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## CURRICULUM VITAE

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### LENA M. (COTTLE) LUCK, PH.D.

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 Department of Animal Science  
 University of Nebraska-Lincoln  
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## 1. EDUCATION, EMPLOYMENT HISTORY AND PROFESSIONAL SOCIETIES

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### 1.1 Education History

**Ph.D., Systems Agriculture**

West Texas A&M University, Canyon, TX 2011

**M.S., Animal Science**

West Texas A&M University, Canyon, TX 2008

**B.S., Agribusiness/Equine Business and Industry**

West Texas A&M University, Canyon, TX 2006

### 1.2 Employment History

**Associate Professor, Youth Equine Specialist**

Department of Animal Science, University of Nebraska-Lincoln,  
 Lincoln, NE. July 2020 – Present

**Appointment: 60% Teaching and 40% Extension**

**Assistant Professor, Youth Equine Specialist**

Department of Animal Science, University of Nebraska-Lincoln,  
 Lincoln, NE. Feb 2019 – July 2020

**Appointment: 60% Teaching and 40% Extension**

**Extension Youth Equine Specialist, Assistant Professor**

Department of Animal Science, University of Nebraska-Lincoln,  
 Lincoln, NE. Jan 2015 – Feb 2019

**Appointment: 74% Extension, 24% Teaching, and 2% Service**

**Extension Equine Specialist, Extension Assistant Professor**

Department of Animal Science, University of Nebraska-Lincoln,  
 Lincoln, NE. Jan 2012 – Jan 2015

**Appointment: 73% Extension, 25% Teaching, and 2% Service**

**Graduate Research Assistant/Assistant Equestrian Team Coach,**

Department of Agricultural, West Texas A&M University, Canyon,  
 Texas. Supervisor: Lance Baker. Jun 2006 – Dec 2011

### 1.3 Professional and Honorary Society Membership

- Equine Science Society (2007 – present)
- National Association of Equine Affiliated Academics (2013 – present)
- American Society of Animal Science (2012 – present)
- National Western 4-H Roundup (2013 – present)
- United States Equestrian Federation (1998 – present)

## 2. PUBLICATION RECORD

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(Subscript 1 indicates M.S. student under my supervision, Subscript 2 indicates Undergraduate student under my supervision)

### 2.1.1 Peer Reviewed Publications

1. McCarthy, E.<sub>1</sub>, **Luck, L.M.**, Karr, L.K., and Lingard, J. 2023. The Nebraska 4-H equine advancement level program's role in positive youth development using the five Cs model: An exploratory study. J. Extension. Submitted.
2. Speck, B.L.<sub>1</sub>, **Luck, L.M.**, Karr, L.K., and Golick, D.A., 2023. Students' Perception of Online Equine Courses and How It Affects Their Learning. NACTA Journal, 67(1).  
<https://doi.org/10.56103/nactaj.v67i1.148>
3. Splan, R.K., Porr, C.A., Biddle, A.S., **Luck, L.M.**, Cole, K. and Stowe, C.J. 2022. Perceptions of Teaching in Undergraduate Equine Programs During the COVID-19 Pandemic. NACTA J. (66), 253-263. <https://nactateachers.org/attachments/article/3258/31%20FINAL.pdf>
4. Karr, L.K., **Luck, L.M.**, D'Angelo, N. and Conner, N. 2018. Veterinary Science Career Development Event Online Study Guide Improves Student Performance. J. Extension. August 2018, vol. 56 (4). <https://joe.org/joe/2018august/tt9.php>
5. Thompson, C.J.<sub>1</sub>, **Luck, L.M.**, Keshwani, J., Pitla, S.K., Karr-Lilienthal, L.K. 2017. Location on the body of a wearable accelerometer affects accuracy of data for identifying equine gaits. J. Equine Vet. Sci. [http://www.j-evs.com/article/S0737-0806\(17\)30657-3/fulltext](http://www.j-evs.com/article/S0737-0806(17)30657-3/fulltext)
6. Pulec, K.E., Karr-Lilienthal, L.K., Anderson, K.P., Brink, D., and **Luck, L.M.**. 2016. Incorporating online interactive activities in animal science. NACTA J. 60 (1), 71-75.  
[https://nactateachers.org/attachments/article/2369/15%20%20Pulec\\_NACTA%20Journal.pdf](https://nactateachers.org/attachments/article/2369/15%20%20Pulec_NACTA%20Journal.pdf)
7. **Cottle, L.M.** and D'Angelo, N.<sub>2</sub> 2015. Online Leader Training Course: Nebraska Equine Extension Leader Certification. J. Extension. February 2015, vol. 53(1).  
<https://www.joe.org/joe/2015february/tt5.php>

### 2.1.2 Peer Reviewed Conference Proceedings Abstracts and Oral Presentations

1. McCarthy, E.<sub>1</sub>, **Luck, L.M.**, Karr, L.K. and Lingard, J. 2023. The Nebraska 4-H equine advancement level program's role in positive youth development using the five Cs model: An exploratory study. J. Equine Veterinary Science, Volume 124,104448,  
<https://doi.org/10.1016/j.jevs.2023.104448>
2. Splan, R.K., Porr, C.A., Biddle A.S., **Luck, L.M.**, Cole, K., and Stowe, C.J. 2022. Workshop:

- Developing a periodic census of US undergraduate equine programs. NAEAA Conference, May 2022.
3. Gibbens, B.L., **Luck, L.M.**, and Karr, L.K. 2022. Students' perception of teaching tools in online equine courses compared to traditional in-person courses. NAEAA Conference, May 2022.
  4. McCarthy, E. , **Luck, L.M.**, and Karr, L.K. 2022. The Nebraska 4-H equine advancement level program's role in positive youth develop using the five Cs model: An exploratory study. Canine Cognition and the Human bond. Nebraska Symposium on Motivation, vol. 69, April 2022.
  5. Splan, R.K., Porr, C.A., Biddle, A.S., **Luck, L.M.**, Cole, K. and Stowe, C.J. 2021. Perceptions of Teaching in Undergraduate Equine Programs During the COVID-19 Pandemic. NAEAA Virtual Conference.
  6. **Luck, L.** 2021. Adding an online lecture component to a traditional introduction riding course. NAEAA Virtual Conference.
  7. Anderson, K.P., **Luck, L.M.**, Karr-Lilienthal, L. 2017. Companion animal and equine open house provides interactive recruiting opportunity. vol. 52, pp. 123-124. Journal of Equine Veterinary Science. [http://www.j-evs.com/article/S0737-0806\(17\)30328-3/fulltext](http://www.j-evs.com/article/S0737-0806(17)30328-3/fulltext) Status: Published
  8. Thompson, C.J. , **Luck, L.M.**, Keshwani, J., Pitla, S.K. 2017. Effect of sensor placement on acceleration data to monitor equine activity. vol. 52, pp. 65. Journal of Equine Veterinary Science. [http://www.j-evs.com/article/S0737-0806\(17\)30188-0/fulltext](http://www.j-evs.com/article/S0737-0806(17)30188-0/fulltext) Status: Published
  9. Thompson, C.J. , **Luck, L.M.**, Karr-Lilienthal, L. 2017. Impact of horse program involvement on youth on development and life skills. vol. 52, pp. 123. Journal of Equine Veterinary Science. [http://www.j-evs.com/article/S0737-0806\(17\)30327-1/fulltext](http://www.j-evs.com/article/S0737-0806(17)30327-1/fulltext) Status: Published
  10. **Cottle, L.M.** and Karr-Lilienthal, L.K. 2015. Behavioral changes associated with participation in 4-H horse programs. J. Equine Vet. Sci. 35: 449.
  11. **Cottle, L.M.**, Anderson K.P., Karr-Lilienthal, L.K., and Pulec, K. 2015. Use of Soft Chalk technology in equine science classes to provide an interactive study tool. J. Equine Vet. Sci. 35: 450.
  12. **Cottle, L.M.**, Baker, L.A., DeOtte, R.E., Auvermann, Pipkin, J.L., Topliff, D.R., and Blaser B. 2013. Composting carcass tissue in controlled composting columns. J. Equine Vet. Sci. 33: 366.
  13. **Cottle, L.M.**, Baker, L.A., DeOtte, R.E., Auvermann, B.W., Parker, D., and Pipkin, J.L. 2009. Sodium pentobarbital residues in compost piles containing carcasses of euthanized equines. Proc. 21st Equine Sci.

### 2.1.3 Other Research Publications

1. **Cottle, L.M.** 2011. Fate and transport of sodium pentobarbital from disposal of euthanized equine carcasses during the composting process. Ph.D. Dissertation. West Texas A&M University, Canyon, TX.
2. **Cottle, L.M.** 2008. Sodium pentobarbital residues in compost piles containing carcasses of euthanized equines. M. S. Thesis. West Texas A&M University, Canyon, TX.

### 2.1.4 Reviewed and Numbered Bulletins

- Luck, L.M.** 2023. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Luck, L.M.** 2021. 4-H Horse Project Advancement Levels. 4H-426  
**Luck, L.M.** 2021. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Luck, L.M.** 2019. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Luck, L.M.** 2018. 4-H Horse Project Advancement Levels updated, 4H-426  
**Luck, L.M.** 2017. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Luck, L.M.** 2015. 4-H Horse Project Advancement Levels completion certificates revised  
**Cottle, L.M.** 2015. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Cottle, L.M.** 2013. Nebraska 4-H Horse Show and Judging Guide. 4H-373  
**Cottle, L.M.** 2012. 4-H Horse Project Advancement Levels completion certificates revised

## 3. TEACHING ACCOMPLISHMENTS

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### 3.1 Classroom Instruction

#### **ASCI 252: Introduction to the Horse Industry and Management**

Semester: Fall (In-person and online) – 2 sections – 3 credit hours each

Summary: Scope and role of the horse industry. Development and use of breeds, industry involvement and practices dealing with nutrition, breeding, marketing and management; selection of horses for use in breeding and/or performance based on current industry standards. Career options dealing with the horse industry.

#### **ASCI 260: Basic Equitation**

Semester: Spring – 3 lab sections – 2 credit hours

Summary: A study and application of basic equitation principles for the novice rider. Basic horse handling practices and adapting dressage maneuvers towards Western and English performance excellence is emphasized.

#### **ASCI 271: Companion Animal and Equine Behavior**

Semester: Spring (In-person and online) – 2 sections – 3 credit hours each

Summary: Application of behavior principles to describe normal and problem behaviors of common companion animals and equines.

#### **ASCI 486: Animal Biological Systems**

Semester: Fall – 3 credit hours

Summary: The course is designed to teach students how to integrate information from the animal science disciplines to understanding animals as biological systems. Special emphasis will be placed on analyzing the interrelationships of each discipline within animal production. Using case studies, scenarios, and problem-solving assignments, the course will examine how alterations in nutrition and metabolism, genetic makeup, endocrine profile and/or the environment impact or affect the animal as a whole.

#### **ASCI 445: Independent Study - Exercise Science of Equines and Canines**

Semester: Fall (online only) – 3 credit hours

Summary: Physiological adaptations to athletic training in equine and canine athletes. Topics of emphasis include exercise-related adaptations in metabolism, locomotion, the cardiovascular system, musculoskeletal system, and endocrine system. The roles of nutrition and conditioning programs on exercise.

### **ASCI 896: Independent Study - Exercise Science of Equines and Canines**

Semester: Fall

Summary: Physiological adaptations to athletic training in equine and canine athletes. Topics of emphasis include exercise-related adaptations in metabolism, locomotion, the cardiovascular system, musculoskeletal system, and endocrine system. The roles of nutrition and conditioning programs on exercise.

### **3.2 Department of Animal Science Co-Teaching Coordinator**

- Develop and complete departmental biennial assessment of departmental learning outcomes
- Development of departmental student success goals and a method to track (total majors, retention, graduation rate, degree conferred)
- Serve on the PVET steering committee and be the contact point for PVET advisor
- Assign ASCI co-advisor for PVET students
- Complete approvals of revision of minors for the CAES minor
- Follow up and complete 80/20 reports, minimum course sizes, course enrollment and capacity
- Work with Andi Hallberg to complete instructor evaluation implementation

### **3.3 Guest Lectures and Presentations**

1. **Luck, L.**, Animal Science 171 Human Companion Animal, "Wild Horse and Burro Populations in the US", Teaching, Other, Local, Invited. (November 2, 2023).
2. **Luck, L.**, FEWSS Program Lincoln Northeast High School, "Animal Science and Equine Program", Teaching, Other, Local, Invited. (April 12, 2022).
3. **Luck, L.**, Animal Science 171 Human Companion Animal, "Wild Horse and Burro Populations in the US", Teaching, Other, Local, Invited. (October 27, 2022).
4. **Luck, L.**, Animal Science 171 Human Companion Animal, "Horse Usage", Teaching, Other, Local, Invited. (October 28, 2021).
5. **Luck, L.**, Animal Science 171 Human Companion Animal, "Horse Slaughter", Teaching, Other, Local, Invited. (October 22, 2020).
6. **Luck, L.**, Animal Science 450 Horse Management, "Mare Reproduction", Teaching, Other, Local, Invited. (December 3, 2019).
7. **Luck, L.**, Animal Science 100 Fundamentals of Animal Biology, "Equine Industry", Teaching, Other, Local, Invited. (November 18, 2019).
8. **Luck, L.**, Animal Science 450 Horse Management, "Stallion Reproduction", Teaching, Other, Local, Invited. (November 14, 2019).
9. **Luck, L.**, Animal Science 95 Orientation Seminar, "Equine Industry", Teaching, Other, Local, Invited. (November 13, 2019).

