Academy of Animal Sport Science

2022-2023 School Catalog

October 1, 2022 to September 30, 2023

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Academy of Animal Sport Science, LLC, Mission and Objectives

Academy of Animal Sport Science (AASS) is an education company dedicated to developing curricula for the licensed professional who is seeking quality education in the field of animal complementary health care science. Our curriculum is based on our flagship Animal Sports Therapy and Rehabilitation (ASTR) Program. The ASRT program consists of four modules, and these modules are taught by renowned veterinarians and specialists who continue to emphasize our established elevated standards. The program is presented with the most advanced information on various topics in an atmosphere geared to a variety of learning styles.

Dr. Carrie Schlachter, Dr. Nicole Rombach and Debranne Pattillo, directors and faculty of AASS, have combined their years of experience in the education industry as well as in the practical clinical work fields to design and present quality programs for licensed professionals. The directors understand what graduates need to succeed in the field of Animal Sports Therapy and Rehabilitation. As such, the program includes practical components to ensure understanding by the participant and to supervise their practical techniques as professionals. The faculty qualifications follow this section.

The Animal Sports Therapy and Rehabilitation (ASTR) Certification is a post-graduate 302-hour program for licensed professionals. The program is offered in four sequential modules. Upon successful completion of all four modules, graduates will have gained experience in all aspects of sports therapy and rehabilitation of large (equine) or small (canine) animals. Eligibility for the ASTR program requires that the participant is a licensed veterinarian, chiropractor, osteopath, McTimoney animal manipulator, animal physical therapist or veterinary technician, all with at least one year experience in the specific species program of their choice.

AASS continues to raise the bar for standards of education in the animal health care field by requiring case studies and extra learning activities, as well as an examination, to complete the modules before earning the ASTR certification. Through this process, students get the feedback they deserve to be the best at what they intend to do. While this infers additional work for both the school and the student, it is essential that participants have access to the advice and direction they need to make them outstanding in their field.

As AASS evolves, more courses and modules will be added for the licensed professional. These will be specifically designed to incorporate new techniques and approaches in the ever-evolving field of animal sport science.

Philosophy:
AASS understands that each student has individual needs. We strive to maintain well-organized onsite classes with an optimal ratio of instructors to students. Lectures are reinforced with practical lab sessions during the onsite module. Audiovisual aids are also shared during the lecture portions. The AASS administrative office is available to each student for any clarification or support required for successful program completion.

AASS intends to enhance this industry and benefits the student by:

- Providing quality modules which can stand alone or be part of an entire program;
- Educating the animal owner about rehabilitation and care to enhance their pets' quality of life;
- Establishing a working protocol with fellow team professionals;
- Identifying areas of research to address current gaps in knowledge, and ensuring that the results of research projects are made available to the community at large;
- Access to a supporting association for students and graduates;
- Assisting in the development and co-ordination of existing resources in continuing education.

We welcome you to participate in our carefully developed program, enjoy our great facilities, and get to know our outstanding instructors. We invite you into the wonderful world of animal sports science!

Academy of Animal Sport Science, LLC ® is approved by the National Certification Board for Therapeutic Massage and Bodywork (NCBTMB) (pending) as a continuing education Approved Provider. Academy of Animal Sport Science, LLC courses are approved and recognized by the International Equine Body Worker Association (www.iebwa.com), UK's McTimoney Chiropractic Association and the Society of Osteopaths in Animal Practice. Graduates completing the ASTR program satisfactorily are automatically eligible for the International Equine Body Worker Association (IEBWA).

Academy of Animal Sport Science, LLC. Faculty

Dr. Carrie Schlachter, VMD, DACVSMR, EEBW, ASTR (LP)

Dr. Carrie's practice focuses on integrative sports medicine, rehabilitation, and behavioral therapy. Happy, healthy horses won't get hurt as easily. She founded and designed Circle Oak Equine Sports Medicine's rehabilitation and fitness programs, and AIM continues that quest for knowledge. Located at Chicken Foot Ranch in Penngrove, CA, AIM is a place for horses.

She is an FEI official delegate in jumpers and is board-certified by the American College of Veterinary Sports Medicine and Rehabilitation. Dr. Carrie serves on the ACVSMR's examination committee and the American Association of Equine Practitioners Scientific Review & Editorial Committee.

