

KRISTINA M. HINEY, Ph.D.
Equine Extension (80% Extension, 20% Teaching)

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EDUCATION:

May 2003, G.P.A. - 3.9/4.0. - **Michigan State University**

- Ph.D., Animal Science, equine exercise physiology and nutrition emphasis
- Dissertation: *Effects of short term, high intensity exercise on bone quality in the immature animal*. Mentor Dr. Brian Nielsen

May 1999, G.P.A. - 4.0/4.0. - **Texas A&M University**

- M.S., Animal Science, equine exercise physiology and nutrition emphasis
- Thesis: *Effects of forced exercise prior to race training on bone development of two-year-old racehorses*. Mentor Dr. Gary Potter

January 1995, G.P.A. - 5.0/5.0. - **University of Illinois, Urbana/Champaign**

- B.S., Animal Science

CAREER HISTORY:

Current Assignment: Oklahoma State University, Stillwater, OK

- Assistant Professor – 2014 to present
- Equine Extension Specialist (80% extension, 20% teaching)

University of Wisconsin – River Falls, River Falls, WI

- Professor - 2013
- Associate Professor, Department of Animal and Food Science - 2008 – 2012
- Assistant Professor – 2003-2008
- Academic Staff – 2002-2003

Michigan State University, East Lansing, MI

- Research Assistant: August 1999 – May 2002
- Teaching Assistant January 2000 – December 2001

Texas A&M University, College Station, TX

- Research Assistant: June 1996-May 1999
- Teaching Assistant: August 1996 – May 1999

University of Illinois, Champaign/Urbana, IL

- Laboratory Assistant: January 1991 – May 1995

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:

Equine Science Society

- Committee for Undergraduate Research Competition, 2007
- Evaluator for Graduate Student Exercise Physiology paper competition, 2007
- Evaluator for Graduate Student Exercise Physiology paper competition, 2011
- Reviewer for Exercise Physiology abstract submissions, 2013
- Reviewer for Exercise Physiology abstract submissions and judge for production and management graduate student competition, 2015
- Chair, Exercise Science section, 2016-2017

Extension Disaster Education Network

- Chair, Agriculture and Natural Resources Committee, 2019-2020
- Vice chair, Agriculture and Natural Resources Committee, 2017-2019
- Member, Exercise Committee

Extension Horses, INC

- Vice Chair, 2017-2019

American Youth Horse Council

- Assist with local program coordination for 2018 Annual conference

American Paint Horse Association

American Quarter Horse Association

National Reining Horse Association 2001-2011

- Approved judge 2004
- Member of Animal Welfare Committee, 2010

EXTENSION:

Direct Delivery Activities: Individual or Led Projects

- Web and Social Media
 - Facebook: OSU Horse page - January 1, 2019- August 31 2019
 - 1700 likes
 - 1730 followers
 - 116,350 page reaches
 - Website: www.osuhorse.com - Created 2015
 - Repository for information on workshops, camps, clinics, rulebooks, instructional materials

- Data reported from February 2018-August 2019
 - Total users - 7873
 - Sessions - 8550
 - New users - 4888
 - Page views - 24733
- YouTube: OSU Horse - Created December 13, 2018
 - Instructional videos, webinars, interviews
 - 29 videos posted; 1300 views
- Podcasts: Host, Producer “Tack Box Talks: Horse Stories with a Purpose”. An outreach endeavor from Extension Horses, Inc.
 - Polysaccharide Storage Myopathy: The Story of Virginia and Flea
 - Pastures across the US: The story of New Jersey, Florida, Arizona and Minnesota
 - Thin Horses: The story of Pinky and Ozzie
 - Ulcers: The Story of Pippa and Pinky
 - Horse Show Moms: Shared Stories of Kathy, Ashley, and Krishona.
 - Trailer Woes: The Stories of Lola, Pepper, Peaches and Twist
- Webinars: Creator, Webinar Wednesdays, Created November 2018

Monthly webinar series for Oklahoma horse owners; webinars are hosted on Zoom, recorded and loaded to the OSU Horse YouTube channel, distributed through electronic Equine News

 1. November- Changes to the 2019 Oklahoma 4-H Horse Show rulebook
 2. December – Preparing for Spring Youth Horse Contests
 3. January – Winter Horse Care
 4. February – Internal Parasites and their Management – Dr. Justin Talley
 5. March – Breeding Soundness Exams for Mares – Dr. Candace Lyman
 6. April – End of Life Decisions
 7. May – Updates to State 4-H Horse Show
 8. June – Research Updates from the Equine Science Symposium
 9. July – Sportsmanship in Equine Events – Dr. Karen Waite
 10. August – Arthritis in Horses – Dr. Megan Williams
 11. September – More Updates on the Oklahoma State 4-H Horse Show
 12. October – Starting a Youth Horse Judging Team – Dr. Kathy Anderson
 13. November – Muscle Disorders
 14. December – Nutritional Management of Obesity and EMS
- Conferences Coordinated
 - Horse Owner’s Workshop: <http://osuhorse.okstate.edu/upcoming-events>
 - Procure speakers, develop promotional materials, marketing, event organization
 - Presentations:
 - Forage Quality Assessment,
 - Equine Physical Exams
 - Stress Management in the Equine
 - Selecting the Correct Feed
- Director, Youth programming

- Oklahoma
 - Horse Science Academy, created in 2015
 - STEM workshop for youth in Oklahoma
 - Anthelmintic resistance, health assessment, forage sampling and ration evaluation, 2015
 - Equine anatomy, fitness assessment, ration selection, 2016
 - Wound healing, behavior, experimental design, 2017
 - Equine Anatomy, limb dissection, 2018
 - Equine Education Extravaganza, created in 2017
 - Three-day educational camp focused on horse judging and hippology
 - 132 youth from 5 states. 2017-2019
 - Oklahoma 4-H State Horse Show
 - Secure judges, contract facilities, manage volunteers and show staff, process entries, update rulebook, procure awards, set show schedule
 - Implemented extensive fund raising campaign to solicit funds for increased costs of show. Created sponsorship program garnering \$35,950 from industry support from 2016-2019. Created a schedule to allow for simultaneous arenas, added two cattle classes, and featured state show social event.
 - 2015 – Created Ranch Horse Division which added four new classes to the rulebook: Ranch Riding, Ranch Trail, Ranch Roping, and Boxing. Worked with educators to create rules and guidelines designed to meet the unique needs and interests of Oklahoma youth.
 - State 4-H Horse Advisory Council
 - Host biannual meetings, create agendas, lead discussions in program review and innovation, provide guidance and support for local programming
 - Oklahoma 4-H Horse Communication contest
 - Create contestant schedules, procure judges and awards, develop resource materials and questions for quiz bowl and team problem solving
 - Added a digital photography contest 2015
 - Oklahoma 4-H and FFA horse judging contest
 - Procure horses and riders, reasons takers, and awards
 - Manage entries and conduct event
 - Oklahoma Youth Horse Judging clinic, 2015-2016
 - Procure horses and riders, instructors for reasons assistance, prepare judging resources for instruction
 - Presenter, Scoring Trail (2015), Scoring Reining (2016)
 - Ranch Roping and Boxing clinic
 - Procure national level clinicians Todd Crawford and Russel Dilday, cattle and equipment, clinician for reined work, 2016-2019

