 2003
Texas Cooperative Extension Superior Service Award – Team – 2002
Donald K. Anderson Graduate Teaching Award - 1995, 1997
Superior Graduate Student Achievement Award - 1996
National Pork Producers Association Swine Innovative Research Award-Basic Research – 1995

Overview of Scholarly Work

Curricula Developed:

1. Youth for the Quality Assurance of Animals. 2017. *National quality assurance and animal care curriculum for youth livestock producers. Roll out: 2017 World Pork Expo. As of 4/30/19: 99,535 individual certifications.*
2. K. Chilek, C.T. Boleman, **J.A. Sterle**, and M. Jarrett. 2007. Quality Counts Texas Trail: An On- line learning experience for youth livestock producers.
3. **J.A. Sterle**. 2005. Youth PQA Distance Learning Module. National Pork Board.
4. C.T. Boleman, K. Chilek, D. Coufal, K. Smith and **J. Sterle**. 2003. Quality Counts: A Character Education and Quality Assurance Curriculum for Texas Livestock Exhibitors.
This curriculum has been adopted by 3 other states. The Quality Counts program was the first state program endorsed and approved by the National Pork Board to meet Youth PQA requirements.
5. **J.A. Sterle**. 2000. Pork Quality Assurance Program for Producers (part of the Pork 101 curriculum sponsored by the National Pork Producers Council).

6. **J.A. Sterle** and R. Williams. 2000. Pork Quality Assurance for Youth Curriculum (adopted by the National Pork Producers Council as the national youth curriculum).

Total Curricula Developed: 6

Publications

Textbooks

- 1) *Introduction to Animal Science*. **Jodi Sterle and Rosie Nold**. 2016. Great Rivers Learning. ISBN#: 978-1-68075-193-2
- 2) *Survey of the Animal Industry*. **Jodi A. Sterle**. 2012. Great Rivers Technologies/Kendall Hunt Publishing. ISBN#: 978-1-61549-562-7.

Refereed Publications:

1. J.M. Bundy, **J.A. Sterle**, A.K. Johnson and G.T. Krahn. 2019. The impact of an introductory animal handling course on undergraduate students who lack previous livestock handling experience. *J. Anim. Sci.* 97: 3588-3595.
2. Bix, Amy; Eisman, April; Gebhart, Nancy; Langenberg, Christiana; Marcketti, Sara B.; Popillion, Amy; Schaal, Michèle A.; **Sterle, Jodi A.**; and Jones-Johnson, Gloria, "(Re)discovering S(h)elves: Selections from the Permanent Collection" (2015). *University Museums Exhibition Guides*.
3. M. J. Ritter , M. Ellis , N. L. Berry , S. E. Curtis , L. Anil , E. Berg , M. Benjamin , D. Butler, C. Dewey , B. Driessen , P. DuBois , J. D. Hill , J. N. Marchant-Forde , P. Matzat , J. McGlone , P. Mormede , T. Moyer, K. Pfalzgraf , J. Salak-Johnson , M. Siemens , **J. Sterle** , C. Stull , T. Whiting , B. Wolter , S. R. Niekamp , and A. K. Johnson. 2009. REVIEW: Transport Losses in Market Weight Pigs: I. A Review of Definitions, Incidence, and Economic Impact. *Prof. Anim. Sci.* 25:404-414.
4. Fosgate, G.T., S. Tavoranpanich, D. Hunter, R. Pugh, **J.A. Sterle**, K.R. Schumann, A.J.Eberling, T.R. Beckham, B.M. Martin, N.P. Clarke, and L.G. Adams. 2008. Diagnostic specificity of a real-time RT-PCR in cattle for foot-and-mouth disease and swine for foot-and-mouth disease and classical swine fever based on non-invasive specimen collection. *Vet Microbiol.* Nov 25;132(1-2):158-64.
5. **Sterle, J. A.**, T. C. Cantley, R. L. Matteri, J. A. Carroll, M. C. Lucy and W. R. Lamberson. 2003. Effect of Recombinant Porcine Somatotropin (rpST) on Fetal and Placental Growth in Gilts with Reduced Uterine Capacity. *J. of Anim. Sci.* 81:765-771.

6. Daniel, J. A., D. H. Keisler, **J. A. Sterle**, R. L. Matteri, and J. A. Carroll. 1999. Birth by caesarian section alters postnatal function in the hypothalamic-pituitary-adrenal axis in young pigs. *J. of Ani. Sci.* 77:742-749.
7. **Sterle, J. A.**, J. T. Peacock, C. K. Boyd, T. C. Cantley, W. R. Lamberson, R. L. Matteri and M. C. Lucy. 1998. Insulin-like growth factor (IGF)-I, IGF-II, and IGF binding protein (BP)-2 in liver and reproductive tissues of pregnant pigs treated with recombinant porcine somatotropin (rpST). *J. Endocrin.* 159:441-50.
8. **Sterle, J. A.** and W. R. Lamberson. 1996. Effects of exposure to an estrual female on the attainment of puberty in gilts. *Therio.* 45:733-744.
9. W. R. Lamberson, **J. A. Sterle**, and R. L. Matteri. 1996 . "Relationships of serum insulin-like growth factor- II concentrations to growth, compositional and reproductive traits of swine." *J. Anim. Sci.* 74:1753-1756.
10. Yuan, W., **J. A. Sterle**, T. C. Cantley, W. R. Lamberson, B. N. Day and M. C. Lucy. 1996. Responses of porcine corpora lutea to somatotropin administration during pregnancy. *J. Anim. Sci.* 74:873-878.
11. **Sterle, J. A.**, T. C. Cantley, W. R. Lamberson, M. C. Lucy, D. E. Gerrard, R. L. Matteri and B. N. Day. 1995. "Effects of recombinant porcine somatotropin on placental size, fetal growth and IGF-I and IGF-II concentrations in pigs." *J. Anim. Sci.* 73:2980-2985.

Total Refereed Manuscripts: 11

Refereed Animal Industry Reports:

1. **Sterle, Jodi** and Bundy, Jennifer (2018) "A Strategy for Undergraduate Student Development in Animal Science," *Animal Industry Report*: AS 664, ASL R3280. Available at: https://lib.dr.iastate.edu/ans_air/vol664/iss1/79
2. Bundy, Jennifer and **Sterle, Jodi** (2018) "Academic Advising Strategies to Support Undergraduate Student Success," *Animal Industry Report*: AS 664, ASL R3278. DOI: https://doi.org/10.31274/ans_air-180814-361 Available at: https://lib.dr.iastate.edu/ans_air/vol664/iss1/76
3. **Sterle, Jodi** (2018) "Iowa State University Department of Animal Science Undergraduate Teaching Update," *Animal Industry Report*: AS 664, ASL R3281. Available at: https://lib.dr.iastate.edu/ans_air/vol664/iss1/80
4. **Sterle, Jodi A.** (2016) "Update from the Animal Science Undergraduate Teaching Section – 2015," *Animal Industry Report*: AS 662, ASL R3125. DOI: https://doi.org/10.31274/ans_air-180814-255 Available at: https://lib.dr.iastate.edu/ans_air/vol662/iss1/86
5. McNeil, Brady M.; Jennings, Heather A.; Jackson, Christen G.; Johnson, Anna K.; and **Sterle, Jodi A.** (2015) "An Experimental Course: Animal Handling, Safety, and Well-Being," *Animal Industry Report*: AS 661, ASL R3038.