10. **Luck, L.M.**, Animal Science 171 Human Companion Animal, "Horse Slaughter", Teaching, Other, Local, Invited. (November 30, 2018).
11. **Luck, L.M.**, Animal Science 271 Companion Animal Behavior, "Equine Behavior", Teaching, Other, Local, Invited. (April 23, 2018).
12. **Luck, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (November 14, 2017).
13. **Luck, L.M.**, Animal Science 171 Human Companion Animal, "Horse Slaughter", Teaching, Other, Local, Invited. (October 31, 2017).
14. **Luck, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 20, 2017).
15. **Luck, L.M.**, Animal Science 271 Companion Animal Behavior, "Equine Behavior", Teaching, Other, Local, Invited. (April 19, 2017).
16. **Luck, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Hunter Under Saddle", Teaching, Other, Local, Invited. (April 13, 2017).
17. **Luck, L.M.**, Animal Science 171 Human Companion Animal, "Horse Slaughter", Teaching, Other, Local, Invited. (November 1, 2016).
18. **Luck, L.M.**, Animal Science 271 Companion Animal Behavior, "Equine Behavior", Teaching, Other, Local, Invited. (April 15, 2016).
19. **Luck, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 14, 2016).
20. **Luck, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Hunter Under Saddle", Teaching, Other, Local, Invited. (April 5, 2016).
21. **Luck, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Working Hunter and Jumping ", Teaching, Other, Local, Invited. (March 10, 2016).
22. **Luck, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Ranch Riding", Teaching, Other, Local, Invited. (February 25, 2016).
23. **Luck, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (December 1, 2015).
24. **Luck, L.M.**, Animal Science 171 Human Companion Animal, "Horse Slaughter", Teaching, Other, Local, Invited. (November 3, 2015).
25. **Luck, L.M.**, Animal Science 450 Horse Management, "Equine Parasites", Teaching, Other, Local, Invited. (October 13, 2015).
26. **Luck, L.M.**, Animal Science 450 Horse Management, "Dental Aging", Teaching, Other, Local, Invited. (October 15, 2015).

27. **Cottle, L.M.**, Animal Science 271 Companion Animal Behavior, "Equine Behavior", Teaching, Other, Local, Invited. (April 20, 2015).
28. **Cottle, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Working Hunter and Jumping", Teaching, Other, Local, Invited. (April 16, 2015).
29. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 16, 2015).
30. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (December 2, 2014).
31. **Cottle, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Working Hunter and Jumping", Teaching, Other, Local, Invited. (April 17, 2014).
32. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 3, 2014).
33. **Cottle, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Working Hunter and Jumping", Teaching, Other, Local, Invited. (April 23, 2013).
34. **Cottle, L.M.**, Animal Science 271 Companion Animal Behavior, "Equine Behavior", Teaching, Other, Local, Invited. (April 17, 2013).
35. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 11, 2013).
36. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (November 13, 2012).
37. **Cottle, L.M.**, Animal Science 320 Animal Nutrition and Feeding, "Equine Nutrition", Teaching, Other, Local, Invited. (April 19, 2012).
38. **Cottle, L.M.**, Animal Science 300 Principles of Horse Judging, "Judging Working Hunter and Jumping", Teaching, Other, Local, Invited. (April 17, 2012).
39. **Cottle, L.M.**, Animal Science 322 Equine Reproduction, Teaching, Other, Local, Invited. (April 3, 2012).

### **3.4 M.S. Students Advised**

#### **3.4.1 M.S. Students Completed**

1. Pachunka, Ally. Students' attitudes towards animals influences youth development constructs based on interactions with different animal species prior to college. Graduated December 2023.
2. Gibbens, Blaire. Students' perception of online equine courses and their impacts on learning outcomes. Graduated December 2022.
3. McCarthy (Kim), Eunhye (Grace). The Nebraska 4-H equine advancement level program's role in positive youth development using the five Cs model: An exploratory study. Graduated December 2022.

4. Thompson, Carol J. Location on the body of a wearable accelerometer affects accuracy of data for identifying equine gaits. Funded by Nebraska Extension/Department of Animal Science. Graduated May 2017.

#### **3.4.2 M.S. Students in Progress**

1. Rodgers, Elizabeth. Expected graduation, December 2024

### **3.5 Outside of Classroom Instruction and Advising**

#### **3.5.1 Learning Community Faculty Sponsor**

Discover Companion Animal and Equine Careers

Through **Discover Companion Animal and Equine Careers** students will take part in opportunities to help gain a variety of experiences and provide interactions with different animals, such as companion animals, horses, and zoo animals, to help guide their path to a future career!

This Learning Community will particularly appeal to students that have a passion for animals, but do not necessarily want to pursue veterinary medicine. The community will be supported by faculty, staff, and fellow peers as students explore a variety of majors and career possibilities, all while maintaining a focus on contact with animals.

By participating in the community, students can engage in a wide variety of exclusive academic, career, and social activities throughout the year alongside their peers.

2024 – 2025:

2023 – 2024: 8 members

2022 – 2023: 8 members

### **3.6 Undergraduate Students**

#### **3.6.1 Undergraduate Students Supervised in Independent Projects**

1. Hallye Friedly (ASCI): Student Worker (Fall, 2024)
2. Charli Stamper (ASCI): Student Worker (Fall, 2024)
3. Ellie Ball (ASCI): Student Horse Intern (Spring and Summer, 2024)
4. Chloe Crowell (ASCI): Student Horse Intern (Spring, Summer and fall, 2024)
5. Brittney Blair (ASCI): Student Research (Fall, 2023)
6. Maya Lashley (ASCI): Student Research (Fall, 2023)
7. Madi Hein (ASCI): Student Research (Fall, 2023)
8. Meghan Wahl (ASCI): Extension Experiential learning student (Fall, 2023)
9. Caileigh Tripe (ASCI): Student Horse Intern (Summer, 2023)
10. Caleigh Iwanski (ASCI): Student Horse Intern (Spring and Summer, 2023)
11. Dynek, Taylor (ASCI); Student Worker (Fall, 2022)
12. Cary, Autumn (Black Hawk College); Student Horse Intern (Summer, 2022)
13. Pokorny, Megan (ASCI); Student Horse Intern (Summer, 2022)