- Success in the Show Pen- Ranch Horse Division
 - Hosted clinic to introduce the four new ranch horse classes to youth, volunteers and educators
- Wisconsin
 - Falcon Horsemanship Academy, WI – 2013 -2014
 - Director and instructor for youth camp designed for students ages 7 to 18. Ensured a safe yet fun learning atmosphere for teaching horsemanship skills both on and off the horse
 - Co-creator of web-site used in advertising the camp <http://falconyouthhorsemanshipacademy.wordpress.com/>
 - Author of a youth manual for distribution to campers
 - UW-RF Youth Horse Judging Camp, WI 2004 -2013
 - Created a youth judging camp to instruct youth teams in the objective criteria for evaluating horses and the organization and presentation of oral reasons.
 - Author of 75 page manual on horse judging

Direct Delivery Activities: Partnership Role

- HorseQuest; a community of practice through eXtension, renamed Extension Horses Inc in 2017
 - Elected Vice Chair in 2018
 - Social media outreach 2018: 9,800 Facebook likes, 13,000 YouTube subscribers, 7.65 million video views, 386,000 minutes watched/month; 132,000 average engagement/week
 - Reviewer, Horse Learning Lessons – Effective Horse Training and Rider Development, Understanding Bits for Horses;
 - Contributor – MAAA Grant: Introduction to Horse Management: Conformation and Selection; Equine Nutrition I and II
 - Developer – Equine Nutrition on-line course for Bluebonnet feeds
 - Lead – Equine Disaster Preparedness: An Equine Community Response, Innovation Corp Project
- Horse Science Institute, WI – 2003-2007
 - Lecturer and riding instructor for Adult Horse Institute. English riding instructor for beginning riders and lecturer for riding instructor’s classes
- Horse Institute Youth Camps 2002-2006
 - Instructor for three weeks of youth camps including topics on English and western horsemanship, showmanship, horse nutrition, trailering, bits and bridles, body condition scoring, show grooming and various additional topics.

Extension Education Presentations

- International
 - Clinician, Instructor for AQHA International Horsemanship grants 2008, 2009, 2010, 2011, 2012, 2014, 2016, 2017 - Successfully applied for grants (\$107,500) through AQHA to travel with three undergraduate students to Europe in order to teach Western Horsemanship and promote the American Quarter Horse. Fifteen different students have traveled with me to Germany, the Netherlands, Norway, Sweden, Denmark, Switzerland, Italy, Austria, Slovenia, Ireland, England and the Czech Republic to teach western horsemanship camps.

- National
 - Chair of “ICS in Extension” Table Exercise; Plenary session of the 2019 EDEN annual Meeting, Spokane WA. September 19,2019
 - Greene, E.A. and **K. Hiney**. 2019. “*Biosecurity in Agriculture*”. 2019 Annual New England Agriculture Teachers Summer Conference. Stockbridge, MA. June 23-26, 2019. Invited.
 - Greene, E.A. and **K. Hiney**. 2019. “*SCRUB: Science Creates Real Understanding of Biosecurity (Hands on Lab)*”. 2019 MAVA Connecting for Success Conference. Marlboro, MA June 26-27,2019.
 - Waite, K., **K. Hiney**, and E.A. Greene. 2019. “*Hands On Podcasting for Equine Teaching and Extension*”. Workshop. 2019 Equine Science Symposium. Asheville, NC. June 3-6, 2019.
 - “Public Perception and Show Horse Welfare.” Equine Management Course at the University of Nebraska. 8/22/2018.
 - “Equine Nutrition” American Youth Horse Council Symposium in Oklahoma City, OK. 4/19/2018
 - “Horse Science Academy” American Youth Horse Council Symposium in Oklahoma City, OK. 4/19/2018.
 - Anderson, K.P., C. Skelly, **K Hiney**. “Extending Extension” North Central Region Cropping Academy Innovative Extension Delivery Systems Session. 8/12/2017.
 - “Public Perception and Show Horse Welfare” Equine Management Course at the University of Nebraska. 8/21/2017.
 - “Public Perception and Show Horse Welfare ” Arabian Horse Association annual conference in Tulsa, OK. 11/17/2016.
 - “Bone metabolism in the equine athlete” Conference on Equine Nutrition Research in College Station, TX. 5/23/2004.

- Regional
 - Southern*
 - “Identifying and Reducing Stress in Our Equine Partners” PATH International, Region 8 Conference, in El Reno OK.. 8/4/2018.
 - “Feeding for Health: Keeping our Partners Well” PATH International, Region 8 Conference, in El Reno OK 8/4/2018
 - Show Horse Welfare: What does the Public See? Red River Equine Summit. 2017. Denton, TX.

Northern

- “So You Have a Horse. Now What?” at the MN Horse Owner’s Workshop in MN. 2/12/2009 “Enhancing Youth Education” Key note address. at the MN 4-H Horse Leader’s Conference in MN. 1/2007
 - “HR 503: Is it your concern?” At the MN 4-H Leader’s Conference in MN. 1/2007
 - Bone and Activity” at the MN 4-H Leader’s Conference in MN. 1/2007
 - “*Bone metabolism in the equine athlete*” Cargill Animal Nutrition Innovation Center, in Elk River, MN. 9/2006
 - Basic Equine Nutrition, Dakota Co. Mounted Patrol, MN 2006,2007
 - Washington Co. 4-H camp reining demonstration, MN 2005, 2006, 2007
 - Reining clinic in Ellsworth, IA, 2010
 - Horse judging seminar for Minnesota Agriculture and Food Science Academy
- In-Service Training Presentations (1 national, 10 state 2 regional)
 - Big 3 Field Days, **KM Hiney**, E. Greene, and B. Kirkland. Introduction to SCRUB: July 16, 17, 18
 - SE District, Large Animal Handling and Welfare for Law Enforcement: Reaching out to a new audience. May 2018
 - 4-H FCS, Hippology: New learning opportunities for youth. April 2018
 - Coffee Talk, Oklahoma Extension webinars 2016-2018
 - Considerations for Fall
 - Muscle Disorders in Horses
 - Caring for Aging Horses
 - Horse Owners Workshop, workshop on equine management. March 2017- 2019
 - Southern Section of Animal Science, webinar on Digestive Health in the Equine, October 2016
 - Biannual Extension conference, Internal Parasite Detection in the Equine, Stillwater, OK, 2015
 - NE district, Equine Gut Health, Sand Springs, OK, 2015
 - 4-H/FCS, Teaching Equine Safety to Youth of Various Ages, Stillwater, OK, 2015
 - SE District, Using the On-line Equine NRC Ration Program, Tishomingo, OK, 2014
 - Other certification trainings
 - Creator: Equine and Livestock Behavior and Handling for Law Enforcement. Council of Law Enforcement Education and Training: 8 hour course offered in Pittsburgh, Noble, Pawnee, Major, Logan and Payne counties.
 - State Producer Presentations
 - Equine Short Course, Rogers County, 2016: Six week educational program to assist local equine owners, included presentations on equine digestive health, facility design, equine health assessment and equine behavior.
 - Pat Parelli Horsemanship clinic: Hosted internationally renowned horse trainer Pat Parelli at Totusek arena; 150 attendees
 - Feeding for Health. Women in Ag and Small Business conference, 8/9/2018 Oklahoma City, OK.
 - Equine body condition scoring. Beef Cattle Conference. 2018 Stillwater, OK
 - Forage Quality Assessment, Horse Owners Workshop, 2015 Stillwater OK
 - 2016 Equine Health Assessment, Horse Owner’s Workshop, Stillwater, OK
 - 2017 Feed Selection, Horse Owner’s Workshop, Stillwater, OK