DOI: https://doi.org/10.31274/ans_air-180814-1356

Available at: https://lib.dr.iastate.edu/ans_air/vol661/iss1/101

6. **Sterle, Jodi A.** (2014) "Update from the Animal Science Undergraduate Teaching Section – 2014," *Animal Industry Report: AS 660, ASL R2937*. Available at: https://lib.dr.iastate.edu/ans_air/vol660/iss1/102

Total Refereed Animal Industry Reports: 6

Refereed Extension Publications:

*****The following factsheets are part of the new multi-species national youth quality assurance program (Youth for the Quality Care of Animals). This is one set of the three interactive modules in the program. Each module has been externally peer reviewed.**

1. Providing Quality Animal Care. J. Sterle, H. Carroll, L. Chichester and L. Miller. Intermediate Level; Year 2. National Youth Quality Care for Animals Curriculum
2. Providing Quality Care. J. Sterle, H. Carroll, L. Chichester and L. Miller. Senior Level; Year 3. National Youth Quality Care for Animals Curriculum
3. Quality Care. J. Sterle, H. Carroll, L. Chichester and L. Miller. Junior Level; Year 2. National Youth Quality Care for Animals Curriculum
4. Animal Handling and Food Quality. H. Carroll, L. Chichester, L. Miller and J. Sterle. Intermediate Level; Year 3. National Youth Quality Care for Animals Curriculum
5. Daily Animal Care. H. Carroll, L. Chichester, L. Miller and J. Sterle. Intermediate Level; Year 1. National Youth Quality Care for Animals Curriculum
6. The Basics of Animal Care. L. Miller, H. Carroll, L. Chichester, and J. Sterle. Junior Level; Year 1. National Youth Quality Care for Animals Curriculum
7. Animal Well Being Practices. L. Chichester, L. Miller, L. Chichester and J. Sterle. Junior Level; Year 3. National Youth Quality Care for Animals Curriculum
8. Recordkeeping. H. Carroll, L. Chichester, L. Miller and J. Sterle. Junior Level; Year 4. National Youth Quality Care for Animals Curriculum
9. Quality Animal Care. L. Chichester, H. Carroll, L. Miller and J. Sterle. Senior Level; Year 1. National Youth Quality Care for Animals Curriculum

10. Ethics and Animal Well Being. L. Chichester, L. Miller, H. Carroll and J. Sterle. Senior Level; Year 4. National Youth Quality Care for Animals Curriculum
11. Animal Well-Being in Youth Livestock Projects. L. Miller, H. Carroll, L. Chichester and J. Sterle. Young Adult Level; Year 1. National Youth Quality Care for Animals Curriculum
12. Providing Quality Care. L. Miller, H. Carroll, L. Chichester and J. Sterle. Young Adult Level; Year 2. National Youth Quality Care for Animals Curriculum
13. Hot Topics in Animal Agriculture. L. Chichester, H. Carroll, L. Miller and J. Sterle. Young Adult Level; Year 3. National Youth Quality Care for Animals Curriculum

*****The following 15 videos were developed with a grant from the US Pork Center of Excellence. They were peer reviewed and are a part of the USPCE Pork Information Gateway. They will also be used in the new Iowa 4-H Livestock Curriculum, Animal U.**

14. Swine Science – Veterinary Feed Directive: What You Need to Know. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/swine-science-veterinary-feed-directive/>
15. Swine Science – The Veterinary Client Patient Relationship. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/swine-science-vcpr/>
16. Preventing Heat Stress in Show Pigs. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/preventing-heat-stress-show-pigs/>
17. Identifying Fresh Pork Cuts. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/identifying-fresh-pork-cuts/>
18. Caring for Pigs While at the Show. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/caring-pigs-show/>
19. What Goes in a Showbox. J. Sterle and A. Powell. 2017.
<http://porkgateway.org/resource/what-goes-in-a-showbox/>
20. Weighing Show Pigs to Reduce Stress. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/weighing-pigs/>
21. Walking Pigs to Build Endurance. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/walking-pigs/>
22. Record Keeping. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/record-keeping/>

23. Providing Swine Comfort. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/pig-comfort/>
24. Measuring Feed and Feeding Pigs. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/measuring-feed-and-feeding-pigs/>
25. Loading the Trailer. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/measuring-feed-and-feeding-pigs/>
26. Daily Care of Show Pigs. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/daily-care/>
27. Biosecurity Tip and Tricks. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/biosecurity/>
28. Daily Observation. J. Sterle and A. Powell. 2016.
<http://porkgateway.org/resource/daily-observation/>

Other Refereed Extension Publications:

1. Becton, L., T. Zambel and **J. Sterle**. 2013. *Biosecurity for Youth: A Champion's Guide*. Published by the National Pork Board.
2. **Sterle, J.** and R. Dewell. 2013. Heat Stress Prevention at Livestock Exhibitions: Is your animal too hot? (Informational posters developed for display in barns).
3. M. Ruble, **J. Sterle**, and A. Johnson. 2012. "Touch and Talk " Halter Breaking Strategy for Youth Beef Exhibitors. VIDEO.
4. Gill, R., J. Cleere, T. Antilley, T. Friend, and **J. Sterle**. 2011. *VIDEO: Safety Around Your Livestock Projects*. Published by the University of Texas Health Sciences Center as part of the Southwest Center for Agriculture Health, Injury Prevention, and Education.
5. **Sterle, J.** 2011. *Unloading off the trailer, headed to the washrack, in the show ring...Are you "YouTube™-ready"?* USPCE Pork Information Gateway and TAMU Animal Science.
6. **Sterle, J.** 2010. *Skin Care Preparation: Preparing for a "water only" show*. USPCE Pork Information Gateway and TAMU Animal Science.
7. **Sterle, J.** 2010. *What goes in the Showbox?* USPCE Pork Information Gateway and TAMU Animal Science.
8. **Sterle, J.** 2010. *Managing Weight of Show Pigs Prior to Show*. TAMU Animal Science.
9. **Sterle, J.** 2009. *Artificial Insemination in Swine*. USPCE Pork Information Gateway and TAMU Animal Science.

10. **Sterle, J.** 2009. *Biosecurity Practices for Tag-in and Validation: A Checklist.* USPCE Pork Information Gateway and TAMU Animal Science.
11. **Sterle, J.** 2009. *Biosecurity Practices for Swine Shows and Exhibitions: A Checklist.* USPCE Pork Information Gateway and TAMU Animal Science.
12. **Sterle, J.** 2009. *Biosecurity Practices for Youth Swine Exhibitors: A Checklist.* USPCE Pork Information Gateway and TAMU Animal Science.
13. **Sterle, J.** 2008. *Market Swine Essentials.* Texas AgriLife Extension.
14. **Sterle, J.** 2008. *Breeding Gilt Essentials.* Texas AgriLife Extension.
15. **Sterle, J.** 2006. *The Porcine Stress Gene: What the Show Pig Industry Needs to Know.* USPCE Pork Information Gateway and TAMU Animal Science.
16. **Sterle, J.** 2000. *Texas 4-H Swine Guide.* Texas AgriLife Communications.

Total Refereed Extension Publications: 44

Non-Refereed Extension Publications

1. **Sterle, J.** 2006 (revision; original published in 2001). *Paylean Use in Show Pigs.* TAMU Animal Science.
2. **Sterle, J.** 2003. *Preventing Lameness in Show Pigs.* TAMU Animal Science.
3. **Sterle, J.** 2002. *Keeping Show Gilts as Replacements.* TAMU Animal Science.
4. **Sterle, J.** 2002. *Providing a Safe, Wholesome Product: Administration of Medications to Ensure Safety and Quality.* TAMU Animal Science.
5. **Sterle, J.** 2002. *Preventing Drug Residues in Livestock.* TAMU Animal Science.
6. **Sterle, J.** 2001. *Starting Them Off Right! Getting your New Show Pigs on the Right Track.* TAMU Animal Science.
7. **Sterle, J.** 2001. *From the Ground Up: The Importance of Structural Soundness.* TAMU Animal Science.
8. **Sterle, J.** 2000. *Carcass Quality: Why is it Important?* TAMU Animal Science.
9. **Sterle, J.** 2000. *From Pen to Plate: Carcass Composition of Market Hogs.* TAMU Animal Science.
10. **Sterle, J.** 1999. *Baby Pig Basics.* TAMU Animal Science.