14. Venteicher, Susan (ASCI); Student Worker (Fall, 2021)
15. Burnside, Emily (ASCI); Student Horse Intern (Summer, 2021)
16. Hultgren, Briahna (ASCI); Student Horse Intern and Independent Study Coordinator (Spring & Summer, 2021)
17. Thomas, Cassidy (ASCI); Student Horse Intern (2020)
18. Waits, Alyssa (ASCI); Student Horse Intern (2019)
19. Gibbens, Blaire (ASCI); Student Horse Intern (2019)
20. White, Julia (ASCI); Student Horse Intern (2018-2019)
21. Nelson, Sierra (ASCI); Extension Project (Fall, 2018)
22. Finn, Selena (ASCI); Student Horse Intern (2017 – 2018)
23. Polk, Lucy (ASCI); Student Worker (2017 – 2018)
24. Kim, Grace (ASCI); Student Research (Fall, 2017)
25. Nelson, Sierra (ASCI); Student Research (Fall, 2017)
26. Winters, Emma (ASCI); Student Worker (2015 – 2018)
27. Gunderson, Rebecca (ASCI); Student Horse Intern (2015 – 2018)
28. Hasenkamp, Ellen (ASCI); Extension Project (Fall, 2014)
29. Leu, McKenzie (ASCI); Extension Project (Fall, 2014)
30. Sissom-Carl, Shelbi (ASCI); Extension Project (Fall, 2014)
31. Sorensen, Rachel (ASCI); Extension Project (Fall, 2014)
32. Barnes, Taylor (ASCI); Extension Project (Fall, 2014)
33. Winnail, Shelby (ASCI); Extension Project (Spring, 2014)
34. Pulec, Kate (ASCI); Student Horse Intern (2013 – 2014)
35. Renken, Dustin (ASCI); Student Horse Intern (2012)

### **3.6.2 Average Number of Undergraduate Students Advised per Year: 30**

Advisor for the Animal Science Equine Option

- 2024 – 2025
- 2023 – 2024 (34)
- 2022 – 2023 (50)
- 2021 – 2022 (43)
- 2020 – 2021 (40)
- 2019 – 2020 (35)
- 2018 – 2019 (35)
- 2017 – 2018 (25)
- 2016 – 2017 (28)
- 2015 – 2016 (29)
- 2014 – 2015 (24)
- 2013 – 2014 (16)
- 2012 – 2013 (6)

### **3.7 Teaching Awards and Recognition**

1. National Association of Equine Affiliated Academics Teaching Award, 2024
2. Honorary State FFA Degree, Nebraska FFA Association, 2024
3. Gamma Sigma Delta Teaching Award of Merit, 2020
4. CASNR Week Outstanding Academic Advisor nominee, 2015
5. CASNR Week Outstanding Teaching nominee, 2015
6. CASNR Week Outstanding Academic Advisor nominee, 2014
7. CASNR Week Outstanding Academic Advisor nominee, 2013

### **3.8 Teaching Leadership**

1. Co-Teaching Coordinator, Department of Animal Science (2023 – present)
2. National Association of Equine Affiliated Academics (NAEAA) Executive Committee - Treasurer, (2023 – present)
3. National Association of Equine Affiliated Academics (NAEAA) Board of Directors, (2022 – present)
4. Co-Chair, Research Committee, National Association of Equine Affiliated Academics, (2022 – present)
5. Co-Chair, Communications Committee, National Association of Equine Affiliated Academics, (2022 – 2024)
6. Member, CASNR Faculty Advisory Council. Institute of Agriculture and Natural Resources (2016 – Present)
7. Chair, CASNR Faculty Advisory Council. Institute of Agriculture and Natural Resources (2022-2023 & 2020-2021)

### **3.9 Other Teaching Accomplishments**

#### **3.9.1 Curriculum Improvements and Development**

1. Attended the National Association of Equine Affiliated Academics (2013, 2015, 2017, 2019, 2021, 2022, 2023)
2. Revised and updated lectures for ASCI 271, Companion Animal Behavior, 2023.
3. Developed lecture material and taught ASCI 486, Animal Biological Systems, 2020.
4. Developed, recorded and taught ASCI 496/896, Independent Study: Equine and Canine Exercise Science, 2020.
5. ASCI 271 course title change to Companion Animal and Equine Behavior, 2020.
6. Revised and updated lectures for ASCI 271, Companion Animal Behavior, 2019.
7. Taught ASCI 252, Introduction to the Horse Industry and Management online for the first time, 2019.
8. ASCI 260, Basic Equitation, lecture component moved to online and lectures recorded, 2018.

9. Completed the ARISE course, Planning Assessment for Learning. 2015. The course taught about implementing curriculum assessment techniques (CATs). I used these new methods to constantly assess where my students are with the lecture material in ASCI 252.
10. Added SoftChalk technology and active learning components to ASCI 252, 2015.
11. Completed Effective Personal Productivity course provided by Leadership Resources. 2014. Through completing the course, I have developed planning sheets goals, and worked to reach those goals. It has helped me prioritize the work I want to accomplish and focus on the most important aspects of my career.
12. Completed the ARISE course, Research Based Instructional Strategies. 2014. The course taught about implementing new instructional techniques. I used these new methods to add active learning to my current courses I teach.
13. ASCI 260, Basic Equitation changed from a traditional lab course to a course with a lecture and lab section, 2014.
14. Added active learning to the ASCI 252 lectures, 2014.
15. ASCI 252, Fundamentals of the Horse Industry was changed from a 2-credit hour course to a 3 credit hour course and the name was changed to Introduction to the Horse Industry and Management, 2013.
16. Attended an Equine Purina Symposium. I learned a great deal about Purina horse feeds and gained valuable industry connections.
17. UNL Blended Learning Workshop. 2013. Helped with understanding how to incorporate technology in the classroom as well as different methods to teach in class lectures and online.
18. Attended the CASNR Winter Interim Workshop (2013, 2017)
19. Attended the Equine Science Symposium (2013, 2015, 2017, 2019, 2021)

### 3.9.2 Student Organization Advising

1. Advisor, University of Nebraska-Lincoln Equestrian Team (May 2012 – present)
2. Assistant Coach, West Texas A&M University Equestrian Team (May 2007 – August 2011)
3. Assistant Coach, West Texas A&M University Horse Judging Team (June 2006 – May 2007)

