

Curriculum Vitae

CV SECTION 1: EMPLOYMENT HISTORY/AWARDS

NAME Holly M. Greene, MS

ADDRESS California State Polytechnic University, Pomona
Don B. Huntley College of Agriculture
Animal and Veterinary Sciences Department
3801 West Temple Avenue
Pomona, California 91768

PHONE 909-869-2156

EMAIL hmgreene@cpp.edu

EDUCATION

- 1998 Master of Science, Agriculture (Animal Science Option): California State Polytechnic University, Pomona California. Thesis Title: *High Altitude Effects (3800 m) on Respiratory Gases, Acid-Base Balance and Pulmonary Artery Pressures in Equids*
- 1994 Bachelor of Science, Animal Science (Equine Industry Option): California State Polytechnic University, Pomona, California
- 1988 Associate of Science, Photography: Riverside Community College, Riverside, California

ACADEMIC POSITIONS

- 2018 – Present *Temporary Faculty Appointment*, Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2018 – Present *Technician*, CPP Foundation MOU with Platt College and Stanbridge University, AVMA Essential Equine Skills, Pomona, California
- 2017 – Present *Animal Compliance and Safety Specialist*, Department of Animal and Veterinary Sciences, Don B. Huntley College of Agriculture, California State Polytechnic University, Pomona, California
- 2015-2017 *Multi-Diverse Research Technician*, Don B. Huntley College of Agriculture, California State Polytechnic University, Pomona, California
- 1994-2015 *Equine Research Technician*, Equine Research Center, Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2011 *Temporary Faculty Appointment* (Spring and Winter Quarter), Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California

- 2009 *Temporary Faculty Appointment* (Spring and Winter Quarter), Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2006-2009 *Acting Director Equine Research Center*, Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2008 *Temporary Faculty Appointment* (Fall Quarter), Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2005-2007 *Graduate Coordinator*, Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California
- 2006 *Temporary Faculty Appointment* (Winter and Fall Quarter), Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, California

ACHIEVEMENTS AND AWARDS

- 2000-2001 College of Agriculture *Staff of the Year*, California State Polytechnic University, Pomona, California
- 2001-2002 President's Award for *Excellence Through Teams*, California State Polytechnic University, Pomona, California
- 2003-2004 University *Outstanding Staff of the Year*, California State Polytechnic University, Pomona, California
- 2008 Palms to Pines Branch *Outstanding Service Award*, The American Association for Laboratory Animal Science – District 8
- 2019 Golden Leaves Award, Honorable Mention, book chapter *Food Safety Reforms in the United States: The Food Safety Modernization Act. Food Safety and Protection*, California State Polytechnic University, Pomona, California
- 2023 *Distinguished Research, Scholarship & Creative Activities Staff Award*, California State Polytechnic University, Pomona, California

CV SECTION 2: PUBLICATIONS/SCHOLARLY RECORD

Publications (Reviewed Journals and Books)

1. **Greene, H.M.**, S.J. Wickler, R.L. Tucker and C. London. Fiber type composition of the middle gluteal muscle of mules. *J. Eq. Vet. Sci.*, 15(9): 388-391, 1995
2. Tucker, R.L., S.J. Wickler, C. London, A. Wyle and **H.M. Greene**. Echocardiographic and right-sided cardiac pressure comparison of the mule and horse. *J. Eq. Vet. Sci.*, 15(9): 404-408, 1995
3. **Greene, H.M.**, S.J. Wickler, R.E. Bray, M.J. Burrill, C. London. The effect of N,N-dimethylglycine on athletic performance at altitude in horses and mules. *Pferdeheilkunde* 12(4): 499-501, 1996
4. **Greene, H.M.**, S.J. Wickler, T.P. Anderson, E.A. Cogger, C.C. Lewis and A. Wyle. High altitude effects (3800 meters) on respiratory gases, acid-base balance, and pulmonary artery pressures in equids. *Eq. Vet. Journal Suppl.*, 30:71-76, 1999
5. **Greene, H.M.** and S.J. Wickler. Acute altitude exposure (3800 meters) and metabolic capacity in the middle gluteal muscle of equids. *J. of Eq. Vet. Sci.* 20(3):175-178, 2000
6. **Greene, H.M.**, E.A. Cogger, T. Miltenberger, A.K. Koch, R.E. Bray and S.J. Wickler. Metabolic and osmoregulatory function at low and high (3800 m) altitude. *Eq. Vet. Journal Suppl.*, 34:545-550, 2002
7. Trilk, J.L., A.J. Lindner, **H.M. Greene**, D. Aberghina and S.J. Wickler. A lactate guided conditioning programme to improve endurance performance. *Eq. Vet. Journal Suppl.*, 34:122-125, 2002
8. Wickler, S.J. and **H.M. Greene**. The horse and altitude. In: *Clinical Techniques in Equine Practice*, 2(3); September, 2003
9. Wickler, Steven J. and **Holly M. Greene**. High altitude acclimatization and athletic performance in horses. *Equine and Comparative Exercise Physiology* 1(3); 167-170, 2004
10. S.J. Wickler, **H.M. Greene**, D.F. Hoyt, D. Dutto, and K.M. Egan. Fatigue, stride parameters and hind limb stiffness in endurance horses. *Eq. Vet. Journal Suppl.* 36: 60-64, 2006
11. **Greene, H.M.**, M.J. Hurson and S.J. Wickler. Hematological and Respiratory Gas Changes in Horses and Mules Exercised at Altitude (3800 meters). *Eq. Vet. Journal Suppl.* 36: 551-556, 2006
12. T. Luo, JJ Bertone, **HM Greene** and SJ Wickler. A Comparison of N-Butylscopolammonium and Lidocaine for Control of Rectal Pressure in Horses. *Veterinary Therapeutics*: Vol 7, No. 3, Fall 2006
13. Ashlee A. Hauss, Cortney K. Stablein, Allison L. Fisher, **Holly M. Greene**, and Yvette S. Nout. Validation of the Lactate Plus Lactate Meter in the Horse and Its Use in a Conditioning Program. *J. of Eq. Vet. Sci.* 34:9, 1064-1068, 2014
14. Allison L. Fisher, **Holly M. Greene**, Yvette S. Nout-Lomas. Un-conventional Lactate-Guided Conditioning Program Improves Fitness and Alters Muscle Enzyme Activity but not Inflammatory Response in Arabian Horses. *Comparative Exercise Physiology*, 12(4), 183-192, 2016
15. Nout-Lomas, Yvette; Page, Krista; Kang, Hyun Gu; **Greene, Holly**. Objective Assessment of Gait in Xylazine-Induced Ataxic Horses. *Eq. Vet. J*, 2016