Total Non-refereed Extension Publications: 10

Abstracts:

1. **J.A. Sterle*** and M.G. Hogberg. 2018. *Development of an Animal Science-Specific Alumni International Travel Experience to Increase Student Travel Support*. Presented at the ASAS National Meeting in Vancouver, BC.
2. A. Powell, G. Miller and **J. Sterle**. 2018. *Factors Influencing Choice of Major in the College of Agriculture and Life Sciences at Iowa State University*. Volume 62, Supplement 1. Presented at the NACTA Annual Meeting in Ames, IA.
3. E. Huff-Lonergan, J. Cunnick, A. Johnson, and **J.A. Sterle***. 2017. *Development and Implementation of a Peer Evaluation Teaching Protocol in a Large Animal Science Program*. Presented at the ASAS Annual Meeting in Baltimore, MD.
4. C.G. Burgett, **J.A. Sterle**, and J. M. Bundy. 2017. *Male Seniors were the Lowest Performing Students in an Introductory Dairy Cattle Science Course*. Presented at the 2017 ADSA Meetings.
5. **J.A. Sterle*** and H.D. Tyler. 2016. *Retaining Urban Students in Animal Science: The Role of Equine Programs*. Presented at the ASAS Joint Annual Meetings in Salt Lake City, UT. *Invited Abstract*.
6. **J.A. Sterle***, H.D. Tyler and J.A. Daniel*. 2016. *Beyond Veterinary School: Helping Animal Science Students Explore Other Career Opportunities*. Presented at the ASAS Joint Annual Meetings in Salt Lake City, UT. *Invited Abstract*.
7. **J.A. Sterle*** and H.D. Tyler. 2016. *The Next Generation of Animal Science Students: Changing Demographics Dictate Curriculum Changes*. Presented at the Midwest ASAS Meetings in Des Moines, IA. *Invited Abstract*.
8. **J. Sterle**, A. Powell and K. Schulz. 2016. *Creating Infographics as an Educational Teaching Tool in Two Iowa State University Animal Science Classes*. Presented at the North American Colleges and Teachers of Agriculture Meetings, Honolulu, HI. NACTA Journal: Vol. 60, Suppl. 1. Abstract.
9. Jennings H., Jackson C., Johnson A., **Sterle J.**, McNeil B. 2015. *Impacts of Course Delivery Methodology and Duration for a Hands-On Learning Based Approach to Livestock Handling*. Presented at the North American Colleges and Teachers of Agriculture Meetings in Athens, GA. NACTA Journal Vol. 59, Suppl. 1. Abstract.
10. Robinson, A.L., H.A. Jennings, **J.A. Sterle**, C.L. Morris, K.J. Stalder, and H.D. Tyler. 2015. *Factors affecting first year grade point average in a large animal science program*. Presented at the ASAS Joint Annual Meetings in Orlando, FL. J. Anim. Sci. Vol. 93.
11. Selsby, J.T. and **J.A. Sterle**. 2015. *Student perception of achievement influences student evaluation of teaching*. Presented at the Experimental Biology Meetings in

San Diego, CA.

12. Foreman, E.A., **Sterle, J.A.** & Retallick, M.S. 2014. *Differences in College of Agriculture and Life Sciences Students' Expectation of Instructors, Advisers, and Self, During their College Experience*. Proceedings of 2014 North American Colleges and Teachers of Agriculture Meetings in Bozeman, MT. NACTA Journal Vol. 58, Suppl. 1. Abstract.
13. **Sterle, J.A.*** & Foreman, E.A. 2014. *Gender differences among College Students' Expectations of Instructors, Advisers, and Themselves*. Proceedings of 2014 North American Colleges and Teachers of Agriculture in Bozeman, MT. NACTA Journal Vol. 58, Suppl. 1. Abstract.
14. Joshua T. Selsby, **Jodi A. Sterle**, Craig M. Zywicki. 2014. *Participation in supplemental instruction improves students' academic performance in a physiology course*. Proceedings of the 2014 Experimental Biology Meetings, San Diego, CA. Abstract.
15. H. Tyler and **J.A. Sterle**. 2013. *Developing critical academic and social connections for incoming students prior to the first day of classes using a combination of innovative programs*. Presented at the ASAS Joint Annual Meetings in Indianapolis, IN. J. Anim. Sci. Vol. 91.
16. B. McNeil, K. Stalder, **J. Sterle**, and T. Baas. 2013. *Swine-Specific Career Night for Animal Science Students at Iowa State University*. Presented at the ASAS Midwest Meetings in Des Moines, IA. J. Anim. Sci. Vol. 91, E-Suppl. 3.
17. T.J. Baas, K. Stalder, and **J. Sterle**. 2013. *Student Evaluations of a Teamwork/Leadership Activity Across Two Swine Courses in Animal Science at Iowa State University*. Presented at the ASAS Midwest Meetings in Des Moines, IA. J. Anim. Sci. Vol. 91, E-Suppl. 3. (**National Pork Board Education Award**)
18. **J.A. Sterle.*** 2012. *Creating Animal Scientists from Scratch – Meeting Industry Needs with Today's Students*. Presented at the ASAS Joint Annual Meetings in Phoenix, AZ. J. Anim. Sci. Vol. 90.
19. **J.A. Sterle.*** 2011. *Incorporating an Issues Survey Assignment into an Introductory Animal Science Course*. Presented at the ASAS Joint Annual Meetings in New Orleans, LA. J. Anim. Sci. Vol. 89.
20. **J.A. Sterle.*** (Invited) *Creating industry advocates in the classroom: Media interview project*. 2010. Presented at the Midwest ASAS Meeting, Des Moines, IA. J. Anim. Sci. Vol. 88, E-Suppl. 3.
21. M.T. See, K. Beeler, M. Whitney, G. Thome, M. Swan, M. Morrow, Y. Li, T. Baas, B. Richert, R. Knox, S. Pohl, A. Sutton, S. Moeller, **J. Sterle**, P. Holden, M. Hardin, K. Leedom-Larson, D. Newman, D. Meisinger. *Pork Information Gateway serves as online clearinghouse for pork production information*. 2010. Presented at the Midwest ASAS Meeting, Des Moines, IA. J. Anim. Sci. Vol. 88, E-Suppl. 3. (**National Pork Board Education Award**).
22. **J.A. Sterle.*** *Incorporating writing assignments in large animal science courses*. 2009.