### 3.9.3 Donation of Horses to the Animal Science Teaching Program

| Year | Horse   | Name                         | Value     |
|------|---------|------------------------------|-----------|
| 2024 | Gelding | Dodge Da Bullit "Bullit"     | \$100,000 |
| 2022 | Gelding | What We Do Best "Jack"       | \$70,000  |
| 2022 | Gelding | Rock and Roll Dreams "Ernie" | \$150,000 |
| 2022 | Gelding | Natural Harlequinn "Quinn"   | \$35,000  |
| 2022 | Gelding | Thumb Enterprise "Thumper"   | \$4,500   |
| 2021 | Gelding | Huntin for Dreams "Brady G"  | \$50,000  |
| 2021 | Gelding | CM Notice Me "Benz"          | \$20,000  |
| 2020 | Gelding | "Royal"                      | \$35,000  |
| 2019 | Gelding | Bi Krymsun "Vern"            | \$90,000  |

|              |         |                               |           |
|--------------|---------|-------------------------------|-----------|
| <b>2019</b>  | Gelding | "Chance"                      | \$5,000   |
| <b>2018</b>  | Gelding | "Volume"                      | \$4,950   |
| <b>2018</b>  | Gelding | Huntin for Cookies "Stoney"   | \$25,000  |
| <b>2016</b>  | Gelding | Exquisite Hotrod "Asher"      | \$5,000   |
| <b>2016</b>  | Gelding | All you need is Luck "Beamer" | \$5,000   |
| <b>2016</b>  | Gelding | "Jackson"                     | \$5,000   |
| <b>2016</b>  | Gelding | Tardys Red Hot Asset "Junior" | \$4,500   |
| <b>2016</b>  | Gelding | That's A Hot Iron "Champ"     | \$12,000  |
| <b>2015</b>  | Mare    | Dynamically Good "Jasmine"    | \$10,000  |
| <b>2014</b>  | Mare    | Bambis Little Zipper "Bonnie" | \$5,000   |
| <b>2014</b>  | Gelding | Sensational Imprint "Brady P" | \$25,000  |
| <b>2014</b>  | Gelding | Lonesome Leroy "Leroy"        | \$5,000   |
| <b>2014</b>  | Gelding | "Shrek"                       | \$15,000  |
| <b>2012</b>  | Gelding | Mr Invited "Herbie"           | \$4,999   |
| <b>2012</b>  | Gelding | Maximillion Legend "Max"      | \$4,950   |
| <b>2012</b>  | Mare    | Sunny Money Melody "Melody"   | \$4,500   |
| <b>Total</b> |         |                               | \$695,399 |

## 4. EXTENSION ACCOMPLISHMENTS

### 4.1 Extension Outputs

| <b>Extension Output Overview</b>                          | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>2023</b> | <b>Total</b> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Peer reviewed conference abstracts and oral presentations | 2           |             | 3           |             |             | 1           | 2           | 1           | 1           | 10           |
| Peer reviewed articles                                    | 1           | 1           | 1           | 3           |             |             | 0           | 1           | 1           | 8            |
| Numbered Ext. Bulletins                                   | 2           |             | 1           | 1           | 1           |             | 2           | 0           | 1           | 8            |
| Webinars*   | 1           | 1           | 5           | 10          | 5           | 5           | 6           | 2           | 2           | 37           |
| Media Interviews  | 2           | 4           | 2           | 2           | 3           |             | 1           | 2           | 1           | 17           |
| Presentations   | 8           | 3           | 3           | 1           | 3           | 7           | 2           | 2           | 2           | 31           |
| Online resources*   |             | 26          | 21          | 19          | 1           | 12          | 8           | 6           | 2           | 93           |

\*Can be accessed at <https://4h.unl.edu/horse> and <https://marketplace.unl.edu>

## 4.2 Invited Extension Presentations and Sessions

1. **Luck, L.M.** 2023. Equine Biosecurity. Introduction to Horse Management and Horsemanship Clinic. Online Workshop in conjunction with University of Nebraska-Lincoln and Texas AgriLife Extension, Workshop, National, Invited. (March 24, 2023)
2. **Luck, L.M.** 2023. Equine Bits and Uses. Introduction to Horse Management and Horsemanship Clinic. Online Workshop in conjunction with University of Nebraska-Lincoln and Texas AgriLife Extension, Workshop, National, Invited. (March 17, 2023)
3. **Luck, L.M.** 2023. Mare and Foal Nutrition Part 1. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited.
4. **Luck, L.M.** 2023. Mare and Foal Nutrition Part 2. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited.
5. **Luck, L.M.** and Kim, G. 2022. District and State Horse Show Entry Procedures. (March 21, 2022).
6. **Luck, L.M.**, Martinson, K. and Hiney, K. 2022. Equine Composting: The story of practicality for horse owners. Extension, Podcast, National, Ivided. (November 23, 2022)  
<https://www.buzzsprout.com/242373/11743155-equine-composting-the-story-of-practicality-for-horse-owners>
7. **Luck, L.M.** 2022. Mare and Foal Nutrition Part 1. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited. 18 enrollees from 9 different states of which 9 were from Texas
8. **Luck, L.M.** 2022. Mare and Foal Nutrition Part 2. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited. 18 enrollees from 9 different states of which 9 were from Texas
9. **Luck, L.M.** 2021. Mare and Foal Nutrition Part 1. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited.
10. **Luck, L.M.** 2021. Mare and Foal Nutrition Part 2. Texas Agrilife Extension Mare and Foal Online Workshop. Extension, Workshop, National, Invited.
11. **Luck, L.M.** and Kim, G. 2021. District and State Horse Show Entry Procedures. (March 21, 2021).
12. **Luck, L.M.** 2021. Basic Equine Nutrition. Introduction to Horse Management and Horsemanship Clinic. Online Workshop in conjunction with University of Nebraska-Lincoln and Texas AgriLife Extension, Workshop, National, Invited. (March 8, 2021)
13. Kim, G. and **Luck, L.M.** 2020. 4-H County and state guidelines for hosting a virtual horse show. Extension, Workshop, State, Invited.
14. **Luck, L.M.** 2020. Organ Systems of the Horse Part 1. Hippology Academy 3. HorseQuest Moodle Course. Extension, Workshop, National, Invited.
15. **Luck, L.M.** 2020. Organ Systems of the Horse Part 2. Hippology Academy 3. HorseQuest Moodle Course. Extension, Workshop, National, Invited.