- Stress Management in Horses, Horse Owner’s Workshop, 2019 Stillwater, OK
- Internal Parasite Biology and Anthelmintic Resistance, Texas Co. 2016
- Internal Parasite Biology and Anthelmintic Resistance, Cimarron Co. 2016
- Internal Parasite Detection, 2016, Beaver Co.
- “Equine Safety”, Kay County Horse Social, Blackwell OK, 2015
- “Feeding for Digestive Health” Equine Owner’s Short Course Rogers County, October 2016
- “Facility Design” Equine Owner’s Short Course, November 2016
- Pasture Management for Small Acreage Kay County, November 2016
- Equine Health Assessment and Equine Behavior, November 2016

Youth Focus

- 4-H Round Up 2017 – Disaster Preparedness for Large Animals
 - 4-H Round Up 2015– Equine Physical Exams
 - 4-H Family Horse Camp 2015– Helmet Awareness, Kenton, OK
 - 4-H Family Horse Camp 2015 –What’s in your bag: First aid for trail riding, Kenton OK
 - 4-H Family Horse Camp, 2016 Equine health assessment, Caddo, OK 2016
- Youth Horsemanship Clinics
 - Horsemanship clinics: Kay, and Canadian County 2018
 - Horsemanship clinic, Creek County, 2017 -2019
 - Reining clinic, Logan County, 2016
 - Horsemanship clinic Custer County 2015-2019
 - Reining clinic, Stillwater OK 2016

- Wisconsin

Adult

- “Anthelmintic Resistance” for the WI Adult Horse Leader’s Conference, in River Falls, WI. 11/11/2012
- “*Mineral Nutrition*” at the WI Adult Horse Leader’s Conference in River Falls, WI. 11/14/2010
- “Fun With Feed Math” at the WI Adult Horse Leader’s Conference in River Falls, WI. 11/14/2008
- “Neonatal Foal Care” at the WI Adult Horse Leader’s Conference. November 11, 2006.
- “What’s new in bone? It’s not just minerals anymore” at the Adult Horse Leader’s Conference in River Falls, WI. 11/14/2004
- “Protecting our rights as horse owners, everyone’s responsibility” Key note address at the Adult Horse Leader’s Conference in Oshkosh, WI. 11/15/2003
- “Learning styles in the riding program” at the Adult Horse Leader’s Conference in Oshkosh, WI. 11/15/2003
- “Practical horse nutrition” at the Horseman’s Association Horse Fair in River Falls, WI. 2/10/2003.
- “Fitness for the 4-H horse” at the Adult Horse Leader’s Conference in River Falls, WI. 11/10/2002
- Reining Fundamentals, Eau Claire WI 2006,2007
- Horsemanship, Bayfield Co, WI 2005,2006

Youth

- St. Vincent High School, WI - Horse nutrition, health exams and handling in order to increase inner city high school students exposure to agriculture 2007, 2008, 2011, 2012
- Horse Judging seminar for various 4-H and FFA groups, WI 2005-2013
- 4-H judging clinic, St. Croix Co. WI
- Horsemanship in Chippewa Falls, WI 2005, 2006, 2007
- Horsemanship for Bayfield Co. 4-H, WI 2005, 2006

- Industry Service
 - Tulsa State Fair 4-H/FFA and Open Horse show, assistant
 - Attend planning and wrap up meetings, assist at horse show, assist with youth judging contest
 - Southern Regional Horse Show
 - Participate in conference calls concerning planning activities
 - American Quarter Horse Youth Association judging contest
 - Assist with reasons room coordination
 - American Quarter Horse Association collegiate world judging contest
 - Assisted with reasons room coordination
 - Oklahoma Quarter Horse Association Western Heritage Day for the
 - Oklahoma School for the Blind
 - Equestrian Special Olympics, Stillwater, OK
 - Assist with health checks, awards presentations, securing of volunteer resources

Extension Publications

New Fact Sheets

- ANSI 3930 – Water: The most important nutrient.
- ANSI 3931- Optimizing water intake.
- ANSI 3932 – Common Internal Parasites of the Horse
- VTMD 3976 – Control of Common Parasites of the Horse
- ANSI 3989 - Caring for the Older Horse.
- ANSI 3934 - Minerals for Horses: Calcium and Phosphorus.
- ANSI 3935 – Stallion Behavior and Management

Revised Fact Sheets

- CR-3969-The Effects of Adding Grain and Supplements to Commercially Available Grain Mixes for Horses
- CR-3987 – Changes to Horse Industry Trends, 2014, 2018
- Lit. No. 599 Horse Quiz Bowl Parents’ and Leaders’ Guide
- 4H-ANSI-402 Rules for Oklahoma 4-H District and State Qualification Horse Shows 2015, 2016, 2017
- ANSI 3915 – Training Horses Safely
- ANSI 3916- Recordkeeping for Horse Breeding Activity.
- ANSI 3923 – Use of By-Product and Nontraditional Feeds for Horses
- ANSI 3928 –Evaluating Rations for Horses
- ANSI 3970 – Nutritional Concerns for Exercising Horses
- ANSI 3973 – Feeding Management of the Equine

- ANSI 3977 - Managing Young Horses for Sound Growth
- ANSI 3978. Weaning and Management of Weanling Horses.
- AFS 3975 – Nutritional Considerations of Broodmares
- ANSI 3974- Reproductive Management of the Mare.

Popular Press/Electronic Media/Video

Sun-Up TV

- West Nile Virus in Horses 8/10/2019
- Evaluating Hay Quality 6/20/2019
- First Responders and Livestock 4/27/2019
- The Right Saddle Pad for Your Horse 3/2/2019
- Basics of Tack Fit 2/23/2019
- Preparing Horses for Spring 2/2/2019
- Winter Care for Horses 12/18/2018
- Preparing for Foaling Season 4/29/2017
- Snakes and Horses 6/18/2016
- Horses Response to Heat 7/25/2015
- Horse Breeding and Foaling: 1/31/2015

Infographics

- Optimizing Water Intake
- Caring for the Older Horse
- Biosecurity for Horses

Internet videos and articles

- Equine Respiratory Wellness
 - https://ostate.tv/media/Equine+Respiratory+Wellness/1_f29dbra6/87553221
- Tips for Loading your Horse
 - https://ostate.tv/media/Tips+for+Loading+Your+Horse/1_07w8vdpx/87553221
- Too Hot to Trot, September 21, 2016; script and video
 - <http://cvhs.okstate.edu/news/it-too-hot-trot>
 - <https://www.ostate.tv/topics/animal-health-sciences?play=KYYNMWT9FwKICUM1TeJunL7rhbosz94f>
- Biosecurity for Horses, June 17, 2016
 - <http://cvhs.okstate.edu/news/biosecurity-horses>
 - <https://www.ostate.tv/topics/animal-health-sciences?play=0KyOnXBcsUeyLr7EkVxpGtbsceQcchTh>