- Presented at the ASAS Joint Annual Meeting, Montreal, Canada. J. Anim. Sci. Vol. 87, E-Suppl. 2/J. Dairy Sci. Vol. 92, E-Suppl. 1.
23. **J.A. Sterle*** and J.J. Parrish*. *Changes that have occurred in animal science teaching.* 2008. Presented at the ASAS Joint Annual Meeting, Indianapolis, IN. J. Anim. Sci. Vol. 86, E-Suppl. 2/J. Dairy Sci. Vol. 91, E-Suppl. 1.
 24. **J.A. Sterle.*** *Bringing the industry into the classroom: Media interview project.* 2007. Presented at the ASAS Joint Annual Meeting, San Antonio, TX. J. Anim. Sci. Vol. 85, Suppl. 1/J. Dairy Sci. Vol. 90, Suppl. 1/Poult. Sci. Vol. 86, Suppl. 1.
 25. **J.A. Sterle.*** *Animal sciences curricula: A historical perspective.* 2007. Presented at the ASAS Joint Annual Meeting, San Antonio, TX. J. Anim. Sci. Vol. 85, Suppl. 1/J. Dairy Sci. Vol. 90, Suppl. 1/Poult. Sci. Vol. 86, Suppl. 1.
 26. M. Ritter, M. Ellis, M. Benjamin, E. Berg, P. DuBois, J. Marchant-Forde, A. Green, P. Matzat, P. Mormede, T. Moyer, K. Pfalzgraf, M. Siemens, **J. Sterle**, T. Whiting, B. Wolter. 2005. *The fatigued pig syndrome.* Presented at the ASAS Joint Annual Meeting. J. Anim. Sci. Vol. 83, Suppl. 1/J. Dairy Sci. Vol. 88, Suppl. 1.
 27. **Sterle, J.A.*** 2005. *ANSC 489: The Art and Heritage of Livestock – Bringing the Humanities Alive for Agriculture Students.* Presented at the Agricultural Historical Society meetings at Greenfield Village, MI.
 28. **Sterle, J.A.*** and C.T. Boleman. 2005. *Needs Assessment for Identifying Educational Opportunities in the Show Pig Industry: A Survey of Packers.* Presented at the Midwestern Section ASAS meetings in Des Moines, IA. J. Anim. Sci. Vol. 83, Suppl. 3.
 29. Chilek, K., Boleman, C., Coufal, D., Smith, K., and **Sterle, J.** 2003. *Development of "Quality Counts", a character education and quality assurance curriculum for livestock exhibitors in Texas.* Presented at the 4-H Galaxy Conference in Salt Lake City, UT.
 30. **Sterle, J.A.***, and L.J. Johnston*. 2002. *Use of a hands-on workshop to teach swine reproductive management to farrowing barn workers.* Presented at the Midwest Section ASAS Meetings, Des Moines, IA. J. Anim. Sci. Vol. 80, Suppl. 3.
 31. **Sterle, J.A.***, C.L. Skaggs and D.B. Griffin. 2001. *Frequency of the porcine stress gene in show pigs and its effects on meat quality.* Presented at the ASAS Annual Meetings, Indianapolis, IN. J. Anim. Sci. Vol. 83, Suppl. 1/J. Dairy Sci. Vol. 84, Suppl. 1.
 32. Candler, K.C., C.G. Brown, D.A. Neuendorff, A.W. Lewis, **J.A. Sterle**, D.H. Keisler, and R.D. Randel. 2001. *Supplemental feeding lactating Fallow does increased body condition score and circulating leptin but failed to improve reproductive efficiency.* Presented at the ASAS Joint Annual Meetings, Indianapolis, IN. J. Anim. Sci. Vol. 83, Suppl. 1/J. Dairy Sci. Vol. 84, Suppl. 1.
 33. **Sterle, J.A.***, T.C. Cantley, J.A. Carroll, R.L. Matteri, M.C. Lucy, and W.R.

- Lamberson. 1998. *Recombinant porcine somatotropin effects on placental characteristics in gilts with reduced uterine capacity*. Presented at the ASAS Annual Meeting, Denver, CO. J. Anim. Sci. 76 (Suppl. 1):242.
34. Daniel, J.A., D.H. Keisler, **J.A. Sterle**, R.L. Matteri, and J.A. Carroll. 1998. *Type of birth affects the function of the hypothalamic-pituitary-adrenal axis in the neonatal pig*. Presented at the ASAS Annual Meeting, Denver, CO. J. Anim. Sci. 76 (Suppl. 1):99.
 35. Carroll, J.A., J.A. Daniel, **J.A. Sterle**, D.H. Keisler, and R.L. Matteri. 1998. *Post-natal function of the somatotrophic axis in piglets born naturally or by Caesarian-Section*. Presented at the ASAS Annual Meeting, Denver, CO. J. Anim. Sci. 76 (Suppl. 1):126.
 36. **Sterle, J.A.***, T.C. Cantley, J.A. Carroll, R.L. Matteri, M.C. Lucy and W.R. Lamberson. 1997. *Effect of recombinant porcine somatotropin (rpST) on fetal and placental growth in gilts with reduced uterine capacity*. Presented at the 5th International Conference on Swine Reproduction in Rolduc, Kerkrade, The Netherlands.
 37. **Sterle, J.A.***, J.T. Peacock, C.K. Boyd, T.C. Cantley, W.R. Lamberson, R.L. Matteri and M.C. Lucy. 1997. *Insulin-like growth factor (IGF)-I, IGF-II, and IGF binding protein (BP)-2 in liver and reproductive tissues of pregnant pigs treated with recombinant porcine somatotropin (rpST)*. Presented at the Midwest Section ASAS Meetings, Des Moines, IA. J. Anim. Sci. 75 (Suppl. 3).
 38. Lamberson, W.R., **J.A. Sterle** and W.O Herring. 1997. *Development of decision support software for beef cattle crossbreeding systems*. Presented at the Midwest Section ASAS Meetings, Des Moines, IA. J. Anim. Sci. 75 (Suppl. 3).
 39. **Sterle, J.A.***, T.C. Cantley, R.L. Matteri, M.C. Lucy and W. R. Lamberson. 1996. *Increased uterine capacity by injections of recombinant porcine somatotropin (rpST) to gilts during gestation*. Presented at the National ASAS Meetings in Rapid City, SD. J. Anim. Sci. 74 (Suppl. 1).
 40. **Sterle, J.A.***, T. C. Cantley, W. R. Lamberson and M. C. Lucy. 1996. *Ultrasonic evaluation of follicular growth in weaned sows*. Presented at the 1996 Midwestern Section American Society of Animal Science Meetings in Des Moines, IA. J. Anim. Sci. 74 (Suppl. 3).
 41. **Sterle, J.A.***, T.C. Cantley, W.R. Lamberson, M.C. Lucy, D.E. Gerrard, R.L. Matteri and B.N. Day. 1995. *Effects of recombinant porcine somatotropin on placental size, fetal growth and IGF-I and II concentrations in pigs*. Presented as a graduate competition paper at the Midwest Section ASAS Meetings in Des Moines, IA. J. Anim. Sci. 73 (Suppl. 3).
 42. **Sterle, J.A.***, M. Kaps and W.R. Lamberson. 1995. *Effect of exposure to an estrual female on the attainment of puberty in gilts*. Presented at the National American Society of Animal Science Meetings in Orlando, FL. J. Anim. Sci. 73 (Suppl. 1).
 43. Lamberson, W.R., **J.A. Sterle***, T.J. Safranski and R.L. Matteri. 1995.

Relationships of serum IGF-II concentrations to growth, compositional and reproductive traits in swine. Presented at the National American Society of Animal Science Meetings in Orlando, FL. J. Anim. Sci. 73 (Suppl. 1).

Total Abstracts: 43

Proceedings

1. 2015. American Society of Animal Science Innovate Conference on Undergraduate Teaching. Strengthening the Curriculum and Improving Student Outcomes through Better Teaching. Hamilton, GA.
2. 2004. National Market Hog Symposium. The Science of the Stress Gene. West Lafayette, IN.
3. 2004. National Market Hog Symposium. Paylean and the Show Pig Industry. West Lafayette, IN.
4. 2004. National Market Hog Symposium. Youth Pork Quality Assurance. West Lafayette, IN.
5. 2002. Puerto Rico Conference on Food and Egg Production and Safety. San Juan, Puerto Rico. Pork Quality Assurance. (also translated into Spanish).
6. 1998. Principles of Production I: Swine Artificial Insemination. College Station.

Total Proceedings Publications = 6

Graduate Faculty Member/POS Committee Member:

Serving/Served on **13 Master of Science** candidate committees, **1 Master of Agriculture** committee, and **7 doctoral candidate** committees.

Invited Presentations

Total Invited Presentations: 399

International: 7

1. International Association of Fairs and Expositions. Show Pigs 101: Care and Handling at the Show to Prevent Stress. Invited Speaker. 2013. Grand Island, NE.