Dr. Schlachter also enjoys teaching for Equinology and its associates worldwide and lecturing on sports medicine, rehabilitation, and digital diagnostic imaging. With her partners, Dr. Nicole Rombach and Debranne Pattillo, she has started the Academy of Animal Sport Science (www.academyofanimalsportscience.com), which offers an equine rehabilitation certificate program for licensed professionals and veterinarians.

Summary of Qualifications:
• 12 years of clinical experience in sports medicine and rehabilitation
• Medical Director of one of the country's leading equine rehabilitation centers, averaging 40 patients in residence.
• Develop and provide regular, substantive educational presentations for horse owners and professionals.
• Speaker on rehabilitation & imaging topics both in the US and abroad
• **Instructor** of ultrasound skills and other sports medicine topics in the US and abroad
• Chiropractic and Acupuncture certified; taken multiple ISELP and Vet Imaging courses
• Author of chapter on equine rehabilitation for equine bodywork textbook; contributor to national magazines

Professional Experience
Animals in Motion, Penngrove, CA- Practice Owner (October 2019-present)
• Sole practitioner, specialty sports medicine practice (100% of caseload).
• Focus on diagnosis and treatment of poor performance and difficult-to-locate lameness.
• Expertise in digital ultrasound and radiography.
• Manage rehabilitation cases, including controlled exercise, hydrotherapy, pain modulation, regenerative medicine treatments, shock wave, etc.
• Educate and train veterinary extern students from around the world.

Circle Oak Equine Sports Medicine, Petaluma, CA -Practice Owner (May 2010 -October 2019)
• Sole practitioner, specialty sports medicine practice (100% of caseload).
• Focus on diagnosis and treatment of poor performance and difficult-to-locate lameness.
• Expertise in digital ultrasound and radiography.
• Manage 100's of rehabilitation cases, including controlled exercise, hydrotherapy, pain modulation, regenerative medicine treatments, shock wave, etc.
• Educate and train veterinary extern students from around the world.
• Mentored shadowing veterinarians in sports medicine and rehabilitation program design and management.

Circle Oak Equine Rehabilitation, Petaluma, CA -Medical Director (May 2010 -present)
• Plan and oversee the rehabilitation and care of all horses at the 50-stall facility.
• Developed rehabilitation protocols for multiple injuries and fitness concerns, incorporating underwater treadmill, cold spa, vibe-plate, weight belts, pain modulation, rehabilitative riding, and free-flow exerciser.
• Assist in directing the growth of the rehabilitation business through marketing and educational opportunities for the professional and lay equine community
• Develop and write a quarterly newsletter focused on sports medicine and rehabilitation
• Train and daily supervise interns and veterinary technicians and provide monthly educational presentations

Pan-American Games, Guadalajara, MX -Dedicated imaging specialist (October 2011)

• Performed all of the ultrasound exams for the games and helped team vets assess their patients' ability to compete (over 20 exams done).

Animals In Motion, Petaluma, CA -Practice Owner (October 2008 -May 2010)
• Mobile referral sports medicine practice specializing in performance problems, lameness exams, diagnostic imaging, chiropractic, and acupuncture (100% of caseload).
• Worked with multiple referral centers for additional diagnostics.
• Managed referral soft tissue and bony rehabilitation cases, including controlled exercise, pain modulation, regenerative medicine, hydrotherapy, and shock wave.

Artaurus Veterinary Practice, Petaluma, CA -Associate Veterinarian (July 2001 -October 2008)
• Full-time associate in >80% show horse practice in Northern California. Clientele included hunter-jumpers, dressage, endurance, 3-day eventing. Responsible for ambulatory and in-house case management.
• Doubled practice size within one year of arrival.
• Primary vet for lameness exams and digital diagnostics
• Managed all soft tissue and bony rehabilitation cases from 2001 onward.

University of California, Davis -Large Animal Clinical External Advisory Board, Davis, CA (2002-2005)
• Determined ways to improve communication between referring veterinarians and university
• Multiple continuing education opportunities

PRESENTATIONS & TEACHING
Course of Sports Medicine, Diagnosis and Treatment in Equines, Invited Speaker and Instructor
Universidad Nacional Autonoma de Mexico Facultad de Medicina Veterinaria y Zootecnia,
Mexico City, MX (February 2014)
• Seven lectures and two labs on Ultrasound imaging, diagnosis, and rehabilitation techniques

Ultrasound Visualization & Beyond Symposium -Invited Speaker, Nashville, TN (December 2013)
• The Use of Ultrasound in Rehabilitation