Popular Press/Print Media

- Bi-monthly contribution to Oklahoma Horses magazine, distributed state wide.
 1. Horse Sense. March/April 2018.
 2. Before and After the Storm: Disaster Preparedness for Horse Owners. May/June 2018
 3. Equine Heat Stress. July/August 2018
 4. Don't Sweat It: Identifying and Managing Equine Stressors. September/October 2018.
 5. Carbs and Horse Disease: Understanding Carbohydrates. November/December 2018.
 6. Winter Horse Care. January/February 2019

7. Spring Fitness. March/April 2019
8. Biosecurity for Horses. May/June 2019
9. Fly Control. Oklahoma Horses Magazine July/August 2019
10. Forages for Horses Magazine September/October 2019

- Interview - Kentucky Derby Facts. <https://wallethub.com/blog/kentucky-derby-facts/20836/#>
- Interview – Horse Sense – October 2019 “A halter is only as good as the horse”
- Newsletters
 - Equine News
 - A digital monthly newsletter featuring instructional videos, research updates, and upcoming events for adults, youth and continuing education. Distribution began in May 2019, current subscribers 147
 - 4-H Horse Project
 - A digital newsletter featuring instructional videos, webinars, 4- Horse project news and updates on coming events. Distribution began in May 2019, 923 subscribers
 - Equine Health Newsletter
 - A collaboration between Animal Science and the Center for Veterinary Health Sciences, Monthly e-newsletter sent out to horse owners across Oklahoma, Distribution began in August 2015 and concluded December 2018. The following are articles I authored. <http://osuhorse.okstate.edu/equine-news>
 1. August 2015 – Digestive Aids in Horses
 2. September 2015– Microbial Population in the Gut
 3. October- 2015 Prebiotics in Horses
 4. November – 2015 Prebiotics: Part II
 5. December – 2015 12 Days of Christmas
 6. January 2016 – Preserving Pastures During Mud Season
 7. March 2016- Nutrition and Performance
 8. April 2016- Equine Energy Requirements
 9. May 2016 – Salt in the Summer
 10. June 2016 – Choosing your Salt
 11. July 2016 – How to Beat the Heat
 12. August 2016 – Heat Activity Awareness
 13. September 2016 - Horse Flies
 14. November 2016- Nutritional Considerations for Fall
 15. November 2015 - Figuring Your Forage Needs
 16. January 2017 – Keeping Horses Hydrated in Winter.
 17. February 2017. Stallion Behavior: Reluctant Stallions.
 18. April 2017 – Metabolic Syndrome, Stallion Behavior: Excitement.
 19. May 2017 – Angular Limb Deformities.
 20. August 2017 – Developmental Orthopedic Disease Prevention.
 21. September 2017 – Influence of Diet and Exercise on Developmental Orthopedic Disease
 22. December 2017 – Pasture and Horse Health
 23. January 2018 - Resolution: Get Fit!
 24. February 2018 – Resolution: Get Fit part 2
 25. April 2018 – Through the Horse’s Eye

- 26. May 2018 – Saying Whoa to Trailer Woes
- 27. September 2018 – Muscle Disorders
- 28. December 2018 – Muscle Disorders; Part 2

Online Course Development

- MAAA: Conformation and Horse Selection
- MAAA: Nutrition 1
- MAAA: Nutrition II
- Extension Horses: Bluebonnet Nutrition: Short Course for Feed Dealers

Manuals Created or Edited

- Oklahoma State and District 4-H Horse Show Rulebook: 2015,2016,2017,2018,2019
- Horse Science Academy: 2015, 2016, 2017, 2018

Funded grants and contracts

YEAR	FUNDING SOURCE	TITLE	AWARD	COLLABORATORS
2019	USDA/University of Vermont	Science Creates Real Understanding of Biosecurity (SCRUB) Activity Kit to Evaluate Biosecurity Learning Objects 4/1/2019 -10/31/2019	\$35,000	K.Hiney and E. Greene
2019	USDA-FADI, EDEN sub-award	Updating EDEN Animal Biosecurity Course	\$5000	K. Hiney
2018	USDA/University of Vermont	Science Creates Real Understanding of Biosecurity (SCRUB) Activity: creation. 10/1/2019 -3/31/2019	\$24,000	Betsy Greene, Kris Hiney
2018	American Holistic Veterinary Foundation	Clinical health markers, metabolites, inflammatory mediators and fecal microbiome in dogs fed raw meat based or commercial extruded kibble diets	\$26,915	Kris Hiney, Dianne McFarlane, Lara Sypniewski, Adel Pezeshki
2017	American Youth Horse Council	Horse Science Academy	\$873	Kris Hiney
2017	American Quarter Horse Association	International Horsemanship Camps	\$12,500	Kris Hiney
2016	American Quarter Horse Association	International Horsemanship Camps	\$12,500	Kris Hiney

Grants submitted, not funded

YEAR	FUNDING SOURCE	TITLE		COLLABORATORS
2019	Oklahoma Extension Empowering Communities: A Rapidly Deployable Disaster Communication and Education Network;	USDA- NIFA	\$73,781	Amy Hagerman, Kris Hiney, Barry Whitworth, Darrel Peel, Ruth Inman
2018	Youth CARE: Community Animal Response Effort,	USDA- NIFA	\$83,096	Kris Hiney, Betsy Greene, Quisto Settle
2018	Reducing Risks Related to Extreme Weather Events for Small-Scale Livestock Producers	North Central Extension Risk Management Education Center	\$20,000	C. Skelly, K. Anderson, *K. Hiney (collaborator)
2017	Youth CARE (Community Animal Response Effort): Engaging Youth in Disaster Education:	USDA-NIFA	\$100,271	Kris Hiney, Betsy Greene, Elaine Bailey
2017	Engaging Youth in Disaster Education: Active Learning and Resource Development for Disasters Involving Livestock and Horses	EDEN	\$15,200	Betsy Greene, Kris Hiney, Elaine Bailey, Kelsey Sajdera
2017	SCRUB: Science Creates Real Understanding of Biosecurity - A Youth Curriculum for Farm Safety	USDA-NIFA	\$291,339	Betsy Greene, Kris Hiney, Colleen Brady, Divya Jaroni
2017	Prevention of Agility Related Musculoskeletal Injuries	AKC Canine Health Foundation	\$14,815	Kris Hiney, Dianne McFarlane and Mike Schoonover

2017	Through the Public's Eyes: A Research Based Approach to Improving Equine Welfare	AQHA Research Foundation	\$37,077	Kris Hiney, Kathy Anderson, Karen Waite, Melissa Voigt, Colleen Brady
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RESEARCH