2. Peruvian Swine Producers. Basic US Swine Production. Invited Speaker. 2010. Casa de Aguilar, Peru.
3. 7th International Livestock Farming Systems (LFS) Symposium and 55th Annual Meeting of the European Association for Animal Production. Slovenia. The Changing Structure of the U.S. Swine Industry. Invited Speaker. 2004. Bled, Slovenia.
4. Puerto Rico Conference on Food and Egg Production and Safety. Pork Quality Assurance. (translated into Spanish). Invited Speaker. 2002. San Juan, Puerto Rico.
5. American Farm School – Greece. An Overview of the U.S. Swine Industry. Invited Speaker. 2002. College Station, TX.
6. Euro-McDonald’s Executives Visit. Overview of the Swine Industry. Invited Speaker. 2001. College Station, TX.
7. Hosted international visitor from Malaysia. Toured Owen’s Country Sausage and Wright Brand Foods. USDA sponsored. 2001. Richardson, TX and Vernon, TX.

National (including state programs outside of home state): 78

1. American Society of Animal Science Webinar: Teaching During the Pandemic. Invited Speaker/Panelist. 2020.
2. American Society of Animal Science Webinar: Teaching During the Pandemic: An Update. Invited Speaker/Panelist. 2020.
3. Swine Reproductive Anatomy: A Hands-on Workshop. Invited Speaker. 2018. Des Moines.
4. Monsanto Leaders Engaged in Advancing the Dialog (L.E.A.D.) Dietician Blogger Tour. Invited Host and Tour Leader. 2017. Baltimore, MD.
5. ASAS National Meetings. Undergraduate Student Luncheon. Preparing for and Surviving Graduate School. Invited Speaker. 2017. Baltimore, MD.
6. Monsanto Leaders Engaged in Advancing the Dialog (L.E.A.D.) Dietician Blogger Tour. Invited Panelist. 2016. Des Moines, IA.
7. FarmHer GROW Conference. The Path: Moving Ahead in the Ag Industry. Invited Speaker. 2016. Ankeny, IA.

8. National Junior Swine Association Bootcamp. The Path - Careers in the Swine Industry. Invited Speaker. 2016. Ames, IA.
9. National Junior Swine Association Bootcamp. Are You You-Tube Ready? Representing the Swine Industry. Invited Speaker. 2016. Ames, IA.
10. All-Star Show Pig Camp. Careers in the Swine Industry. Invited Speaker. 2016. Columbus, OH.
11. All-Star Show Pig Camp. Representing the Swine Industry - Are You YouTube Ready? Invited Speaker. 2016. Columbus, OH.
12. FarmHer GROW Conference. Networking in the Ag Industry. Invited Luncheon Host. 2015. Ankeny, IA.
13. All-Star Show Pig Camp. Careers in the Swine Industry. Invited Speaker. 2015. Henningson, WV.
14. All-Star Show Pig Camp. Representing the Swine Industry - Are You YouTube Ready? Invited Speaker. 2015. Henningson, WV.
15. Erie County Fair Livestock Exhibitors. Are You YouTube Ready? Representing the Livestock Industry in a Positive Light. Invited Speaker. 2014. Erie, NY.
16. National Pork Board Youth Task Force. Crisis Management for Youth Swine Shows. Invited Speaker. 2013. Des Moines, IA.
17. Illinois Pork Congress. Preventing Stress in Show Pigs. Invited Speaker. 2013. Peoria, IL.
18. USDA/FDA Antibiotic Feed Directive Hearings. Invited Speaker. 2013. Pierre, SD.
19. National Pork Board Producer Services Task Force. Animal Science Undergraduates to Swine Industry Employees. Invited Speaker. 2013. Des Moines, IA.
20. National Junior Swine Association National Leadership Conference. Opportunities in the Swine Industry - what you need to do to prepare. Invited Speaker. 2013. Ames, IA.
21. Western Regional NJSA Show. Youth PQA Plus Training. Invited Speaker. 2013. Modesto, CA.
22. Western Regional NJSA Show. Adult PQA Plus Training. Invited Speaker. 2013. Modesto, CA.

23. Illinois Pork Congress. The Use of Social Media: Are you YouTube Ready? Invited Speaker. 2013. Peoria, IL.
24. ADSA-SAD Regional Convention. Employment Opportunities in the Dairy Industry. Invited Speaker. 2013. Ames, IA.
25. World Pork Expo. Youth PQA Plus Training. Invited Speaker. 2013. Des Moines, IA.
26. National Pork Board Show Pig Influenza Prevention Meeting. A Day in the Life of a Show Pig. Invited Speaker. 2012. Des Moines, IA.
27. World Pork Expo. Youth PQA Plus Training. Invited Speaker. 2012. Des Moines, IA.
28. World Pork Expo. Youth PQA Plus Training. Invited Speaker. 2011. Des Moines, IA.
29. Ft. Pierce County 4-H. Show Pig Clinic. Invited Speaker. 2010. Ft. Pierce, FL.
30. Ft. Pierce County 4-H. Show Management to Reduce Stress in Show Pigs. Invited Speaker. 2010. Ft. Pierce, FL.
31. World Pork Expo. State Intern and Ambassador Training. Invited Speaker. 2010. Des Moines, IA
32. World Pork Expo. Youth PQA Plus Training. Invited Speaker. 2010. Des Moines, IA.
33. National Pork Board Retail Advisory Committee Meeting. PQA Plus Certification: What it means for Retailers. Invited Speaker. 2010. New Orleans, LA.
34. American Meat Institute Animal Welfare and Handling Conference. Reaching Today's Youth. Invited Speaker. 2010. Kansas City, MO.
35. World Pork Expo. State Intern PQA Training. Invited Speaker. 2009. Des Moines, IA.
36. World Pork Expo. Youth PQA Training. Invited Speaker. 2009. Des Moines, IA.
37. National Junior Swine Association National Leadership Conference. The Stockshow Industry in Texas. Invited Speaker. 2008. San Antonio, TX.

38. National Pork Board Swine Educators In-service. Show Pig Update. Invited Speaker. 2008. Kansas City, MO.
39. National Pork Board Swine Educators In-service. Bringing the Industry Into the Classroom – Media Interview Project. Invited Speaker. 2008. Kansas City, MO.
40. Iowa Pork Congress. Swine Reproductive Anatomy Wet Lab. Invited Speaker. 2008. Des Moines, IA.
41. Iowa Pork Congress. Youth Symposium. Invited Speaker. 2008. Des Moines, IA.
42. National Junior Swine Association Regional Leadership Conference. Keynote Speaker. The Path. Invited Speaker. 2008. Ames, IA.
43. National Junior Swine Association Regional Leadership Conference. Opportunities for Your Children in the Agriculture Industry – Parent Symposium. Invited Speaker. 2008. Ames, IA.
44. National Junior Swine Association Regional Leadership Conference. Keynote Speaker. Opportunities in the Swine Industry – Youth Symposium. Invited Speaker. 2008. Ames, IA.
45. National Pork Board Swine Educators In-service. Show Pig Update. Invited Speaker. 2007. Indianapolis, IN.
46. National Pork Board Swine Educators In-service. Creating Advocates for the Swine Industry. Invited Speaker. 2007. Kansas City, MO.
47. Utah 4-H Leaders Conference. Pork Quality Assurance Training. Invited Speaker. 2006. Salt Lake City, UT.
48. National Cowboy Symposium. The Art and Heritage of Livestock. Invited Speaker. 2006. Lubbock, TX.
49. National Pork Board Professional Swine Managers Conference. Induction and Control of Estrus. (250,000 sows represented; ~5% of national annual harvest). Invited speaker. 2005. Guymon, Oklahoma.
50. National Pork Board Professional Swine Managers Conference. Management of the Gilt Pool. (250,000 sows represented; ~5% of national annual harvest). Invited speaker. 2005. Guymon, Oklahoma.
51. National Pork Board Professional Swine Managers Conference. Management of the Gilt Pool. Invited Speaker. 2005. Marshall, MO.