Vet Imaging Ultrasound Wet Lab(s) -Instructor -AAEP (2013, 2011)
• Instructed veterinarians on the use of ultrasound in the distal extremity and neck

International Equine Veterinary Conference -Instructor -Guadalajara, MX (May 2013)
• Primary Instructor in Ultrasound techniques -focus on lower leg and stifle
• Demonstrator US guided injection techniques

University of California, Davis -Biomechanics class -– Instructor – Petaluma, CA (May 2013)
• Taught one day class on equine lameness -how to diagnose and treat it

University of California, Davis -Veterinary Holistic Seminar -Invited Speaker – Davis, CA (April 2013)
• Spoke about Rehabilitative techniques

Circle Oak Annual Equine Health Fair -Facilitator & Presenter -Petaluma, CA (2013, 2012, 2011)
• Educational day-long signature event centered on equine sports medicine and rehabilitation with international speakers and presenters.
• Originated concept, designed program, sourced speakers and demonstrators, and presented at the fair.
• Topics ranged from anatomy, biomechanics, and regenerative medicine to fitness, conditioning, and injury rehabilitation techniques.
• 25 presenters and lecturers, 15 sponsors, and over 400 attendees.

The Horse Course & The Horse Course Advanced-Instructor -Petaluma, CA (2013, 2012)
• Educational classes for the equine community -focus on competition horses and their physical concerns.

University of California, Davis Veterinary School -Invited Lecturer -Davis, CA (Oct. 2012)
• 'Lunchtime' Lecture on the use of hydrotherapy in rehabilitation protocols for soft tissue injuries

Symposium on Straightness and Balance -Facilitator -Petaluma, CA (2012)
• Hosted clinic featuring Colonel Christian Carde and Kerry Ridgway, DVM
• >150 paid attendees from the US, Canada, and Australia

Equinology courses -Facilitator -Petaluma, CA (2012, 2013)
• Clinical Reasoning for Equine Health Care Professionals addressing the Musculoskeletal System, with Kerry Ridgway, DVM, Narelle Stubbs, PT B.APP. SCPT MANST, Nicole Rombach, APM, MEEBW, CBW, MSC, PhD
• Principles of Saddle Fitting and Shoeing Dynamics, with Kerry Ridgway, DVM

College of Marin – Instructor -The Horse Course -Ross, CA (2001-2006)
• Instructor of course in general horse health care.

EDUCATION
International Veterinary Acupuncture Society Certification -San Diego, CA (2008)
• Course in Veterinary Acupuncture and Chinese Medicine.

Options for Animals-College of Animal Chiropractic -Kansas City, KS (2006)

• Animal Chiropractic Certification
• Advanced course in Sacroiliac and Cranial Sacral therapy (2007)

University of Pennsylvania, Philadelphia, PA, Veterinariae Medicinae Doctoris (2001)
• Charles F. Reid Clinical Excellence Award in Sports Medicine and Imaging for the outstanding graduate in that discipline.
• George M. Palmer Prize for promise in equine practice.

Pomona College, Claremont, CA, Bachelor of Arts (1994)
• Major in Anthropology

CONTINUING EDUCATION
AAEP annual meetings (2008, 2009, 2011, 2012, 2013)
• Sports medicine lectures/ Table topics and Ultrasound wet labs.
Vet-Imaging Ultrasound Courses (2008-2013)
• Neck & Back -Pelvis & Sacroiliac -Shoulder & Elbow -Distal pastern & Foot -Carpus & MC3 -Tarsus & Proximal MT3 -Ultrasound and MRI of Equine distal limb
• Advanced Lameness Clinical Exam and Diagnostics Seminar
International Society Equine Locomotor Pathology (ISELP) Courses (2008, 2012, 2013)
• Tarsus and Proximal MT3 -Distal Limb -Shoulder & Elbow
NAVRMA -Regenerative Medicine Conference -Savannah, GA (Nov. 2012)
Equinology course -Equine Dissection, Spine and Pelvis -MSU, Michigan (Oct. 2012)
FEI Course -Permitted Treating Veterinarian, Certified -San Antonio, TX (2012)
Charles Heumphreus Memorial Lectures and Labs – Davis, CA (2011, 2012)
• Lectures and labs focusing on the distal limb and farriery. NAVRMA – Regenerative Medicine Conference-Los Olivos, CA (2010)
• Regenerative medicine and stem cell therapy for veterinary scientists and medical personnel.
Equinology course -Equine Biomechanics, Gait Abnormalities and Lameness -Petaluma, CA (2007)
• Taught by Hilary Clayton, DVM.
Santa Anita Equine Ultrasound Symposium -Santa Anita, CA (2005)
• Course in Equine Diagnostic Ultrasound
Western Veterinary Conference -Las Vegas, NV (2004)
• Equine track
Alamo Pintado Equine Medical Center Veterinary Symposium, Los Olivos, CA (2003)
• Equine Medicine, Podiatry, Anesthesia, Ultrasonography, Lameness, Surgery, Nutrition.