16. Faramarzi, B., Salinger A., Kaneps, A., Nout-Lomas, Y.S., **Greene, H.M.** and Dong, F. Quantitative analysis and development of the foot in Arabian foals from birth to one year of age. *Vet Comp Orthop Traumatol.* 2017 Nov;30(6):403-412
17. Singh, Harmit and **Holly M. Greene.** Food Safety Reforms in the United States: The Food Safety Modernization Act. Food Safety and Protection. CRC Press/Taylor & Francis Group, 2017, Eds: V Ravishanker Rai and Jumuna A Bai

Publications (Proceedings Papers)

1. **Greene, H.M.**, C. Garden, R.L. Tucker, C. London, and S.J. Wickler. Muscle fiber types from mules and horses. *Proc 14th Eq. Nutr. Physiol. Soc.*, 1995
2. Miltenberger, T.M., R.E. Bray, S.J. Wickler, T.P. Anderson, C.C. Lewis, and **H.M. Greene.** Estimation of mule body mass using linear measurements. *Proc. 15th Eq. Nutr. Physiol. Symp.*, 340-341, 1997
3. **Greene, H.M.**, R.E. Bray, and S.J. Wickler. Equine educational field programs for research, outreach and teaching opportunities. *Proc. 15th Eq. Nutr. Physiol. Symp.*, 165-166, 1997
4. **Greene, H.M.**, S.J. Wickler, and T.N. McCaffray. Acute altitude exposure (3800 m) and oxidative capacity in the middle gluteal muscle of equids. *Proc. 16th Equine Nutrition and Physiology Symposium*, 381-385, 1999
5. **Greene, H.M.**, S.J. Wickler, E.A. Cogger, T.P. Anderson, J.M. Szewczak, and P.J. Mueller. High Altitude (3800 M) Effects on pH, pCO₂, pO₂, and pulmonary artery pressures in the donkey. *Proc. 17th Equine Nutrition and Physiology Symposium*, 253-254, 2001
6. Liberatore, G.A., S.J. Wickler, and **H.M. Greene.** Effect of acute altitude exposure (3800 Meters) on the metabolic capacity of the middle gluteal muscle of donkeys (*Equus asinus*). *Proc. 17th Equine Nutrition and Physiology Symposium* 377-382, 2001
7. Roberts, H.E., E.A. Cogger, S.J. Wickler and **H.M. Greene.** The response of plasma osmolality and protein to change in altitude in the donkey (*Equus asinus*). *Proc. 17th Equine Nutrition and Physiology Symposium*, 456-457, 2001
8. Hill, E.M., **H.M. Greene**, S.J. Wickler, P.J. Mueller, J.M. Szewczak and M. Aaronian. Hematological responses to high-altitude exposure (3800 M) in donkeys. *Proc 17th Equine Nutrition and Physiology Symposium*, 440-441, 2001
9. Young, T.K., S.J. Wickler, L.A. Foster, and **H.M. Greene.** Effect of acute changes in altitude (1220m to 3800 M) on white blood cells and cortisol in burros. *Proc. 17th Equine Nutrition and Physiology Symposium*, 392-397, 2001
10. Wilkens, V.E., **H.M. Greene** and S.J. Wickler. Efficacy of a feed supplement (*Withania somnifera*) on reducing performance stress in horses. Conference on Equine Sports Medicine and Sciences. Norway, September 2005
11. **Greene, H.M.**, S.J. Wickler, D.F. Hoyt, D. Dutto, K. Egan. Fatigue, Stride Parameters, and Relative Hind Limb Stiffness in Endurance Horses. Proc. 32nd Annual Conference of Veterinary Orthopedic Society meetings, March 2005
12. Tong Luo, Joseph J. Bertone, **Holly M. Greene**, Steven J. Wickler. A comparison of N-butylscopolammonium and lidocaine for control of rectal pressure. AAEP Proceedings, volume 51, 191-194, 2005
13. Joseph J Bertone, **Holly M. Greene**, Margaret Sislak, Heidi Agnic, Melodee Heidmiller, Scott Stanley, Steven J Wickler. Pharmacokinetics, Pharmacodynamics and Safety of N-

butylscopolammonium Bromide Administered Intramuscularly versus Intravenously. AAEP Proceedings, volume 56, 279-280, 2010