Refereed Journal Papers

12. Logan, A A ; Nielsen, B D ; Robison, C I ; Manfredi, JM ; Buskirk, D D ; Schott, H C ; **Hiney, K M.** 2019 Calves, as a model for juvenile horses, need only one sprint per week to experience increased bone strength *Journal of animal science*, 97(8):3300-3312.11.
11. Gadd, M., **Hiney, K.**, & Robinson, J. S. 2018. The technical skills that need to be included in a collegiate equine handling course according to equine industry experts. *NACTA Journal*. 62(4):346-352.
10. Voigt, M. A., Borron, A., Richardson, J., **Hiney, K.**, Waite, K., and Brady, C. Show horse welfare: Horse Show Competitors' Understanding, Awareness and Perceptions of Equine Welfare. 2016. *Journal of Applied Animal Welfare Science*. 19(4):335-352.
9. Voigt, M. A., Borron, A., Richardson, J., **Hiney, K.**, and Brady, C. Show horse welfare: Understanding stock-type show horse industry legitimacy. 2015. *J Agric Environ Ethics*. 28(4):647-666
8. Voigt, M. A., Borron, A., Croney, C., **Hiney, K.**, Waite, K., and Brady, C. Show horse welfare: The viewpoint of judges, stewards, and show managers. *Journal of Applied Animal Welfare Science*. 2016. 19(2);183-197.
7. **K.M. Hiney**, B.D. Nielsen, and D. Rosenstein. Short-duration exercise and confinement alters bone mineral content and shape in weanling horses. 2004. *J. Anim. Sci.* 82:2313-2320.
6. **K.M. Hiney**, B.D. Nielsen, D. Rosenstein, M.W. Orth, and B.P. Marks High-intensity exercise of short duration alters bovine bone density and shape. 2004. *J. Anim. Sci.* 82:1612-1620.
5. **Hiney, K.M.**, G.D. Potter, P.G. Gibbs, and S.M. Bloomfield. 2002. Does pre-conditioning improve bone quality in the juvenile racehorse? *Professional Animal Scientist*. 18:268.
4. **Hiney, K.M.**, G.D. Potter, S.M. Bloomfield, and P.G. Gibbs. 2000. Response of serum biochemical markers of bone metabolism to training in the juvenile racehorse. *Journal of Equine Veterinary Science*. 20(12):851-857.
3. **Hiney, K.M.**, and G.D. Potter. 1996. A review of recent research on nutrition and metabolism in the athletic horse. *Nutrition Research Reviews*. 9:149-173.
2. Aoyagi, S., **K.M. Hiney**, and D.H. Baker. 1995. Estimates of zinc and iron bioavailability in pork liver, and effect of pork liver gender on copper bioavailability in male and female chicks. *Journal of Animal Science*. 73 (3):793-798.
1. Aoyagi, S., **K.M. Hiney** and D.H. Baker. 1995. Copper Bioavailability in Pork Liver and in Various Animal By-products as Determined by Chick Bioassay. *Journal of Animal Science*. 73 (3):799-804.

Scientific Abstracts of Papers Presented at Scientific Meetings

1. **K.M. Hiney**, B. Kirkland, C. Webb and R. Clovis. 2019. Large Animal Welfare, Behavior and Handling: Extension Reaching New Audiences. Extension Disaster Education Network Annual Meetings, Spokane, WA.
2. J.L. Nichols, J.S. Robinson, **K.M. Hiney**, J.W. Ramsey and H. R. Terry. 2019 Equine veterinarians' educational needs in equine nutrition. Proceedings of the Equine Science Society. Asheville, NC
3. B. Kirkland and **KM Hiney**. 2019. Experience colors perception of equine affective states. Proceedings of the Equine Science Society. Asheville, NC.
4. M. Chapa, S. Cooper and **K.M. Hiney**. 2019. Effect of fiber and starch in concentrate feed on gastric ulcers in horses. Proceedings of the Equine Science Society. Asheville, NC
5. A. Logan, B. Nielsen, C. Robison, J. Manfredi, H. Schott, D. Buskirk and **K. Hiney**. 2019. Weekly sprinting of juvenile animals increases bone strength and size as well as bone formation marker concentration. Proceedings of the Equine Science Society. Asheville, NC.
6. Greene, E.A. and **K. Hiney**. 2019. *“Fun with a new Teaching Tool: SCRUB (Science Creates Real Understanding of Biosecurity) Kit.”* American Youth Horse Council 42nd Annual
7. Symposium. Moscow, ID. March 7-10, 2019.
8. A. Logan, B. Nielsen, C. Robison, **K. Hiney**, J. Manfredi, H. Schott, D. Buskirk 2018. Quantifying weekly exercise needed for skeletal strength. Council of Graduate Studies, Graduate Student Conference, East Lansing MI.
9. **Hiney, KM**, B. Greene, T. Naile and E. Bailey. 2017. *“Engaging Educating, and Involving Youth in Livestock/Equine Disaster Preparedness in Their Local Communities via National Collaborations in Program and Curricular Development”*. Extension Disaster Education Network Annual Meeting, Moline, Illinois, September 26-29.
10. Gadd, M. **K. Hiney**, and S. Robinson. Are we teaching what industry wants? 2017. Proceedings of the Equine Science Society, Minneapolis, MN.
11. **Hiney, K. M.**, Voigt, M., Raczkoski, B. M., Robinson, J. S. 2016. An evaluation of just-in-time teaching in equine science. 2016 Big 12 Teaching Conference, Kansas.
12. T.K. Taylor, S.R. Cooper, and **K.M. Hiney**. 2015. Assessing the effect of an equine training course on the knowledge and practical skill acquisition of incoming freshman. Proceedings of the Equine Science Society, St. Peters Beach, Florida.
13. M. Voigt, K. Waite, A. Borron, **K.Hiney**, and C. Brady. 2015. Exhibitors' perception of management, training, and competition effects on horse welfare. Proceedings of the Equine Science Society, St. Peters Beach, Florida.
14. M. Voigt, A. Barron, C Croney, **K. Hiney**, K Waite, C. Brady. 2013. Show horse welfare: the viewpoint of judges, stewards, and show managers. Proceedings of the International Society of Equitation Science, Delaware, MD
15. C.M. Bierke, R.H. Meinen, E. E. Wilkens, M.A. Laponiemi and **K. M.Hiney**. 2013 A comparison of negative and positive reinforcement in naïve horses. Proceedings of the International Society of Equitation Science, Delaware, MD.
16. **K.M. Hiney**. 2013. The effectiveness of a student directed group research experience in an undergraduate equine production course. Journal of Equine Veterinary Science. 33(5):395
17. C.M. Bierke, R.H. Meinen, E. E. Wilkens, M.A. Laponiemi and **K. M.Hiney**. 2013 A comparison of negative and positive reinforcement in naïve horses. Journal of Equine Veterinary Science. 33(5):397
18. N.K. Rucker and **K.M. Hiney**. 2013. Voluntary water intake in horses when fed a dry versus mash grain in two different seasons. Journal of Equine Veterinary Science. 33(5):355-356