PUBLICATIONS
'Anatomy of Equine Massage: The Equinology Approach,' by Debranne Pattillo – Contributing Author (2013)
• Chapter on Equine Rehabilitation
The Horse Magazine – (July, September, and October 2013 issues)
• Interviewed for multiple articles on leg protection, lower leg, and upper body lameness
EQUUS magazine -(2011 multiple issues)

• Interviewed for multiple articles on sports medicine, including regenerative medicine and rehabilitation.
Ride Magazine –Veterinary advice column (2005-2009)
• Bimonthly veterinary column on all topics.
'Bringing up Baby Jazz,' by Charles Wilhelm – Contributing Author (2006)
• Chapter on pre-purchasing a young horse.

Dr. Nicole Rombach, APM (ITEC), PG AM, ASTR (LP), MEEBW, CCBW, MSc., PhD

Nicole is the founder and President of Equinenergy Ltd. and Caninenergy Ltd, United Kingdom-based educational institutions that offer a variety of recognised certification courses in equine and canine complementary healthcare science.
Nicole qualified as an Equinology Master Equine Body Worker (MEEBW) in 1999, and gained the post-graduate Diploma (2003) and MSc. (2009) in Animal Manipulation from the McTimoney College of Chiropractic/University of Wales, United Kingdom. In 2013 she graduated with a PhD from the Department of Large Animal Clinical Sciences in the College of Veterinary Medicine at Michigan State University, Michigan, USA. The focus of her doctoral research was on the structural basis of equine neck pain, from the perspectives of neuromotor control, pathology and equine behaviour.
Nicole regularly lectures internationally for universities and professional institutions, where she is invited to teach courses on equine spinal dysfunction and movement retraining from a neuroscience perspective. She also travels internationally to work in direct veterinary liaison with her regular clientele of horses, dogs and human patients. She is the chief instructor and examiner for Neurokinetic Therapy (NKT) Equine and Canine worldwide.
Nicole is currently based in California, USA, where she collaborates in course development for Equinology, Inc., and in clinical case evaluations with Team Equinology Elite Sports Performance. In her private sports therapy practice she works in direct veterinary liaison with equine and canine clients, as well as providing sports therapy for riders. In her spare time, Nicole competes with her own horse. She holds state and national amateur titles in dressage and showjumping in Brazil.
Nicole is an FEI Permitted Equine Therapist (PET)
Nicole's subject of research was neuromotor control in equine spinal dysfunction, and this qualifies her ideally to teach the subjects of equine anatomy, spinal dysfunction and movement retraining from a neuroscience perspective.

Dr. Nicole Rombach will be presenting the following lectures and course material for the following:
Equine anatomy dissection axial Part A
Equine anatomy dissection axial Part B
Equine Anatomy Dissection Thoracic Appendicular
Equine Anatomy Dissection Pelvic Appendicular
Spinal dysfunctional anatomy
Rehabilitation of equine spinal pathologies
Equine spinal assessment
Proprioceptive facilitation
Equine Manual Therapies I

Equine Manual Therapies III
Module III: Onsite 6 day Practical and Labs

NICOLE ROMBACH
CURRICULUM VITAE
email: office@equinenergy.com

EMPLOYMENT
1999 – present
(Full-time 1999-2003)
President and CEO of Equinenergy Ltd. and Caninenergy Ltd. (United Kingdom)
Key duties:

- Foundation, management, operational co-ordination and staff development for companies specialising in equine and canine complementary healthcare science education
- Liaison with Writtle College, Essex and University of Essex, United Kingdom, to develop and implement a joint Equine Sports Therapy programme from undergraduate to post-graduate level
- Interviewing and appointment of of clinicians for various specialised subjects from a national and international pool of suitable candidates
- Marketing of educational programmes to potential students through various forms of media, on national and international levels
- Liaison with professional institutions to promote curricula within a variety of educational environments, on a national and international basis
- Student assessment of practical and theoretical portions of set externships leading to various levels of certification

1998 - present

- Equine sports therapy work in various locations throughout United Kingdom, northern Europe and South America (in USA: from September 2013). Therapeutic techniques used: spinal manipulation/chiropractic techniques, sports massage, CranioSacral techniques, myofascial release, acupressure and relevant rehabilitation techniques with specific emphasis on movement retraining with spinal dysfunction. Treatments with veterinary liaison at client home base and competitions.