Publications (Abstracts)

1. Wickler, S.J., R.E. Bray, M. Fansa, S. Evans, **H.M. Greene**. The effect of N,N-dimethylglycine on blood lactates and heart rates in horses undergoing a submaximal exercise test. *J. Ani. Sci.* 74 (Suppl. 1), p. 227, 1996
2. Anderson, T.P., R.E. Bray, S.J. Wickler, E.A. Cogger, **H.M. Greene**, and C.C. Lewis. Validation of the equine weight tape for mules. *J. Ani. Sci.* 74 (Suppl. 1), p. 243, 1996
3. Anderson, T.P., S.J. Wickler, E.A. Cogger, R.E. Bray, **H.M. Greene**, and C.C. Lewis. Changes in 2,3-DPG with acclimatization to altitude in the horse. *West. Sec. Amer. Soc. Ani. Sci.*, March, 1997
4. Wickler, S.J., **H.M. Greene**, E.A. Cogger, C.C. Lewis and A. Wyle. Arterial blood gases and pulmonary artery pressure at 3580 m. *Proceedings of Equine Exercise Physiology Research Meetings*, Nov. 15-16, 1997
5. Miltenberger, T.L., S.J. Wickler, C.C. Lewis, **H.M. Greene**. Cortisol, thyroxine, insulin and glucose concentrations in horses during high altitude acclimation. *FASEB Journal* 12(5): A724, 1998
6. **Greene, H.M.**, S.J. Wickler, E.A. Cogger and A. Wyle. Blood gas changes at high altitude in the horse. *FASEB Journal* 12(4): A57, 1998
7. **Greene, H.M.**, S.J. Wickler and T.N. McCaffray. Citrate synthase, HOAD and LDH in equine skeletal muscle after acute acclimatization to 3800 meters. *FASEB Journal* 13(5): A785, 1999
8. Hill, E.M., S.J. Wickler, J.M. Szewczak, **H.M. Greene** and E.A. Cogger. 2,3-diphosphoglycerate in burros (*Equus asinus*) after six weeks at altitude. *American Zoologist* 41, p.1471, 2001
9. Trilk, J.L., A.J. Lindner, **H.M. Greene**, D. Alberghina and S.J. Wickler. Aerobic improvement in horses using a lactate-guided conditioning program. *American Zoologist* 41, p.1609-1610, 2001
10. **Greene, H.M.**, Cogger, E.A., Miltenberger, T.L., Koch, A.K., Bray, R.E., Wickler, S.J. Hypoxic effects on metabolic function and fluid/electrolyte balance in exercising horses. *American Zoologist* 41, page 1460, 2001
11. Hurson, M.J., **Greene, H.M.**, Szewczak, J.M., Wickler, S.J. DPG Changes in Horses, Mules, and Burros with Exposure to Altitude. *The Physiologist* 45:376, 2002
12. Sanfilippo, S., R.L. Tucker, **H.M. Greene**, L.A. Foster, E.A. Cogger and S.J. Wickler. Cardiac Dimensions and Pulmonary Artery Pressures in Horses and Mules at High Altitude (3800 m). *FASEB Journal* 17(5): A1280, 2003
13. Dennison, N.L., **H.M. Greene**, L.A. Foster, W.A. Braun, S. J. Wickler. Immunological Responses to Transport and High Altitude (3800m) in Equids. *FASEB Journal* 17(5): A1280, 2003
14. **Greene, H.M.**, M.J. Hurson, E.A. Cogger, L.A. Foster and S.J. Wickler. Environmental hypoxic induced hypoxemia in horses and mules. *FASEB Journal* 17(5): A1281, 2003
15. Hurson, M.J., E.A. Cogger, **H.M. Greene**, L.A. Foster, and S.J. Wickler. Hematological changes in horses and mules with high altitude exposure (3800 m). *FASEB Journal* 17(5): A1280, 2003

16. Vasquez, E.G., **H.M. Greene**, S.J. Wickler, E.A. Cogger, and L.A. Foster. Acute metabolic alterations to high altitude in horses and mules. *FASEB Journal* 17(5): A1280, 2003
17. Brennan, B.J., **H.M. Greene**, E.A. Cogger, and S.J. Wickler. High Altitude and Plasma Volume Response in Horses and Mules. *FASEB Journal* 17(5): A1280, 2003
18. Foster, C.B., E.A. Cogger, **H.M. Greene** and S.J. Wickler. Fluid Balance and Electrolyte Changes in Horses During Rest and Exercise at High Altitude (3800 m). *Integrative Comparative and Biology* 44 (6): p 696, 2004
19. Page, K.M., Belmar, M.A, Conde, K.M., Kretsch, C.M., Lee, J., Noormohamed, A.B., Reyes, M.E., Steffen, K.A., Villagran, B.V., Stevens, M.E., **Greene, H.M.**, Nout, Y.S. Biomechanics in Ataxic Horses. CSU Agriculture Research Institute Day at Cal Poly Pomona 2012 and Southern California Conferences for Undergraduate Research. 2012
20. Hauss, A.A.; Stablein, C.K.; Fisher, A.L.; **Greene, H.M.**; Nout-Lomas, Y.S. Validation of the Lactate Plus lactate meter for use in horses. Southern California Conferences for Undergraduate Research. 2013
21. **Greene, H.M.**; Faramarzi, B.; Nout-Lomas, Y.S. Incidence of distal phalanx fractures in Arabian horse foals. CSU Agriculture Research Institute Day at Cal Poly Pomona. 2013
22. Page, K.M., **Greene, H.M.**, Nout, Y.S. Biomechanics in Ataxic Horses. *ACVIM Forum. Journal Veterinary Internal Medicine* 27 (3) p664, Abstract E57. 2013
23. Faramarzi, B, Y.S. Nout-Lomas, R. Stowe, **H.M. Greene** and H.G. Kang. Use of Force Plate to investigate force distribution in foals with and without palmar processes fractures of the distal phalanx. International Symposium on Veterinary/Physical Therapy and Sports Medicine, 2014.
24. B. Faramarzi, N. Marter, Y. Nout-Lomas, **H. Greene**, H. Dobson. Incidence of distal phalanx palmar process fractures in Arabian foals. *Comparative Exercise Physiology*, 18 (1), 2022.