20. R. Mottet, G. Onan, and **K. Hiney**. 2009. Revisiting the Henneke Body Condition Scoring System: 25 Years Later. *Journal of Equine Veterinary Science*. 29(5):417-418.
21. C. Mueller, **K. Hiney**, and G. Onan. 2009. Glycogen Depletion in the Reining Horse. *Journal of Equine Veterinary Science*. 29(5):480-482.
22. B.D. Nielsen, **K.M. Hiney**, K.E. Hoekstra, R.A. Bell, and G.D. Potter. Nutritional and Husbandry Management of Racehorses. 2004. Proceedings for the Conference on Equine Sports Medicine and Science meetings in September in Oslo, Norway
23. **Hiney, K.M.**, B.D. Nielsen, and D. Rosenstein. 2003. Measuring cortical width from a digitized radiographic image. Proceedings of Equine Nutrition and Physiology Symposium.
24. **Hiney, K.M.**, B.D. Nielsen, and D. Rosenstein. 2002. Influence of short term exercise on bone mineral content of stalled weanlings. Proceedings of American Society of Animal Science.
25. **Hiney, K.M.**, B.D. Nielsen, and A. Zanella. 2002. Relationship between activity and bone formation in immature animals. Proceedings of International Society of Applied Ethology.
26. **Hiney, K.M.**, B.D. Nielsen, and D. Rosenstein. 2002. Influence of short term exercise on bone mineral content of stalled weanlings – Proceedings of ANR Week, Animal Behavior and Welfare, MSU.
27. **Hiney, K.M.** B.D. Nielsen, B.P. Marks, and D. Rosenstein. 2001. Short duration, high intensity exercise alters bone density and shape. Proceedings of the Equine Nutrition and Physiology Symposium. P. 114-115.
28. **Hiney, K.M.**, and B.D. Nielsen. 2001. Using dairy calves to investigate the influence of short duration, high intensity exercise on bone density and shape. Proceedings of ANR Week, Animal Behavior and Welfare, MSU.
29. **Hiney, K.M.**, and B.D. Nielsen. 2000. Evaluation of a feed supplement in promoting hoof and hair quality - Proceedings of ANR Week, Animal Behavior and Welfare, MSU.
30. **K.M. Hiney**, K.H. Kline, S.R. Cooper, L.P. Frey, and C. Behrendt. 1995. Effects of feeding and fasting on plasma mineral levels in weanling horses on diets of differing dietary calcium. *Journal of Animal Science*. 73:184.
31. Aoyagi, S., **K.M. Hiney**, and D.H. Baker. 1994. Effects of iron status on copper bioavailability in chicks fed copper deficient diets. *Poultry Science* 114.

Other Projects

- Member, P3 Research Committee; Assessing the impact of a university wide therapy dog program: Pete's Pet Posse.
- Utilizing Delphi methodology in develop consensus in identifying and prioritizing learning objectives
- Development of a quantifiable methodology using free choice profiling in assessing animal behavior – AG-18-21
- Clinical health assessment, metabolomics and microbiome of dogs fed raw versus kibble diets.
- Understanding of performance parameters of contact performance in agility dogs.
- Oklahoma Wildfires: Examining Extension Partnerships in Large Animal Disaster Preparedness. AG-18-26

University of Wisconsin-River Falls, Animal Science Department-River Falls, WI

Principle Investigator

- Received product from Omega Fields to conduct a study on the effectiveness of a flax supplement to improve hoof quality.

- Received grant (\$22,000) from Cargill Animal Nutrition for the continuation of a testable model of glycogen depletion/repletion in the western performance horse performing multi-day events, 2008 - Directed 50 undergraduate students on data collection, exercise tests and feeding protocols
- Received grant (\$20,000) from Cargill Animal Nutrition to perform equine palatability assessment of commercial feeds, 2008-20010
- Received grant (\$19,000) from Cargill Animal Nutrition to develop a protocol for the assessment of glycogen depletion/repletion in the western performance horse, 2007
- Directed 25 undergraduate students in the proper techniques of feeding protocols for research trials, exercise protocols and standard exercise tests for nine horses
- Conducted sample and tissue collection including serial blood draws, muscle biopsies and basic TPR data on research animals
- Presented resultant data to Cargill research team, August 2008
- Received grant (\$5,000) from Cargill Animal Nutrition to determine the metabolic effects of a commercial fat added feed in exercising horses. 2010
- Submitted Invention Disclosure Report to WiSys to explore patent possibilities of research ideas
- Submitted grant (\$19,000) to Waltham-Buckeye Nutrition for The Effects of Lipoic Acid on Insulin Sensitivity in Exercising Horses, 2010. Not funded

Michigan State University, Animal Science Department – East Lansing, MI.

Research Assistant: August 1999 - May 2002.

- Performed sample and tissue collection for three separate studies including:
 - The effects of a nutritional supplement on hoof and hair quality.
 - Exercise effects on immature calves – analyzed serum bone markers, alterations in bone mineral density and geometry, mechanical testing on metacarpi, mineral, collagen and cross-links analysis, behavior observations.
 - Exercise effects on weanling horses – serum analysis, radiographic estimation of bone mineral content and bone size, behavior observations.
- Summarized, collated, and statistically analyzed resulting data.
- Prepared resulting data for publication and presentation at national meetings.

Texas A&M University, Animal Science Department - College Station, TX.

Research Assistant: June 1996 - May 1999.

- Developed and conducted field data collection for research interests.
- Started and trained 15 long yearlings for race training.
- Conducted literature searches to remain current on progress in related areas.

Texas A&M University, Animal Science Department - College Station, TX.

Research Assistant: June 1996 - May 1999.

- Performed laboratory analysis on samples including atomic absorption spectrophotometry, radio-immunoassays, and radiographic estimation of bone mineral content.
- Performed statistical analysis and interpretation.
- Supervised and trained 30 undergraduate students enrolled in **Special Problems – ANSC 485**. Instructed students in data and sample collection, horse handling, and basic science and theory of the ongoing study.

University of Illinois, Animal Sciences Department - Urbana/Champaign, IL.

January 1991 - May 1995.

- Laboratory assistant in non-ruminant nutrition laboratory, supervisor: Dr. D.H. Baker. Responsibilities included performing tissue collection, preparation and analysis involving proximate analysis, bomb calorimetry and atomic absorption spectrophotometry. Additional duties included animal care, feed mixing and routine laboratory maintenance.
- Student manager, Department of Animal Science Proximal Analysis laboratory. Responsibilities included reagent preparation, instruction of use of apparatus, and general laboratory and equipment maintenance.
- Presenter at 1995 American Society of Animal Science meetings, Orlando, FL. “Effects of feeding and fasting on plasma mineral levels in weanling horses on diets of differing dietary calcium”
- Presenter at 1994 National Poultry Science Association meetings, Starkville, MS. “Effects of iron status on copper bioavailability in chicks fed copper deficient diets”

TEACHING

Graduate Theses for which I Served as Major Advisor

- Brittani Kirkland, MS Candidate in Animal Science, Oklahoma State University. Thesis focus: Needs Assessment of Community Resources and Partnerships for Large Animal Disaster Response in Oklahoma.
- Morgan Gadd, MS, non-thesis. Candidate in Animal Sciences, Oklahoma State University. Project focus: Determining the desired learning objectives for an equine handling course: A Delphi method.