52. Oklahoma Vocational Agriculture Instructors Conference. Pork Quality Assurance Training. Invited Speaker. 2005. Stillwater, OK.
53. National Pork Board Professional Swine Managers Conference. Induction and Control of Estrus. Invited Speaker. 2005. Springfield, Illinois.
54. National Pork Board Professional Swine Managers Conference. Management of the Gilt Pool. Invited Speaker. 2005. Springfield, Illinois.
55. National Pork Board Swine Educators Conference. Swine Youth Projects: Challenges and Opportunities. Invited Speaker. 2005. Des Moines, Iowa.
56. National Pork Board World Pork Expo – Pork Academy. Pigs in Art and Folklore. Invited Speaker. 2005. Des Moines, Iowa.
57. Idaho Pork Congress – Youth Pork Quality Assurance. Invited Speaker. 2005. Twin Falls, ID.
58. National Pork Board Swine Educators Conference. Issues Facing the Show Pig Industry. Invited Speaker. 2004. Des Moines, IA.
59. National Market Hog Conference. Paylean Use in the Swine Industry. Invited Speaker. 2004. Las Vegas, NV.
60. National Market Hog Conference. 2004 National Show Pig Packer Survey Results. Invited Speaker. 2004. Las Vegas, NV.
61. National Market Hog Conference. The Porcine Stress Gene: Truth and Myth. Invited Speaker. 2004. Las Vegas, NV.
62. National Market Hog Conference. Youth PQA Program. Invited Speaker. 2004. Las Vegas, NV.
63. National Pork Board Packer Meeting. Kansas City, MO. National Show Pig Packer Survey. Invited Speaker. 2004. Kansas City, MO.
64. National Pork Board Pork Quality Assurance Training – New Youth Standards. Issues Facing the Show Pig Industry. 2004. Portland, OR.
65. National Pork Board Pork Quality Assurance Training – New Youth Standards. PQA for Youth Curriculum. 2004. Portland, OR.
66. National Pork Board Pork Quality Assurance Training – New Youth Standards. Ethics and Character Education. 2004. Portland, OR.

67. National Pork Board Pork Quality Assurance Training – New Youth Standards. Issues Facing the Show Pig Industry. 2003. Des Moines, IA. *This national training was offered twice for attendees to choose from one week or the next.*
68. National Pork Board Pork Quality Assurance Training – New Youth Standards. PQA for Youth Curriculum. 2003. Des Moines, IA. *This national training was offered twice for attendees to choose from one week or the next.*
69. National Pork Board Pork Quality Assurance Training – New Youth Standards. Ethics and Character Education. 2003. Des Moines, IA.
70. Minnesota Pork Congress. Reproductive Anatomy and Physiology Wet Lab. Invited Speaker. 2002. Minneapolis, MN.
71. National Market Hog Symposium. Stress and Handling of Today’s Show Pigs. Invited Speaker. 2002. Stillwater, OK.
72. National Pork Board Meeting. Update on Pork Quality Assurance for Youth. Invited Speaker. 2001. San Antonio, TX.
73. National Pork Board Meeting. Fiesta Supermarkets Meat Managers Training. An Overview of the U.S. Swine Industry. Invited Speaker. 2001. Houston, TX.
74. National Pork Board Meeting. The Texas Show Pig Industry, its contributions and Educational Opportunities: PQA for Youth. Invited Speaker. 2001. College Station, TX.
75. STARS Minorities in Agriculture Program. Reproductive Physiology Wet Lab. Invited Speaker. 2001. College Station, TX.
76. National Pork Producers Council Staff Training. Pork Quality Assurance for Youth Program. Invited Speaker. 2000. Des Moines, IA.
77. National Pork Producers Council – Swine Educators Conference. Pork Quality Assurance for Youth. Invited Speaker. 2000. Des Moines, IA.
78. Southwest Pork Industry Conference. Female Reproductive Physiology Wet Lab. Conference Planning Committee and Invited Speaker. 2000. Guymon, OK.

On-Campus Presentations: 24

1. CELT Course Design Institute: Effective Assessments and Academic Integrity in Large Enrollment Courses. Invited. January 2021. Ames, IA

2. CELT Award Winning Faculty Series: *Top 10 Ways to Help Freshmen Learn in a Large Introductory Class*. Invited. September 2019. Ames, IA
3. ISU Ag Business Club. *Meet your Professor*. Invited Speaker. 2018. Ames, IA
4. ISU College of Design Curriculum Committee. *Peer Evaluation of Teaching*. Invited Speaker. 2015. Ames, IA
5. ISU Center for Excellence in Learning and Teaching Seminar Series: *Faculty Peer Review of Teaching: A Win-Win Process. #1: Overview of Peer Review Process*. Invited Speaker. 2015. Ames, IA
6. ISU Center for Excellence in Learning and Teaching Seminar Series: *Faculty Peer Review of Teaching: A Win-Win Process. #2: I Want to Be Evaluated or I've Been Asked to Be an Evaluator, Now What?* Invited Speaker. 2015. Ames, IA
7. ISU Center for Excellence in Learning and Teaching Seminar Series: *Faculty Peer Review of Teaching: A Win-Win Process. #3: Using Peer Evaluation of Teaching in the Promotion and Tenure Process and to Strengthen to Curriculum*. Invited Speaker. 2015. Ames, IA
8. ISU CELT Academic Portfolio Workshop for New Faculty Scholars: *Documenting your Impact*. Invited Speaker. 2013. Ames, IA
8. ISU CALS Advising Academy. *First year Task Force – Expectations*. Invited Speaker. 2013. Ames, IA
9. ISU Advisors Retreat. *Undergraduate Advising Panel*. Invited Speaker. 2013. Ames, IA
10. ISU CELT Workshop: *Interpreting and Applying the Information from your Class Climate Course Evaluations*. Invited Speaker. 2013. Ames, IA
11. ISU Ag Business Club. *Meet your Professor*. Invited Speaker. 2012. Ames, IA
12. ISU Science with Practice. *Getting Involved in your Professional Societies*. Invited Speaker. 2012. Ames, IA
13. ISU Dairy Science Club. *Meet your Professor*. Invited Speaker. 2011. Ames, IA
14. ISU Block and Bridle Club. *Meet your Professor*. Invited Speaker. 2011. Ames, IA
15. TAMU College of Veterinary Medicine Large Scale Food Production Tour. Invited Speaker. 2011. Amarillo and Dalhart, TX
16. TAMU College of Veterinary Medicine Theriogenology Club meeting. *Swine Reproductive Anatomy Wet Lab*. Invited Speaker. 2011. College Station, TX

17. TAMU College of Veterinary Medicine Theriogenology Club meeting. *Swine Reproductive Anatomy Wet Lab. Invited Speaker.* 2010. College Station, TX
18. TAMU College of Veterinary Medicine Large Scale Food Production Tour. Invited Speaker. 2009. Amarillo and Dalhart, TX
19. TAMU Gallery Talk. *Our Livestock Heritage.* Invited Speaker. 2008
20. TAMU College of Veterinary Medicine Large Scale Food Production Tour. Invited Speaker. 2008. Amarillo and Dalhart, TX
21. Animal Science Departmental Seminar. 2004. *The Changing Animal Agriculture Industry in the Texas Panhandle.* Invited Speaker. College Station, TX
22. Animal Science Retirees Meeting. *The Current Status of the Swine Industry and my Role as the State Specialist.* Invited Speaker. 1998. College Station, TX
23. Reproductive Biology Forum. *Effects of rpST on Fetal and Placental Development in Gilts.* Invited Speaker. 1998. College Station, TX

County/Multi-county/District/Regional Presentations: 91

Includes both adult and youth audiences. Topics Include:

- Opportunities in Agriculture
- Swine Reproductive Anatomy Wet Lab
- Show Pigs 101
- Overview of the Swine Industry
- H1N1 Update
- Market Hog Essentials
- Breeding Gilt Essentials
- Paylean Use in Show Pigs
- Daily Care of show Pigs
- Swine Handling
- Show Ring Ethics
- Pork Quality Assurance
- Management of Breeding Gilts and Sows
- Carcass Evaluation
- Factors Affecting Pork Quality
- Reproductive Management of Cows and Heifers
- Nutrition and Reproduction Interactions in Swine
- Artificial Insemination in Swine
- Evaluation of Sire Summaries
- The Value of a Pedigree

Statewide Presentations: 115

Includes both adult and youth audiences. Topics Include:

- Legislative Seminar: Issues Facing Food Animal Production
- Ag Advocacy and Basic Media Training
- Pork Quality Assurance – Youth
- Pork Quality Assurance - Adult
- Swine Reproductive Anatomy Wet Lab
- Show Pigs 101
- Career Opportunities in Animal Science
- Our Livestock Heritage
- Handling Pigs to Reduce Stress
- H1N1: What We Learned
- New Extension Specialist Orientation: Documenting Your Impact
- Live Animal Evaluation of Market Hogs
- Packer Demands for Market Animals – Junior Livestock Show Entries Meeting the Challenge
- Issues Facing the Show Pig Industry
- Genetic Factors Affecting Pork Quality
- An Overview of the U.S. and Texas Swine Industry
- Identifying and Meeting Challenges in Today's Animal Science Industry
- Biosecurity Issues and Procedures in the Swine Industry: What the Beef Industry Needs to Know
- Gestation and Farrowing Management
- Baby Pig Management
- Gilt Development
- Basics of Genetic Improvement
- Replacement Gilt Development for Efficient Reproduction

Course Guest Lectures: 89

Many recurring each semester. Topics include:

- AN S 441: Domestication of Livestock; Development of Breeds (3 semesters)
- AN S 110: Our Livestock Heritage (14 semesters)
Opportunities in Animal Science (3 semesters)
- AN S 501: The Department of Animal Science Undergraduate Teaching Program (10 semesters)
- ANSC 242: Beta Adrenergic Agonists (13 semesters; TAMU)
- ANSC 242: Paylean: Structure, Function and Use in the Commercial Swine and Show Pig Industries (13 semesters; TAMU)
- ANSC 412: Reproductive Physiology and Management of the Sow (11 semesters; TAMU)
- ANSC 437: An Overview of the Swine Industry (12 semesters; TAMU)
- ANSC 433: Female Reproductive Hormone Cascade (7 semesters; TAMU)

Editorial/Review Duties:

Pork Information Gateway 2003 – 2014
Journal of Animal Science 2002 – present
Reproduction Science Swine Science (Ensminger) 2008
National Pork Board Welfare Grant Proposals 2008 - 2010
Partners: Livestock in Western Civilization (Willham) 2010
Diseases of Swine – Special Considerations for Show and Pet Pigs Chapter
(Woods) 2010

Service, Memberships and Activities

National

National Conference on Race and Ethnicity; Attendee; 2019
North American Colleges and Teachers of Agriculture (NACTA) National Conference Planning Committee; Host institution: Iowa State University; 2018
North Carolina State University Department of Animal Science Undergraduate Program Review Team; 2017
America's Pig Farmers of Tomorrow Selection Committee; 2017; 2018
Berry College Department of Animal Science Undergraduate Review Team; 2016
America's Pig Farmer of the Year Finalist Selection Committee; 2015, 2016
Saddle and Sirloin Portrait Award; Banquet Emcee and Host; 2016
Show Announcer, World Pork Expo; 2011-2016
National Youth for the Quality Care of Animals Executive Committee; Chair: 2013-present
National Pork Board, National Swine Registry Crisis Management for Swine Shows Committee; Member: 2013
Teaching and Learning in the Animal Sciences Conference; Invited: 2012. Madison, WI
National Pork Board Producer Services Committee; Member: 2010-present
National Pork Board Extension Educators Strategic Planning Committee; Member: 2011-present
US Pork Center of Excellence Swine Science Online Course Instructor; 2009-present
US Pork Center of Excellence Swine Science Online Policy Committee; 2009 – present; Chair: 2009 - present
US Pork Center of Excellence Swine Science Online Steering Committee; 2007-2009
US Pork Center of Excellence Swine Science Online Curriculum Committee; 2007-present
University of Nebraska Department of Animal Science USDA-CSREES Review Team; 2006
National Junior Swine Association Scholarship Committee; Member: 2005-present
National Pork Board PQA Task Force; Member: 2004 -2007
National Pork Board Animal Welfare/ Fatigued Pig Task Force; Member: 2004
National Market Hog Task Force; Member: 2004
National Block and Bridle Club; Secretary/Treasurer: 2004-2008. Vice-President: 2008-2009. President: 2009-2011. Past President: 2011-present.
US Pork Center of Excellence Pork Information Gateway Domain Editor - Youth; 2003-2012
National Jr. Swine Association Advisory Board; Alternate: 2003-2005; Member: 2005-2012; 2014-present; Chair: 2016-present
National Pork Board Youth PQA Task Force; Member: 2002-present
National Junior Swine Association Summer Spectacular; Speech and Skillathon Judge: 2000-present
North American Colleges and Teachers of Agriculture; Member: 2000-present
National Pork Board Swine Educators Committee; 1998-present; Executive Comm. 2005-2012; Chair: 2006-2012

American Society of Animal Science; Member: 1993-present

National:

National Academic Quadrathlon Contest

Chair: 2012; Chair: 2013

Women and Minorities Issues Committee: 2002

Undergraduate/Graduate Teaching Committee: 2007-2010;

Vice-Chair: 2009; Chair: 2010

Undergraduate Teaching Committee: 2014-present

2015 ASAS Innovate Conference Committee: 2014-present

Midwest Section:

Undergraduate Competition Paper Committee: 2002-2004; 2012

Academic Quadrathlon Committee: 1996-1998

Undergraduate Current Issues Competition Comm.: 1997-2000

Chair: 2000

Southern Section:

Academic Quadrathlon Committee: 2001-2005; 2006-2008; 2011

Chair: 2005; Chair: 2008

National Pork Producers Council - Pork 101; Program Development Committee: 1998

State (Iowa)

Iowa State Fair 4-H Swine Show Superintendent; 2016 - present

Iowa foundation for Agriculture Advancement Scholarship Committee; Member: 2015 - present

Iowa Pork Producers Association Youth Committee; Member: 2013 - present

Iowa Pork Congress Youth Ambassador Program Committee; Member: 2013-present

Iowa State Fair 4-H Swine Show Announcer; 2011-2015

Wakonse Teaching Conference; Wakonse Fellow; May 2012

Iowa Cattlemen's Youth Beef Extravaganza; Judge: Dec. 2011

State (Texas)

Managing County Livestock Programs Task Force; Member: 2008-2009

San Antonio Livestock Exposition Leadership Extension Class; Graduate: 2004

Texas State 4-H Roundup Swine Skillathon Superintendent; 2004-2011

Texas Pork Producers Association Board of Directors; Ex-Officio Member: 1998-2011

Texas Pork Producers Association Transition Committee; Member: 2010-2011

National Junior Gelbvieh Association Junior Nationals Speech Contest (College Station, TX);

Judge: 2010

Texas Pork Leadership Tour; Co-Coordinator: 1998-2011

Texas Pork Producers Association Conference Committee; Member: 1998-2011; Co-Chair:

2007- 2011

Texas Pork Producers Association Awards Committee; Member: 1998-2011

University of Missouri Teaching Renewal Conference; March 1997

Wakonse Teaching Conference; Wakonse Fellow; Shelby, MI; May 1997

Iowa State University

ISU Center for Excellence in Learning and Teaching (CELT) Board of Directors; Member: 2012-2016; Vice Chair: 2014-2015; Chair: 2015-2016