16. **Luck, L.** Equine Nutrition and Nutrient Calculations. Nebraska Advancement Level Workshop. Extension, Workshop, State, Invited. (March 8, 2020).
17. Thompson, C., **and Luck, L.M.** Horses and Technology. Extension, Workshop, State, Invited. (February 6, 2017).
18. **Luck, L.M.** and L.K. Karr-Lilienthal. C & E Afterschool Educator Workshop. Extension, Workshop, State, Invited. (August 20, 2015).
19. **Cottle, L.M.** Purina Horse Owner Workshop (HOW). Equine Body Condition Scoring. University of Nebraska-Lincoln, Animal Science, Extension, Workshop, State, Invited. (March 7, 2015).
20. **Cottle, L.M.** Horseman's Update. Non-traditional Feeds for Horses. University of Nebraska-Lincoln, Animal Science, Extension, Workshop, State, Invited. (January 27, 2015)
21. **Cottle, L.M.** Horseman's Update. Bits and Attire: What's legal and what's not in NE 4-H. University of Nebraska-Lincoln, Animal Science, Extension, Workshop, State, Invited. (January 27, 2015)
22. **Cottle, L.M.** Master Equine Manager Lecture, Iowa State University, University of Nebraska-Lincoln, Animal Science, "Equine Feeds and Feeding", Extension, Workshop, State, Invited. (November 7, 2014).
23. **Cottle, L.M.** Biosecurity Efforts and Concerns in the Horse Industry. LEDRS Conference, State, Invited. (July 8, 2014).
24. **Cottle, L.M.** Master Equine Manager Lecture, Iowa State University, University of Nebraska-Lincoln, Animal Science, "Equine Feeds and Feeding", Extension, Workshop, State, Invited. (April 19, 2013).
25. **Cottle, L.M.** Extension in-service, University of Nebraska - Animal Science, Animal Science, "Composting and other equine carcass disposal options", Extension, Workshop, State, Invited. (February 27, 2013).

### 4.3 Workshops and Educational Sessions

1. Winnberg, C., **and Luck, L.M.** 2023. State-wide Horsemanship Clinics – Come Learn with Carla. Extension. State. Workshop. (June 2-4, 2023).
2. McCarthy, G. **and Luck, L.M.** 2023. Insight into the Nebraska Advancement Level Program. Extension. State. Workshop. (March 7, 2023).
3. **Luck, L.M.** 2023. Judging 4-H Horse Shows, Ethical Concerns and 4-H Rules and Guidelines. Extension. State. Workshop. (February 25, 2023).
4. **Luck, L.M.** and McCarthy, G. 2023. How to become a certified Nebraska 4-H Horse Show Judge. Extension. State. Workshop. (January 26, 2023).
5. **Luck, L.M.** Kim, G. and Anderson, K. 2022. Judging Contest. Extension. National. Workshop. (May 1, 2022).

6. **Luck, L.M.** and Anderson, K. 2022. Judging Hunter Hack. Extension. State. Workshop. (April 30, 2022).
7. Anderson, K. and **Luck, L.M.** 2022. Judging Trail. Extension. State. Workshop. (April 30, 2022).
8. Anderson, K. and **Luck, L.M.** 2022. Judging Horsemanship. Extension. State. Workshop. (April 30, 2022).
9. Huseman, C., **Luck, L.M.**, and Kim, G. 2022. Basic Horse Health: Health Assessment. Introduction to Basic Horse Knowledge Workshop. Extension, Virtual Workshop, State, Invited. (March 28, 2022).
10. Huseman, C., **Luck, L.M.**, and Kim, G. 2022. Basic Horse Health: Vaccinations and Deworming. Introduction to Basic Horse Knowledge Workshop. Extension, Virtual Workshop, State, Invited. (March 21, 2022).
11. **Luck, L.M.**, Kim, G. and Huseman, C. 2022. Basic Horse Nutrition. Introduction to Basic Horse Knowledge Workshop. Extension, Virtual Workshop, State, Invited. (March 14, 2022).
12. **Luck, L.M.**, Kim, G. and Huseman, C. 2022. Horse Colors and Markings. Introduction to Basic Horse Knowledge Workshop. Extension, Virtual Workshop, State, Invited. (March 7, 2022).
13. **Luck, L.** Nebraska Equine Webinar Series. Online Horsemanship Courses & Digital Badges Extension, Webinar. (October 11, 2021).
14. Anderson, K. and **Luck, L.M.** 2021. Judging Ranch Pleasure. 4-H Virtual Judges Workshop. (April 26, 2021).
15. Shobert, S. and **Luck, L.M.** 2021. Judging Hunt Seat Equitation. 4-H Virtual Judges Workshop. (April 19, 2021).
16. Pipkin, J. and **Luck, L.M.** 2021. Judging Showmanship. 4-H Virtual Judges Workshop. (April 12, 2021).
17. Cavendar, C. and **Luck, L.M.** 2021. Judging Western Riding. 4-H Virtual Judges Workshop. (April 5, 2021).
18. Jaixen, L. and **Luck, L.M.** 2021. Basic Horsemanship. Introduction to Horse Management and Horsemanship Clinic. (March 29, 2021).
19. Huseman, C. and **Luck, L.M.** 2021. Basic Equine Health Part 2. Introduction to Horse Management and Horsemanship Clinic. Extension, Virtual Workshop, State, Invited. (March 22, 2021).
20. Huseman, C. and **Luck, L.M.** 2021. Basic Equine Health Part 1. Introduction to Horse Management and Horsemanship Clinic. Extension, Virtual Workshop, State, Invited. (March 14, 2021)
21. **Luck, L.M.** 2021. Basic Equine Nutrition. Introduction to Horse Management and Horsemanship Clinic. Extension, Virtual Workshop, State, Invited. (March 8, 2021)
22. **Luck, L.** and Kim, G., Nebraska Equine Webinar Series. 2021 Changes to the 4-H Horse Program. Extension, Webinar. (January 11, 2021).