Ph.D. and M.S. Graduate Committee Service

- Member, Marissa Chapa, MS Candidate in Animal Science, Oklahoma State University. Thesis focus: Nutritional supplement for ulcer repair in equines.
- Member, Jyme Nichols, PhD Candidate in Agricultural Education, Oklahoma State University. Dissertation topic. Equine Nutrition: Opportunities in Continuing Education for Equine Veterinarians.
- Member, Alyssa Logan, MS Candidate in Animal Science, Michigan State University. Thesis focus: Frequency of Short Term Exercise on Bone Formation in the Immature Animal.
- Member, Raed Al-Zaher, MS Candidate in Political Science. Oklahoma State University. Thesis focus: Severe weather preparedness of households with companion animals in Stillwater, Oklahoma.
- Member, Sarah Schobert, MS Candidate in Animal Science, Oklahoma State University.
- Tabatha, Taylor, MS, Non –thesis option. Assessing the effect of an equine training course on the knowledge and practical skill acquisition of incoming freshman

Undergraduate Honors Projects, Internships, and Research Presentations

- Mandy Brace, Freshman Research Scholar. Identification and enumeration of stress behavior in therapy dogs used in a university setting.
- Mia Freeman, Freshman Research Scholar. Creation of an assessment tool for recognition of equine behavior patterns.
- Jessica Eastep, Honors Project. Efficacy of natural repellants on external parasites of horses.
- Alyssa Brashears, Honors Project. Does previous livestock experience color perceptions of equine emotion?

Oklahoma State University, Animal Science Department - Stillwater, OK

Assistant Professor: 2014-present

- Instructor for **Equine Training Methods** (ANSI 3202). Instruct students in equine ethology and learning theory in relationship to training and behavior modification. [44 students]

- Instructor for **Equine Behavior and Handling** (ANSI 4900). Instruct students in equine management techniques based on an understanding of equine behavior and anatomy. Topics include basic equine handling, and management principles related to care of the individual horse including, but not limited to hoof care, dental care, first aid and wound care. Includes an introduction to the behavior and training of the horse, and how the techniques of safe handling are based on the principles of equine behavior. *[45 students]*
- Instructor for **Pet and Companion Animal Management** (ANSI 3543). Instruct students in behavior and management of primarily dogs and cats, as well as other species of importance. *[93 students]*.

University of Wisconsin – River Falls, Animal Science Department – River Falls, WI.

Professor: August 2002 - 2014

- Instructor for **Principles of Animal Nutrition (ANSC 231)**. Instruct students in principles of nutrition presented on a comparative species basis including characteristics, physiological functions, interrelationships and deficiency symptoms as they pertain to carbohydrates, fats, proteins, mineral elements and vitamins. *[559 students]*
- Instructor for **Equine Management and Equitation (ANSC 167)**. Instruct students in proper techniques of equitation, and topics in basic horse management including correct and incorrect conformation, diseases, parasites, lameness and fundamental equine nutrition. *[524 students]*
- Instructor for **Equine Equitation laboratory (ANSC 168)**. Instruct students in proper techniques of huntseat equitation, including basic rider position, proper use of natural aids, creating an independent seat and hand, and riding over caveletti and small jumps. *[286 students]*
- Instructor for **Advanced Horse Production (ANSC 369)**. Instruct students in equine reproduction and management, exercise physiology, advanced concepts of equine nutrition, and fundamentals of basic herd health management. *[472 students]*
- Instructor for **Teaching Techniques of Riding (ANSC 348)**. Instruct students in principles and skills necessary for success as a riding instructor, including learning and teaching styles, effective communication skills, constructing effective lesson plans and safety and legal issues related to equine businesses. *[30 students]*.
- Instructor for **Equine Evaluation (ANSC 213)**. Instruct students in basic concepts of objectively evaluating horses based on their conformation and performance, developing oral communication skills and the ability to defend their judgments in an organized manner *[177 students]*.
- Instructor for **Advanced Equine Evaluation (ANSC 313)**. Instruct students in perfecting skills of equine evaluation based on current industry standards, refining oral communication skills, expose students to equine show industry on a broad scale and prepare students for intercollegiate competition at three major industry shows. *[61 students]*.
- Instructor for **Experiential Learning in Agriculture, Food and Environmental Science (AFES 492)**. Mentor students in the development of a solution to a real world problem. Students analyze a problem from the perspectives of their respective disciplines, gather data, consider alternative solutions, negotiate recommendations, and present their
- Instructor for **Experiential Learning in Agriculture, Food and Environmental Science (AFES 492) cont.** present solutions and recommendations to the business person who owns the problem. *[7 students]*.
- Instructor for **Advanced Nutrition (ANSC 433)**. Instruct students in the biochemical and physiological functions of nutrients in ruminants and monogastric animals, with emphasis on the interrelationships of tissues and organs in nutrient metabolism and physiological control. *[247 Students]*.

- Instructor for **Advanced Competitive Horsemanship (ANSC 389)**. Instruct students in correct horsemanship, including posture, poise, ring etiquette, and the ability to work harmoniously with unfamiliar horses [52 students].
- Instructor for **Competitive Horsemanship (ANSC 389)**. Instruct novice students in correct horsemanship, including posture, poise, ring etiquette, and the ability to work harmoniously with unfamiliar horses [30 students].
- Instructor for **Equine Reproductive Techniques (ANSC 455)**. Instruct students in practical application of reproductive theories, including estrus detection, semen collection and preparation, insemination, pre-parturient mare care and neonatal foal management [48 students].
- Instructor for **Senior seminar (ANSC 489)**. Mentored 15 students in preparing research paper and presentations.

Coaching

- Coach, Horse Judging Team 2002-2013
 - Two individuals in top ten in the Limited Division at Congress, one individual in top ten Sr. College Division at All American Quarter Horse Congress 2012
 - 4th NRHA Futurity 2011, high individual (Alie Leonhart)
 - Two individuals in top ten in Limited Division at Congress and World Show 2011
 - 3rd NRHA Futurity 2010, two individuals in the top ten
 - 3rd NRHA Futurity 2009, two individuals in the top ten
 - 2nd NRHA Futurity 2008, four individuals in the top ten
 - 6th Arabian National Championships, 5th high team in halter and oral reasons 2008
 - 3rd, NRBC judging contest, High Individual, 2008
 - 5th NRHA Futurity 2007
 - 9th NRHA Futurity 2006
 - 4th NRHA Futurity – 2005
 - 2nd NRBC judging contest – 2005
 - 4th High Jr. college team – Quarter Horse Congress -2004
 - 3rd NRHA Futurity – 2004
 - 5th High team overall, 2nd high team in performance, APHA Spring Sweepstakes -2004
 - 2nd NRHA Futurity – 2003
 - 5th High team – 2003 AQHA World Championship show
 - 5th NRHA Futurity – 2002

Course Development University of Wisconsin

- Coordinator, Course proposal for Animal Science 313, Advanced Equine Evaluation
 - Course approved in 2004
- Coordinator, Course proposal to increase Animal Science 369, Horse Production from 3 to 4 credits
- Created additional hands on laboratories and included discussion of equine exercise physiology in original course, therefore necessitating the addition of an additional hour of lecture.
 - Course proposal approved May 2005
- Coordinator, Course proposal for Animal Science 455, Equine Reproductive Techniques
 - Course approved by University curriculum committee in 2007

Michigan State University, Animal Science Department – East Lansing, MI.

Teaching Assistant: January 2000 - December 2001.