Bronco Scholar Works/Cal Poly Pomona Symposiums

1. Fisher, AL, **HM Greene**, RJ Talmadage, YS Nout-Lamos. Effect of a Lactate-Guided Conditioning Program on Fitness Markers in the Equine Athlete. Presidents' Research, Scholarship, and Creative Activities Program, Cal Poly Pomona, 2014
2. Lackey, K.M., **Greene, H.M.**, Brundage, C.M. Comparing the effect of in-vitro versus in-vivo fertilization on horse (*Equus ferus caballus*) gestation lengths. Creative Activities & Research Symposium, Cal Poly Pomona, August 2019.
3. McDavis K.D., **Greene, H.M.**, Jellyman, J.K., Brundage, C.M. Morphological characteristics of Arabian mare placenta and foal umbilical cord. Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2022.
4. Aguilar, S., **Greene, H.M.**, Schilling, E.F., Dutto, D, Brundage, C.M. Fatigue and factors associated with changes in locomotor control in horses during endurance rides (48-km to 105-km). Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2022.
5. Hernandez, M.N. and **Greene, H.M.** Analysis of successful completion of endurance horses undergoing the Tevis Cup 160-km ride from 2016 to 2021. Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2022.
6. Huynh, V., **Greene, H.M.** Analysis of Endurance Horses Eliminated During the Tevis Cup 160-km Ride from 2016-2019 and 2021. Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2022.

7. Medina, E., **Greene, H.M.** Jellyman, J.K. Data on Mare/Foal Born at the W.K. Kellogg Horse Center. Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2022.
8. Hernandez, M.N., V. Huynh and **Greene, H.M.** Analysis of successful completion of endurance horses undergoing the Tevis Cup 160-km ride from 2016 to 2021. Western Regional Honors Council Conference, April 2022.
9. Inzunza S, H. Esqueda, S. Campos, J. Alvarez, J. Alvarez, A. Fereidooni, T. Peters, **H. M. Greene.** The evaluation of vasodilation in the distal limb of horses with the application of Pulsed Electromagnetic Field Therapy (PEMF). Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2023.
10. Campos, S. J. Alvarez, H. Esqueda, S. Inzunza, J. Alvarez. A. Fereidooni, T. Peters, **H. M. Greene.** The evaluation of stress properties with the application of Pulsed Electromagnetic Field Therapy (PEMF) on the Equine Distal Limb. Cal Poly Pomona Student Research, Scholarship & Creative Activities Conference, March 2023.

CONTRACTS AND GRANTS

Intramural

- 2000-2001 Heart Rate Variability in Horses. California State Polytechnic Research, Scholarship, and Creative Activities Program. \$5,000 (Co-PI)
- 2000-2001 Altitude Acclimatization in Horses and Mules. California State Polytechnic Research, Scholarship, and Creative Activities Program. \$4,700 (Co-PI)
- 2000-2001 Altitude Acclimatization in Horses and Mules. California State University Agricultural Research Institute. \$28,149 (Co-PI)
- 2002-2003 Efficacy of a Yeast Supplement in Increasing Performance in the Horse. California State University Agricultural Research Institute. \$6,000 (Co-PI)
- 2002-2003 Effect of Fatigue in Endurance Horses. California State University Agricultural Research Institute. \$40,000 (Co-PI)
- 2012-2013 Validation of Hand-Held Lactate Analyzers for Use in The Horse. California State Polytechnic University President's Research, Scholarship, and Creative Activities Program. \$4,500 (Co-PI)
- 2012-2013 Incidence of Distal Phalanx Fractures in Arabian Foals. California State University Agricultural Research Institute. \$4,000 (Co-PI)
- 2015-2016 Arabian Horse Tales; A Literacy Program for Elementary Children. California State Polytechnic University, Pomona Faculty Devel. Mini Grant, \$880 (Co-PI)
- 2019 Fatigue and factors associated with changes in locomotor control in horses during a 160-km endurance ride. Agricultural Research Initiative (ARI) Seed Grant, Cal Poly Pomona, \$8,000 (PI).
- 2020 Exhaust System for Animal and Veterinary Sciences Anatomy & Physiology Specimen Dissection Classes. Special Projects for Improving the Classroom Experience (SPICE), Cal Poly Pomona, \$30,000 (PI) (Collaborators: C. Brundage, M. McCormick J. McHugh, S. Murinda, A. Watson).
- 2021 Teaching Environment Modernization for AVS Laboratory Classroom. Special Projects for Improving the Classroom Experience (SPICE), Cal Poly Pomona, \$28,092 (PI) (Collaborators: C. Brundage, O. Gekara, H. Han, E. At-Taras, M. McCormick, J. McHugh, S. Murinda, A. Watson).
- 2022 Learn Through Discovery, Hatchery Project: Horse Wellness Team: S. Campos, J. Alvarez, H. Esqueda, S. Inzunza, J. Alvarez. Cal Poly Pomona, \$8,000
- 2023 Equine Reproduction Classroom Technology Upgrade. Special Projects for Improving the Classroom Experience (SPICE), Cal Poly Pomona, \$12,327.50