23. Kim, G., and **Luck, L.**, Nebraska Equine Webinar Series. Trailer Safety and Maintenance. (July 13, 2020).
24. **Luck, L.**, Nebraska Equine Webinar Series. Manure Management through Composting. Extension, Webinar. (June 6, 2020)
25. **Luck, L.**, Nebraska Equine Webinar Series. Judging Hunter Hack, Working Hunter, and Jumping. Extension, Webinar. (April 13, 2020)
26. **Luck, L.** Judging Hunt Seat Equitation. Nebraska Horse Judging School. Extension, Workshop, State, Invited. (March 7, 2020).
27. **Luck, L.**, Nebraska Equine Webinar Series. 2020 State Horse Show Changes. Extension, Webinar. (January 13, 2020)
28. **Luck, L.M.** 2020. Equine Simple and Flying Lead Changes Video. 4-H Advancement Level Study Course. YouTube.
29. **Luck, L.M.** 2020. Equine Footfall Patterns Video. 4-H Advancement Level Study Course. YouTube.
30. **Luck, L.M.** 2020. Equine Turn on the Forehand Video. 4-H Advancement Level Study Course. YouTube.
31. **Luck, L.M.** 2020. Side Passing Your Horse. 4-H Advancement Level Study Course. YouTube.
32. **Luck, L.M.** 2020. Turning on the Haunches or Pivoting Your Horse Video. 4-H Advancement Level Study Course. YouTube.
33. **Luck, L.**, Nebraska Equine Webinar Series. Horse Bits and Tips. Extension, Webinar. (April 4, 2019)
34. **Luck, L.**, Nebraska Equine Webinar Series. Equine Biosecurity. Extension, Webinar. (March 11, 2019)
35. **Luck, L.**, Nebraska Equine Webinar Series. 2019 District and State Horse Show Changes. Extension, Webinar. (February 11, 2019)
36. Karr, L.K. and **Luck, L.M.** Nebraska Equine Webinar Series. UNL Animal Science Department. Extension, Webinar. (December 10, 2018)
37. **Luck, L.M.** Nebraska Equine Webinar Series. 4-H Horse Program Updates with Question and Answer Session. Extension, Webinar. (November 12, 2018)
38. **Luck, L.M.** Nebraska Equine Webinar Series. Bits and Biting. Extension, Webinar. (September 10, 2018)
39. **Luck, L.M.** Facebook Live Video. How to put your hair in a helmet for showing in Hunt Seat classes? (July 10, 2018).
40. **Luck, L.M.** Facebook Live Video. How to put your hair in a bun for showing in western classes? (July 11, 2018).

41. **Luck, L.M.** Nebraska Equine Webinar Series. Horse Show Prep. Extension, Webinar. (May 14, 2018)
42. **Luck, L.M.** Judging Hunt Seat Equitation. Nebraska Horse Judging School. Extension, Workshop, State, Invited. (April 28, 2018).
43. **Luck, L.M.** Nebraska Equine Webinar Series. District and State Horse Show Changes. Extension, Webinar. (April 9, 2018)
44. **Luck, L.M.** Nebraska Equine Webinar Series. Aging a Horse by Their Teeth. Extension, Webinar. (March 12, 2018)
45. **Luck, L.M.** Nebraska Equine Webinar Series. Stampede. Extension, Webinar. (November 13, 2017)
46. **Luck, L.M.** Nebraska Equine Webinar Series. Horse Nutrition and developing a feed chart for advancement level 3. Extension, Webinar. (September 11, 2017)
47. **Luck, L.M.** Judging Halter. Nebraska Horse Judging School. Extension, Workshop, State, Invited. (April 22, 2017).
48. **Luck, L.M.** and L. Karr. Stampede and Companion Animal Challenge. Extension, Webinar. (January 10, 2017).
49. **Luck, L.M.** and Anderson K.P. Adult 4-H Horse Judging Workshop. Judging Western Horsemanship. University of Nebraska-Lincoln, Animal Science, Extension, Workshop, State, Invited (February 29, March 31, and May 17, 2016).
50. **Cottle, L.M.** 4-H Employee Training, UNL Extension, "Youth Horse Extension Program", Extension, Workshop, State, Invited. (April 8, 2015).
51. **Cottle, L.M.** Adult 4-H Horse Judging Workshop. Nebraska 4-H Horse Show Dress Code and Legal Bits. University of Nebraska-Lincoln, Animal Science, Extension, Workshop, State, Invited. (February 3, 17 & 24, 2015).
52. **Cottle, L.M.** and Karr-Lilienthal, L.K. Companion Animal and Equine 4-H Program. Nebraska New 4-H Employee Training. Extension, Workshop, State, Invited. (September 19, 2014).
53. **Cottle, L.M.** Animals Inside and Out. Skeletal System: Differences and Similarities between horses, humans, and companion animals. Extension, State, Invited. (May 7, 2014).
54. **Cottle, L.M.** Nebraska Horse Judging Workshop. Extension, Workshop, State, Invited. (October 26, 2013).
55. **Cottle, L.M.** and Anderson, K. Horsin around. Extension, Workshop, State, Invited. (January 26-27, 2013).
56. **Cottle, L.M.** Nebraska Horse Judging Workshop. Extension, Workshop, State, Invited. (December 1, 2012).
57. **Cottle, L.M.** Pitzer 4-H Horse Judging Clinic and Contest. Extension, Workshop, State, Invited. (May 30, 2012).

58. **Cottle, L.M.** Gretna 4-H Horse Judging Clinic and Contest. Extension, Workshop, State, Invited. (June 27, 2012).
59. **Cottle, L.M.** Horsemanship Clinic. Dawson County Extension, Workshop, State, Invited. (June 4, 2012).

#### 4.4 Media Interviews

1. **Luck, L.M.** Pure Nebraska. 4-H State Rodeo. Extension, Workshop, State, Invited. (September 16, 2022).
2. **Luck, L.M.** Pure Nebraska. National Western Roundup Champion Horse State is Nebraska 4-H Horse Program. Extension, Workshop, State, Invited. (January 18, 2019).
3. **Luck, L.M.** Pure Nebraska. Animal Science Open House. Extension, Workshop, State, Invited. (October 5, 2018).
4. **Luck, L.M.** Pure Nebraska. Animal Science Open House. Extension, Workshop, State, Invited. (October 20, 2017).
5. **Luck, L.M.** Processing your district and state horse show entries. Extension, Webinar. (April 28, 2016).
6. **Luck, L.M.** Pure Nebraska. Nebraska 4-H Horse Program. Extension, Workshop, State, Invited. (June 3, 2016).
7. **Luck, L.M.** Processing your district and state horse show entries. Extension, Webinar. (April 28, 2016).
8. **Cottle, L.M.** Pure Nebraska. Nebraska 4-H Horse Program. Extension, Workshop, State, Invited. (June 5, 2015).
9. **Cottle, L.M.** Processing your district and state horse show entries. Extension, Webinar. (April 29, 2014).
10. **Cottle, L.M.** Agriculture Media. Nebraska 4-H Horse Program. Extension, Webinar. (April 2, 2012).