- Assistant for **Equine Exercise Physiology (ANS 445)**. Developed test questions, graded tests, evaluated student reports, conducted review sessions and individual help sessions, guest lecturer on skeletal adaptations to training, accompanied students on field trips to aid in evaluation of conformation. [30 students].
- Instructor for **Horsemanship ANS 240**. Instructed students in basic horsemanship skills, equine behavior and safety. [7 students].
- Coach for 2000 and 2001 **MSU Horse Judging Team**. Coached students in developing reasons and placing skills for competitions, organized live classes, planned travel itineraries, initiated and maintained relationships with local farms and trainers for workouts. Obtained outside sources of funding for traveling costs in the sum of \$6,200. Team highlights:
 - 2nd 2001 International Arabian Horse Show Association Nationals
 - 1st 2000 International Arabian Horse Show Association Nationals
 - 6th 2001 American Quarter Horse Congress.
 - 5th, 7th 2001, 2001 AQHA World Champion Intercollegiate Horse Judging
 - 6th 2000 NRHA Futurity judging contest
 - 4th 2002 National Western Stock Show and Rodeo

Texas A&M University, Animal Science Department - College Station, TX.

Teaching Assistant: August 1996 - May 1999.

- Instructor for laboratory section - **Equine Behavior and Training (ANSC 311)**
Responsible for lectures and instruction of students in proper handling, care and training of weanling horses. [45 students]
- Instructor for laboratory section - **Equestrian Technology – Advanced Forward Seat (ANSC 312)** Responsible for instruction of students in theory and mechanics of forward seat riding, evaluation of student abilities, and development of testing materials. [30 students]
- Assistant for **Performance Appraisal of Horses (ANSC 316)**
Responsible for procurement of suitable horses for student appraisal, objective scoring of student oral reasons, as well as development of classroom materials and tests. [150 students]
- Assistant coach for 1997 and 1998 **TAMU Horse Judging Team**
 - 1st 1998 AQHA World Champion Intercollegiate Horse Judging contest
 - 1st 1997 AQHA World Champion Intercollegiate Horse Judging contest
 - 3rd 1998 NRHA Futurity judging contest
 - 3rd 1997 NRHA Futurity judging contest
 - 1st 1997 Southwestern Intercollegiate Horse Judging contest

PROFESSIONAL SERVICE

Service to the University

Oklahoma State University

- Member, Academic Standards and Policies, 2016
- Pete's Pet Posse – 2015 – Present
- Department of Animal and Food Science
 - Member, Search and screen committee for Applied Animal Well-Being and Animal Behavior

University of Wisconsin

- Member, Faculty Senate 2007-2010, 2013-2014
- Elected Faculty Senate Secretary 2007, 2008, 2009
- Elected Academic Staff Liaison 2013, 2014
- Member, University Grievance Committee 2013
- Member, Faculty Compensation Committee, 2009-2010
- Member, ad hoc Committee on Constitutional Reform 2010
- Chair, External Relations Committee, 2012-2014
- Member, URSCA Task Force – CAFES representative 2012
- Member, URSCA initiative task force – 2012-2013
- Member, Program Prioritization and Program Audit and Review, URSCA task force representative – 2012
- College of Agriculture Food and Environmental Science - UWRF
 - Member, Undergraduate recruitment committee, 2003-2004
 - Chair, Faculty coordinator for Agriculture Technology Equine Judging Contest 2003-2012
 - Co-Coordinator, Created internship opportunity for students interested in marketing and communications in developing a web-site to promote the annual UW-RF Colt Sale
 - <http://www.uwrf.edu/animal-science/Colt%20Sale%20Web%20site/index.htm>
 - Member, Farm Advisory Committee, 2004-2007
 - Author of 2005 Equine Enterprise Plan
 - Member, Biotechnology Committee 2004-2005
 - Member, CAFES Strategic Planning Committee, 2006-2007
 - Member, CAFES Scholarship Committee, 2005-2011
 - Member, CAFES Curriculum Committee, 2011-2013
 - Creator, Equine Breeding Program, 2005-2013
 - Solicited 25 broodmares, 20 outside stallion services, and \$20,800 in external funding
 - Manage 12 broodmares, 3 stallions, all foals and yearlings, and provide breeding services to the public including shipped semen and on farm insemination
- Animal and Food Science Department - UWRF
 - Member, judge Academic Quadrathlon oral presentations 2003- 2011
 - Chair, Equine laboratory examination for Academic Quadrathlon 2004, 2006, 2011
 - Creator, UW-RF Equine Alumni Newsletter 2003-2005
 - Created data base of former equine students to establish a more solid connection with alumni. Annual newsletter includes stories on club activities, awards and recognition of equine teams, graduating student highlights and alumni updates.
 - Coordinator, Horse Judging Team Foundation Account 2003-2013
 - Raised over \$55,000 to fund team travel expenses since creating account in 2003.
 - Creator, UW-RF Competitive Equine Teams brochure
 - Created brochure describing IHSA and Rodeo Team to send to prospective equine students
 - Coordinator, Minnesota FFA Horse Judging Contest 2003-2013
 - Student Club Advisor
 - Horseman's Association 2002-2011
 - Companion Animal Respect and Education Club 2012-2014
 - Member, committee to create course proposal for Animal Welfare course to fulfill university ethical citizenship general education requirement
 - Member, task force to develop companion animal initiative

- Member, Search and Screen Committee 2006
- Member, Search and Screen Committee 2007
- Member, Search and Screen Committee 2008
- Member, Search and Screen Committee 2009
- Member, Search and Screen Committee 2010
- Chair, Search and Screen Committee 2011
- Member, Search and Screen Committee 2012
- Academic Advisor for undergraduate students
- Coach, IHSA Stock Seat Team 2002-2007
 - 2003 Reserve High Point Team – Region 9, Zone 3
 - 2004 High Point Team – Region 9, Zone 3
 - 2005 Regional High Point Rider

PROFESSIONAL DEVELOPMENT

- Articulate 360:Storyline, Extension Horses
- Impact Collaborative Toolkit, eXtension Foundation
- Disaster Preparedness, Animal Response, hosted by OKMRC
- Animal Behavior, University of Melbourne, Coursera
- Animal Behavior and Welfare, University of Edinburgh, Coursera
- Gut Check: Exploring your Microbiome, University of Colorado Boulder and the University of Colorado System, offered through Coursera
- Dognition: The Genius of Dogs, Duke University, Coursera
- Farm to Fork, CASNR, Oklahoma State University
- Chicken Behavior and Welfare, University of Edinburgh, Coursera
- Sustainable Food Production Through Livestock Health Management, Coursera
- National Incident Management System - ICS 100, 200, and 700, IS-10.A
- EDEN Animal agro-security, emergency management course
- FEMA VTTX's (2015 - Community Fair Incident; 2017 - Livestock Evacuation)
- Foreign Animal Disease Outbreak FMD table top exercise
- Agriculture Response Management and Resources (ARMAR) TTX Exercise in 2018.
- Live training exercises: Basic Animal Response training and the OK Disaster Animal Response Training.

COMMUNITY SERVICE AND OUTREACH

- Member, Pete's Pet Posse, <https://hr.okstate.edu/about-petes-pet-posse>
- Member, OK Medical Reserve Corp
- Member, Payne County Animal Response Team