Extramural

- 1995-1996 High Altitude Acclimatization in the Horse. White Mountain Research Station – UC San Diego. \$1,000, (Fellowship Grant)
- 1996-1997 Effect of Training at Altitude on Athletic Performance. UC Davis, Center for Equine Health. \$6,000 (Co-PI)
- 1997-1998 Efficacy of an Electrolyte Supplement. Farnam Pharmaceuticals, \$2,000 (Co-PI)
- 1998-1999 Efficacy of an Equine Blanket. Farnam Pharmaceuticals, \$2,500 (Co-PI)

1998-1999 Field Efficacy of a Doramectin Injectable. Pfizer Pharmaceuticals, \$12,340 (Co-PI)

2001-2002 Probiotic for Performance Enhancement. Diamond V Products, \$3,000 (Co-PI)

2001-2002 Altitude Acclimatization: Training and Performance in Horses and Mules. UC Davis, Center for Equine Health, \$9,048 (Co-PI)

2003-2004 Efficiency of Herbal Anti-stressor, Adaptogen and Performance Enhancer Supplementation in Sports Horses. Ayurved Limited, \$7,456 (Co-PI)

2006-2007 Yeast β -glucan Supplementation in Horses. DogEquine Inc., \$2,450 (Co-PI)

2009-2010 The effects of extruded feed supplements in horses (Alfalfa Formula and Alfalfa Free Formula). Canidae Natural Pet Foods., \$20,659 (Co-PI)

2020 Use of a Smart Halter to Predict Foaling in Mares, Private donation - \$14,383 (gift in-kind) (Collaborator: C. Brundage)

2022 Pulsed Electromagnetic Field Therapy, MagnaWave – \$3,400 (Equipment Loan)

CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING

Student Enrollment for Courses Taught/Assisted Student numbers in italics	
<p>Animal Parasitology Lab Winter 2006, 2 sections, <i>32, 27</i> Winter 2011, 2 section, <i>24, 23</i> Spring 2011, 2 sections, <i>17, 15</i></p>	<p>Anatomy & Phys of Dom Animals Lab Fall 2008, 2 sections, <i>17, 11</i> Winter 2009, 2 sections, <i>16, 9</i> Spring 2009, 2 sections, <i>18, 16</i></p>
<p>Orientation to AVS Fall 2018, 2 sections: <i>58, 56</i> Spring 2019, <i>11</i> Fall 2019, 3 sections: <i>66, 48, 57</i> Fall 2020, 2 sections: <i>69, 48</i></p>	<p>AVS Graduate Seminar Fall 2020, <i>17</i></p>
<p>Special Topics for LD, Foal Watch Spring 2021, <i>11</i> Spring 2022, <i>30</i> Spring 2023, <i>46</i></p>	<p>Special Topics for UD, Equine Behavior Fall 2021, <i>17</i> Fall 2022, <i>22</i></p>
<p>Equine Management Science Fall 2011, 2 sections, <i>24/section (lab)⁺</i> Fall 2012, 2 sections, <i>13, 22 (lab)⁺</i> Fall 2013, <i>23 (lab)⁺</i> Spring 2019, <i>17 (lab)</i> Spring 2020, <i>12 (lecture)</i> Spring 2021, <i>19 (lecture)</i> Spring 2022, <i>16 (lecture)</i> Fall 2022, <i>24 (lecture)</i></p> <p>⁺Teaching Assistant (lab)</p>	<p>Equine Herd Health Spring 2023, <i>18</i></p>

Peer Evaluations of Teaching:

Fall 2022, AVS 1125 – Dr. Shelton Murinda, Comments – The instructor demonstrated good knowledge of equids and gave practical examples throughout. The students were attentive. The Canvas sit homepage is very attractive and has links to the course syllabus and discussion board.

Fall 2021, AVS 4350 – Dr. James Alderson; Comments – Professor Greene has assembled a very organized and in upper division level quality course covering exercise physiology in the horse. Each Module conations a handout, a reading assignment, a lecture and generally web link or material relating the material to ethe equine industry. Her lectures are very clear and well presented. She usually repeats the more important or difficult to understand concepts several times so that the students have a chance to grasp the information, which is an effective technique. Overall, the course was very well designed, and the course material was presented in a logical and understandable manor. I applaud Professor’s Greene’s efforts in providing and outstanding array of course support materials.

Fall 2020, AVS 1000 – Dr. Ondieki Gekara; Comments – Overall, the instructor prepared and delivered this presentation well and adequately used available zoom tools including the chat feature. The instructor prepared an excellent syllabus for the course and this included details

that point students to available resources, this should enhance teaching and student success in the course.