#### 4.5 Extension Leadership

- Supervise Eunhye (Grace) Kim, Companion Animal and Equine Extension Assistant (2019 – 2023)
- Chair – 4-H Horse Advisory Committee, (January 2012 – present)
- Coordinate, facilitate, and manage all state level 4-H horse contests; 4-H Stampede, 4-H District Horse Shows, Fonner Park State 4-H Exposition, (January 2012 – present)
- 4-H Horse Website (4h.unl.edu/horse), Administrator, (January 2012 – present)
- Superintendent, National Western Roundup Horse Committee, (2013 – present)

## 5. GRANTSMANSHIP RECORD

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### 5.1.1 Internally Funded Grants

1. Karr, L., T. Burkey, **L. Luck**, and K. Smith. 2021. Animal Science Discovery (ASCI) Program. CASNR Holling Family Teaching and Learning Innovation Grants. Funding Agency: CASNR. Amount \$15,000
2. **Cottle, L.M.**, J. Melander, K. Anderson and H. Borck. 2015. Developing the EquiMove Horse Sensor and Instructional Design Website: An online resource to educate people on health and fitness of their horse. Funding Agency: UNL Extension. Amount \$10,000.
3. Karr-Lilienthal, L., **L.M. Cottle**, D.R. Brink, K.P. Anderson, K. Hanford. 2014. Adding Technology to the Classroom: Soft Chalk Use in ASCI courses. Funding Agency: CASNR Instruction/Training. Amount \$5,625.
4. **Cottle, L.M.**, L.K. Karr-Lilienthal, D. Pesek, A. Benes. 2014. Companion Animal and Equine School Enrichment/Afterschool Program to Increase 4-H Enrollment. Funding Agency: UNL Extension. Amount \$7,500.
5. Borck, H., K. Elsen, E. Janning, J. Melander and **L.M. Cottle**. 2014. Ag-Citing Adventure Mobile App/Website. Funding Agency: UNL Extension. Amount \$10,000.

### 5.1.2 Externally Funded Grants Submitted/Pending

### 5.1.3 Externally Funded Grants

1. Anderson, K., **Luck, L.**, Jaixen, L., and Purdum, S., 134011, Grant, "Dressage Clinic", The Dressage Foundation, Associations/Foundations, Public Service, \$5,000, Awarded. (sub: March 13, 2020).
2. Karr-Lilienthal, L., D.R. Brink, **L.M. Cottle**, B. Reiling, K.P. Anderson, S. Jones, B. Bennett. 2015. Completion and Marketing of an Online Animal Science Minor. Funding Agency: Online Worldwide. Amount \$24,000.
3. Borck, H., K. Elsen, E. Janning, J. Melander and **L.M. Cottle**. 2014. Ag-Citing Adventure Mobile App/Website. Funding Agency: Poultry and Egg Division Nebraska Department of Agriculture. Amount \$1,000.
4. Borck, H., K. Elsen, E. Janning, J. Melander and **L.M. Cottle**. 2014. Ag-Citing Adventure Mobile App/Website. Funding Agency: Nebraska Corn Board. Amount \$6,000.

### 5.1.4 Externally Funded Grants Submitted/Not Funded

1. Woiwode, R., **Luck, L.M.** and Anderson, K. 2020. Effects of turnout time on behavior of horses housed in single stalls. Funding Agency: Morris Animal Foundation. Amount \$9,460
2. **Luck, L.M.**, Karr, L., Reiling, B., and Conner, N. 2019 Extension Experiential Learning in Animal Science to Promote Animal Science Literacy. Funding Agency: USDA-NIFA-AFRI. Amount \$347,986.
3. **Luck, L.M.**, Karr, L., Reiling, B., and Conner, N. 2018 Extension Experiential Learning in Animal Science to Promote Animal Science Literacy. Funding Agency: USDA-NIFA-AFRI. Amount \$281,791.

4. **Luck, L.M.**, and Pitla, S.K. 2018 Development and validation of a sensor for collecting equine exercise data for use in determining energy requirements for the equine athlete. Funding Agency: USA Equestrian Trust. Amount: \$26,517.
5. Anderson, K., Sigler, D., Skelly, C., Stewart, C., Brady, C., **Cottle, L.M.** and Greene, E. 2015. SaddleUp4Fitness. Funding Agency: eXtension Foundation, Inc.. Amount \$122,164
6. **Luck, L.M.**, Keshwani, J., and Anderson K. 2015. Equimove sensor. Funding Agency: USA Equestrian Trust. Amount \$27,720.
7. **Luck, L.M.**, Keshwani, J., and Anderson K. 2015. Developing the EquiMove Horse Sensor and Instructional Design Website: An online resource to educate people on health and fitness of their horses. Funding Agency: American Association of Equine Practitioners. Amount \$23,000.

## **6. SERVICE ACCOMPLISHMENTS**

### **6.1 Professional Service**

#### **6.1.1 Leadership Positions in National Organizations**

8. National Association of Equine Affiliated Academics (NAEAA) Executive Committee - Treasurer, (2023 – present)
9. National Association of Equine Affiliated Academics (NAEAA) Board of Directors, (2022 – present)
10. Co-Chair, Research Committee, National Association of Equine Affiliated Academics, (2022 – present)
11. Co-Chair, Communications Committee, National Association of Equine Affiliated Academics, (2022 – present)
12. Superintendent, National Western Roundup Horse Committee, (2013 – present)

#### **6.1.2 Membership in National Organization Committees**

1. Research Committee, National Association of Equine Affiliated Academics, (2020 – present)
2. Communications Committee, National Association of Equine Affiliated Academics, (2020 – present)

#### **6.1.3 Leadership Positions in Regional and Local Organizations**

1. Chair, Nebraska 4-H Horse Advisory Committee, (2012 – present)

### **6.2 College Service**

#### **6.2.1 Leadership Positions on College-Wide Committees**

1. Chair, CASNR Faculty Advisory Council. Institute of Agriculture and Natural Resources, past (2020 – 2021), (2022 – 2023)

#### **6.2.2 Membership on College-Wide Committees**

2. Member, CASNR Faculty Advisory Council. Institute of Agriculture and Natural Resources (2016 – Present)

### **6.3 Unit Service**

#### **6.3.1 Leadership on Unit Committees**

1. Animal Science Co-Teaching Coordinator, Department of Animal Science (September 2023 – present)
2. Advising Committee Chair, Department of Animal Science (January 2018 – 2023)

#### **6.3.2 Membership on Unit Committees**

1. Curriculum Committee, Department of Animal Science (August 2023 – present)
2. Awards Committee, Department of Animal Science (August 2023 - present)
3. Advising Committee, Department of Animal Science (July 2012 – present)
4. Recruitment Committee, Department of Animal Science (August 2018 – 2023)
5. Internal Advisory Committee, Department of Animal Science (January 2013 – 2023)
6. Manager-UNL Horse Herd, Department of Animal Science (January 2012 – present)