ISU College of Agriculture and Life Sciences Transfer and Articulation Committee; Member: 2011-present

ISU College of Agriculture and Life Sciences First Year Taskforce - Expectations

Committee: Chair: 2013-2015
ISU College of Agriculture and Life Sciences Academic Affairs Committee; Member: 2013-present
ISU CELT Miller Faculty Fellows Selection Committee; Member, 2013 - 2016
ISU Department of Animal Science Mentor:
Dr. Cheryl Morris, Assistant Professor
Ms. Kelly Schulz, Lecturer
ISU Animal Science Faculty Advisory Committee; Member: 2011-present
ISU Animal Science Undergraduate Curriculum Committee; Ex-officio member: 2011-present
ISU Animal Science Recruitment and Retention Committee; Ex-officio member: 2011-present
ISU Animal Science Advisors Committee; Ex-officio member: 2011-present
ISU Animal Science Electronic Teaching Materials, Facilities and Equipment Committee;
Member: 2011-present
ISU Chuckwagon Breakfast Committee; Member: 2011-2013
ISU CALS Student Council Adviser; 2012-2013
ISU Block and Bridle Club Adviser; 2013-2014
Dog Show Adviser; 2012
National Convention Adviser; 2012-present
VEISHEA Food Stand Adviser; 2012
Little North American Adviser; 2012
National Convention Adviser and Host; 2013
Story County FSQA Training Adviser; 2013, 2014
Spring Market Hog Show/Cyclone Swine Spectacular; 2014
ISU Bacon Expo Adviser; 2013-present
ISU Animal Learning Day Adviser; 2015-present
ISU Animal Science Faculty Search Committees; n=6; 2011-present

Texas A&M University

Howard Hesby Atrium Design Committee; Member and Historical Chair: 2010-2011
Emergency Management Training; Incident Command courses through ICS 300; 2010
TAMU Aggie Honors Council (Academic Dishonesty); Member: 2009-2011
TAMU Animal Science Graduate Student Association Adviser; 2009-2011
TAMU Campus Arts Task Force; Member: 2009-2010
TAMU Animal Science Departmental Awards Committee; Member: 2003 - 2011; Chair:
2010- 2011
TAMU Animal Science Undergraduate Adviser; 2002-2006
TAMU Animal Science Curriculum Committee; Member: 2001-2011
TAMU Saddle and Sirloin Adviser; 1999-2009; 2010-2011
TAMU Animal Science Scholarship Committee; Member: 1999-2011
TAMU Animal Science Academic Quadrathlon Coordinator and Sponsor; 1999-2008; 2010-
2011
TAMU Animal Science Faculty Search Committees; n=7; 1999-2011

Local Service

Brazos County Youth Livestock Show Fair Board; 2008-2011
 Roland-Story CTE/Ag Advisory Board; 2013-present
 Story County Fair Board; 2013-present
 Story County Fair Swine Superintendent; 2017-present

Texas Major Stock Show Involvement

Assistant Superintendent or Superintendent for 4 major shows each year in Texas: State Fair of Texas (Dallas; 6 years), San Antonio Livestock Exposition (12 years), Houston Livestock Show and Rodeo (6 years), and Star of Texas Fair and Rodeo (Austin; 11 years). Contests include Market Barrows, Breeding Gilts, and Swine Skillathon. Also charged with enhancing swine welfare and handling. Improvements in this area include: development and design of loading facilities to allow rest, rehydration, and improved handling, education of exhibitors, volunteers, truckers, parents, ag science teachers and county extension agents on proper care and handling prior to and during show, increased communication with packers to maintain markets, and development of secondary markets. Behavioral changes in virtually every group involved have been documented. Skillathon developed with San Antonio Livestock Exposition has increased scholarships from a single \$1000 scholarship to two \$10,000 scholarships for winners.

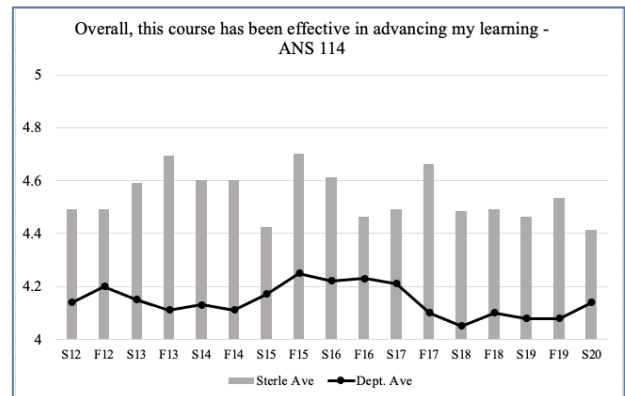
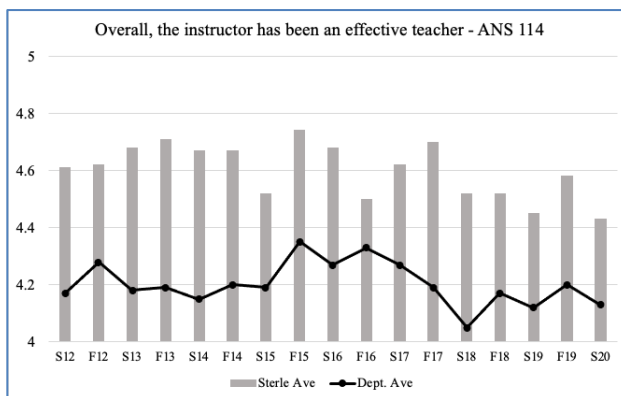
Student Course Evaluation Data

*New survey questions for Fall 2020 due to COVID response. Figures forthcoming with additional semesters.

AN S 114: Survey of the Animal Industry (2 cr.)

19 semesters (Spring 2012 – present; both Spring and Fall)

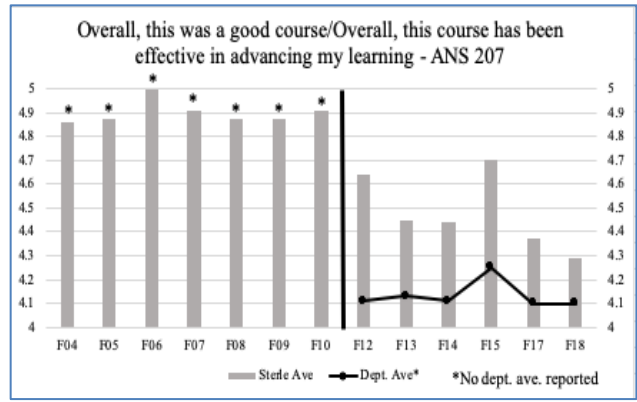
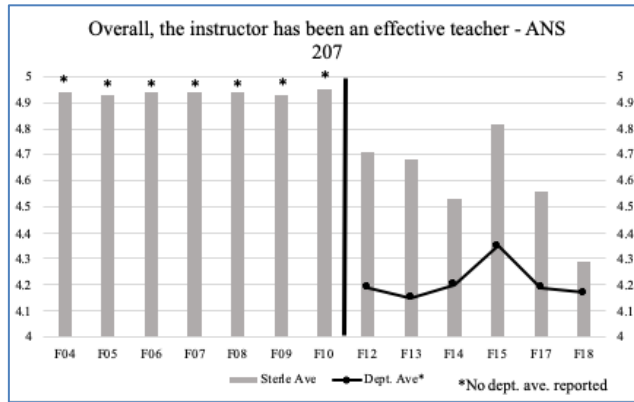
Total # students enrolled: 4,085



AN S 207: The Art and Heritage of Livestock (3 cr.)

14 semesters (Fall 2004 – present; Fall only)

Total # students enrolled: 1,426



AN S 211: Issues Facing Animal Science

8 semesters (Fall 2013 – present; Fall and Spring semesters)

Total # students enrolled: 1,461