Fall 2019, AVS 1000 – Dr. Hyungchul Han; Comments – Provided relevant contexts for 1000 level class, kept students interested by interacting with students. Provided outline for the classes, the pace of lecture was appropriate. Students were engaged in the class

Fall 2018, AVS 1000 – Dr. Shelton Murinda; Comments – Holly demonstrated her savvy edge on the research method to a very large class (~60 students). Basic and Applied research and included mixed research; ample examples of each research type were provided. The exercise given at the end of the class using peer-reviewed articles was very relevant to group work.

Winter and Spring 2011, AHS 302L – Dr. Broc Sandelin; Comments – Ms. Greene is an excellent lecturer, and you can tell from listening to her presentations she is extremely knowledgeable on the subject matter.

Winter 2011, AHS 302L – Dr. Oscar Chavez; Comments – Instructor knowledge and preparation is very good. Well set-up and used PowerPoints effectively. Her organization and presentation of the material was very good. She lectured first, then proceeded with hands on training. Student feedback on instructor has been favorable overall.

Spring 2009, AVS 350L – Dr. James Alderson; Comments – Excellent course preparation. Dissected specimens prior to class are very helpful to the students. Lecturer incorporated research and practical application of the material into the class sessions. Exceptionally well organized and presented. Students are very attentive and responsive. Ms. Greene used very effective interrogatory tools to engage the students and promote active participation in their learning. She was very receptive to and responded well to all questions. Ms. Greene commanded excellent control of the learning environment for the students to promoting a safe and quality learning experience.

Student Evaluation Form Assessment

Student evaluations are performed for each of the classes taught within the Department of Animal and Veterinary Sciences at Cal Poly Pomona. Evaluations are scored with a 5-point Likert response option (1= very good; 5 = very poor). Following are the results on student assessment of my teaching abilities.

<p>Animal Parasitology (Lab) Winter 2006, 2 sections, <i>1.92 and 1.65</i> Winter 2011, 2 sections, <i>1.44 and 1.17</i> Spring 2011, 2 sections, <i>1.60 and 1.41</i></p>	<p>Anatomy & Phys of Dom Animals (Lab) Fall 2008, 2 sections, <i>2.02 and 1.60</i> Winter 2009, 2 sections, <i>1.92 and 1.25</i> Spring 2009, 2 sections, <i>1.45 and 1.20</i></p>
<p>Orientation to AVS Fall 2018, 2 sections, <i>1.41 and 1.40</i> Spring 2019, <i>1.43</i> Fall 2019, 3 sections, <i>1.26, 1.44 and 1.37</i> Fall 2020, 2 sections, <i>1.40 and 1.41</i></p>	<p>Equine Management Science Spring 2019 (Lab), <i>1.23</i> Spring 2020, <i>1.50*</i> Spring 2021, <i>1.34</i> Spring 2022, <i>1.17</i> Fall 2022, <i>1.40</i></p> <p style="text-align: right;">*COVID-19</p>
<p>Graduate Seminar Fall 2020, 1 section, <i>1.25</i></p>	<p>Special Topics for Lower Division Spring 2021, Foal Watch, <i>1.3</i> Spring 2022, Foal Watch, <i>1.08</i></p>
<p>Equine Exercise Physiology Fall 2021, <i>1.0</i></p>	<p>Special Topics for Lower Division Fall 2021, Equine Behavior, <i>1.17</i> Fall 2022, Equine Behavior, <i>1.0</i></p>

MENTORING/ADVISING:

- Agricultural Research Institute Hispanic Serving Institution Student Fellowship: Vivian Juynh – Academic Year 2022 – 2023
- Kellogg Honors College (undergraduate capstone project): Ivanna Marroquin – Academic Year 2022 – 2023
- Learn Through Discovery Projects Hatchery: Samantha Campos, Hannah Esqueda, Jackeline Alvarez, Stephanie Inzunza – Academic Year 2022 – 2023
- I Am First Program: Amber Pena – Academic Year 2022 – 2023
- Agricultural Research Institute Hispanic Serving Institution Student Fellowship: Steve Aguilar – Academic Year 2021 – 2022
- McNair Scholars Program: Maranda Nicole U. Hernandez and Vivian Huynh – Academic Year 2021 – 2022
- Kellogg Honors College (undergraduate capstone project): Emma Medina – Academic Year 2021 – 2022
- Advisor for Student Association for Animal Science, Cal Poly Pomona, 2018 – 2020
Co-Advisor for a new club established in 2018 which welcomes students of any major interested in animal-oriented careers, such as farm management, USDA/FDA professions, animal therapy, and zoo-keeping. Throughout the year the club aims to provide students with chances to explore different areas of animal work with guest speakers, group outings to animal facilities, and volunteer & job experience opportunities.
- Advisor for Veterinary Research Club, AVS Department, Cal Poly Pomona, 2017 – 2020
Co--Advisor for a new club chapter within the Department of Animal and Veterinary that focuses on the area of research opportunities and scientific presentations for undergraduate students. Meet with eBoard twice monthly and attend bimonthly general meetings. Ensure club adheres to University policies and procedures that pertain to student organization. Offer guidance to the club on goal setting, management, program planning and attend fund raising activities.
- Animal and Veterinary Science Graduate Coordinator, California State Polytechnic University, Pomona; 2005 – 2007
Approved student programs of study, advised them on advancement to candidacy for their Master of Science degree, considers their petitions to change majors, to add or drop courses. Worked with Major Professor's and graduate students to ensure the student course work contract fulfilled the requirements to advance to candidacy. Directed new graduate student application to the best fit Major Professor. Guided students on the understanding of university policies, their educational path and employment goals. Worked with College of Agriculture and other Graduate coordinators on the development and execution of a MS degree core classes and constructed and implemented an AVS graduate Student Handbook.

CV SECTION 4: EVIDENCE OF OUTREACH/SERVICE

COMMITTEES

1996 – 2006	Equine Consortium (Cal Poly Pomona, Cal Poly SLO, Cal State Fresno, and UC Davis)
1997 – 1999	Board of Directors – Palms to Pines Branch of American Association of Laboratory Animal Scientists
1998	Search Committee Member - College of Agriculture Associate Dean
1999-2004	Executive Director, Association for Equine Sports Medicine
2004- Present	Board of Directors – Gamma Sigma Delta (Cal Poly Pomona Chapter)
2011	Search Committee Member for Equine Faculty Position, Cal Poly Pomona
2011-2013	Equine Science Curriculum Committee, Cal Poly Pomona
2015	Semester Conversion Equine Extended Course Outlines, Cal Poly Pomona
2016 – 2017	Academic Master Plan Working Group I, Cal Poly Pomona
2017 – 2018	Huntley College of Agriculture Student Success Team, Cal Poly Pomona
2017 – 2020	Institutional Animal Care and Use Committee Member, Cal Poly Pomona
2017 - 2019	Primary Safety Captain – College Building, Cal Poly Pomona
2017 – Present	University Safety Committee, Cal Poly Pomona
2018 – Present	University Radiation Safety Committee, Cal Poly Pomona
2019 – Present	Chemical Hygiene Committee, Cal Poly Pomona
2018 – Present	Equine Handler Coordinator for CPP and external equine seminars/classes
2019 – Present	Animal Safety Committee, Cal Poly Pomona
2021	Search Committee Member, CPP Environmental Health and Safety Chemical Officer Specialist
2021	Search Committee Member, WK Kellogg Arabian Horse Center Breeding Coordinator
2021	CSU Agriculture Safety Committee
2022	Search Committee Member, CPP Administrative Support Coordinator (AVS Department)

OUTREACH ACTIVITIES

1994	California Thoroughbred Breeding Association Symposium
1995	Ag Field Day, Cal Poly Pomona
1996	Equine Booth - - L.A. Fairplex Pet Expo
2000	Wilson High School Internship Program
2000	Moderator for 14 th Annual CSU Student Research Competition
2001	Rendezvous Backcountry Horsemen of California, Presenter
2001-2002	Victor Valley Community College, Equine Tours
2002-2004	Science Educational Enhancement Services, CPP, Equine Tours
2005-2009	CPP Staff Appreciation Day, Arabian Horse Center and Equine Ctr Tour
2008	Achieving Our Mission: Stories of Successful Learning, Cal Poly Pomona
2013	Equine Tour for Timothy White, Chancellor of CSU
2011-2013	Fédération Equestre Internationale, Technician for Drug Testing
2015	Claremont Graduate University, Tour and Presentation
2017	Judge - Extemporaneous Speaking Contest, 2017 Southern Region FFA
2017	American Red Cross, Disaster Relief Associate (Hurricane Irma)

2018	Judge – Prepared Public Speaking Contest, 2018 Southern Region FFA
2019	Rigorous Academic Support Summer Learning Experience (RASSLE)
2020	W.K. Kellogg Arabian Horse Center Tour/Treadmill Demonstration, Huntley College of Agriculture Open House, March 2020
2020	3 rd Annual ARI PI meeting, October 2020, Presentation Fatigue, and factors associated with changes in locomotor control in endurance horses
2021	California State University Farm Safety Webinar, October 2021, Presentation “Ag Farm Training Solution”
2022	W.K. Kellogg Arabian Horse Center Tour/Treadmill Demonstration, Huntley College of Agriculture Open House, April 2022
2022	Moderator, McNair Scholars Preparatory Program Symposium, April 2022
2022	Guest Lecture, Kellogg Honors Program, November 2022
2023	Campus Safety, Health, and Environmental Management Association Symposium, Santa Barbara, California, Presentation on Agriculture Farm Safety, March 2023

Mentorship for students’ projects executed and managed at Cal Poly Pomona

(Student, Year Completed, Thesis or Project title)

1. Samantha Campos, and Jackeline Alvarez (2022-2023), The evaluation of stress properties with the application of Pulsed Electromagnetic Field Therapy on Equine Distal Limb. Learn Through Discovery Projects Hatchery.
2. Hannah Esqueda, Stephanie Inzunza (2022-2023), The Evaluation of Vasodilation with the Application of Pulsed Electromagnetic Field Therapy on the Equine Distal Limb. Learn Through Discovery Projects Hatchery.
3. Maranda Nicole U. Hernandez (2022), Analysis of Successful Completion of Endurance Horses Undergoing the Tevis Cup 160-km Ride from 2016 to 2021. McNair Scholars Preparatory Program.
4. Vivian Huynh (2022), Analysis of Endurance Horses Eliminated During the Tevis cup 160-km Ride from 2016 to 2021. McNair Scholars Preparatory Program.
5. Emma Medina (2022), Historical Data on Mare/Foal Born at the W.K. Kellogg Horse Center. Kellogg Honors College
6. Tammy Peters, Pulse Electro-Magnetic Field Effects on Equine Limbs, (Committee Member)
7. Steve Aguilar (2022), Fatigue and Factors Associated with Changes in Locomotor Control in Horses During a 160-km Endurance Ride, (Committee Member)
8. Kerrissa McDavis (2022), Arabian Mare Placenta Morphology, (Committee Member)
9. Anthony Mora, (2021) Immediate Effects of Grape Pomoace on Horse (*Equus caballus*) Fecal Microbiota and PH.
10. Allison Fisher, (2015) Effects of a Lactate-Guided Conditioning Program in the Horse
11. Krista Page (2014) Biomechanics in Ataxic in Horses
12. Linda Flores (2012) Comparison of Traditional Spay Surgery to Laparoscopic Techniques
13. Melissa Shea, Comparative Biomechanics in Ostrich and Emu (non-completion)
14. John Otten, Limb Forces in Mature Ostriches (non-completion)
15. Esperanza Sandavol (2011) Kinematics in Mature Ostriches

16. Elizabeth Cranston, Trot-Canter Kinematics and Forces in Horses (non-completion)
17. Jose Davila, Pharmacokinetics Of Buscopan, IV vs IM In Horses (non-completion)
18. Amzi Griego Marsh, Lactate Metabolism Post Exercise (non-completion)
19. Yanine Quezada (2010), Altitude Effects on Hematological Parameters in Burros
20. Karen Egan (2009) Limb Stiffness and Fatigue in Endurance Horses (Committee Member)
21. Lisa Coder (2008) Allometry of Cost of Transport in Ostriches
22. Eileen Foate (2006) Efficacy of a Vaccine Against Footwarts
23. Michelle Luo (2005) Effects of Buscopan on Rectal Pressures
24. Priya Bhatt (2005) Risk Factors Preventing Completion of Tevis
25. Christine DeCarlo (2005) Immunomodulatory Effect of Extender in Mares
26. Vanessa Wilkins (2004) Exercise Stress Reduction in Horses Via Herbal Supplement
27. Susie Huber (2004) Quadrupedal Jumping: The Equine Forelimb
28. Abbie Ferris (2004) Equine Forelimb Dynamics During Landing
29. Jessica Schreiber (2004) Fore- And Hind Limb Kinetics in the Horse on Decline
30. Michele Gaffney (2004) Fiber Source Effects in Wild Felid Diets
31. Celeste Foster (2003) Fluid Balance Shifts and Electrolyte Changes in Horses and Mules at Altitude
32. Maureen Hurson (2003) Hematological Responses to High Altitude (3,800 m) in horses and mules
33. Gwen Catterfeld (2003) Deviant Forces at Low Speed Trotting
34. Nicole Dennison (2003) The Stress Response in Horses and Mules to High Altitude
35. Kathleen Johnson (2003) Predicting Separation Anxiety in Humane Shelters
36. Devin Johnsen (2003) An Investigation of the Walk-Trot Transition on the Horse
37. Jennifer Trilk (2003) A Lactate Guided Conditioning Program to Improve Endurance Performance in Horses
38. Greg Myers (2002) The Energetics of the Trot-Canter Transition
39. Tricia Young (2002) Transport Stress and Immune Function at Altitude
40. Kris DeLaPaz (2001) Triceps Function and Preferred Speed
41. Sylvia Magana (2001) *Vastus Lateralis* Function in the Horse
42. Nicole Yamamoto (2000) The Efficacy of an Equine Thermal Blanket
43. Kelly Oliver (1999) Efficacy of a Vaccine Developed for Footwarts in Dairy Cattle
44. Peggy Keng (1999) The Cost of Brief Locomotor Activity: EPOC in *Equus Caballus*
45. Misty Hirschbein (1999) The Effect of Incline on Cost of Transport
46. Monica Molinari (1999) Kinematics of Load-Carrying, Incline and Speed in the Horse
47. Julie Wallin (1999) Altitude & Exercise Effects on Aldosterone, Cortisol and T₄ in Equids
48. Kevin Hall (1999) Oxygen Consumption and Cost of Transport Load Carrying
49. Aldrich, Kiersten (1999) Kinematic Analysis Limb Wraps on Fetlock Motion
50. Frausto, Steve (1998) Effects of Speed and Loading on Kinematics
51. Koch, Allison, (1998) Effect of High Altitude and Exercise on Fluid Balance in Equids
52. Smith, Timothy, (1998) Altitude, But Not Exercise; Increase Erythropoietin in the Horse,
53. McInnes, Elizabeth (1998) An Electrolyte Supplement in Horses
54. Miltenberger, Tricia (1998) Metabolism of Horses at Altitude
55. Anderson, Timothy (1997) Hematology of Horses at Altitude
56. Chamberlain, Aaron (1997) Foot-warts in Dairy Cattle

57. Ghitea, Art (1997) Risk Assessment of Endoparasites
58. Nguyen, Thao (1997) Disuse Atrophy and Muscle Morphology
59. Teh, Steven (1997) Detraining in Two Ground Squirrel Species
60. Tseng, Christine (1997) Hindlimb Suspension in Ground Squirrels
61. Tseng, Taren (1997) Normothermic Detraining in Ground Squirrels
62. Mar, Cindy (1996) Assisted Hatching of Mouse Embryos
63. Khatchadorian, Sandra (1995) Hindlimb Suspension in *S. Lateralis*
64. St. Amand, Karen (1995) Ontogeny of Muscle