- Working alongside veterinarians and fellow professionals to solve performance issues in sports horses of various athletic disciplines from novice to Olympic level. Design of case-specific rehabilitation and conditioning programmes for horses participating in various equestrian disciplines. Particular interest in biomechanical evaluation of sport horses using visual observation and videographic and computerised gait assessment.

2009 – 2013
College of Veterinary Medicine, Michigan State University
Lecturing to students in College of Veterinary Medicine on subjects including applied equine anatomy, clinical performance assessment from a therapeutic perspective, rehabilitation techniques, saddle fitting, thermographic imaging.
Participation in data collections for research projects at Mary Anne McPhail Equine Performance Center.

EDUCATION
1983 – 1986 Benoni High School, Benoni, South Africa
Field of studies: Humanities.
Distinction: Mathematics
1987 – 1989 University of Johannesburg, Johannesburg, South Africa
ND Tourism
Distinction: Tourist Techniques; French
1995 – 1996 Institute of Linguists, London, United Kingdom
Modules in Diploma of Translation (Dutch and German)
1997 International Therapy Examination Council (ITEC), United Kingdom
Diploma in human Anatomy, Physiology, Massage (Merit)
1997 Equinology, Inc., California, United States of America
Equine Body Worker (EEBW) certification
1999 Equinology, Inc., California, United States of America
Master Equine Body Worker (MEEBW) certification
2002–2003 Mc Timoney College of Chiropractic/ University of Wales, United Kingdom
Post-graduate diploma in Animal Manipulation
2009 Mc Timoney College of Chiropractic/ University of Wales, United Kingdom
Master of Science in Animal Manipulation
2013 College of Veterinary Medicine/McPhail Equine Performance Center, Michigan State University, USA
PhD
Thesis title: The structural basis of equine neck pain
Course majors subjects (Department of Kinesiology, Michigan State University)

- Neuromuscular response to training
- Advanced clinical evaluation and treatment of athletes
- Rehabilitation techniques for musculoskeletal dysfunction

INVITED LECTURER AND/OR SPEAKER:

2003 – Rio de Janeiro, Brazil
IV South American Veterinary Conference
'Equine Sports Massage'; 'Sports Massage and Range of Motion Techniques for Various Equine Musculoskeletal Disorders'; 'Practical Application of Equine Sports Massage and Range of Motion Techniques'
2004 – Sao Paulo, Brazil
Universidade de Sao Paulo (USP) - Faculty of Veterinary Medicine
'Complementary Therapies for the Horse'
2004 – Rio de Janeiro, Brazil
V South American Veterinary Conference
Presentation: 'Efficacy of equine osteopathic treatment as assessed through thermographic imaging and motion observation'
2004 – Oslo, Norway
Conference on Equine Sports Medicine and Science (CESMAS) – **submitted abstract**
Presentation: 'Efficacy of equine osteopathic treatment as assessed through thermographic imaging and motion observation'
2005 – Sao Paulo, Brazil
Federal University (FMU) – Faculty of Veterinary Medicine
'Sports Massage and Spinal Manipulation for Small and Large Animals'
2007 – Sao Paulo, Brazil
University of Botucatu – Faculty of Veterinary Medicine/ Instituto 'Bioethicus'
'Equine stretching and rehabilitative therapies' for veterinarians and students of veterinary medicine
2007 – Sao Paulo State, Brazil
University of Botucatu – Faculty of Veterinary Medicine
Invited lecturer: post-graduate Diploma in Veterinary Physiotherapy
'Sports Massage and Spinal Manipulation for Small and Large Animals'
2008 – various course locations - Brazil
University of Botucatu – Faculty of Veterinary Medicine/Instituto 'Bioethicus'
Invited lecturer: post-graduate Diploma in Veterinary Physiotherapy
'Review of Equine Anatomy as relevant to Physical Therapy'
2008 – various course locations - Brazil
Instituto 'Bioethicus'
Invited lecturer: post-graduate Diploma in Veterinary Physiotherapy
'Equine Sports Massage, Stretching and Range of Motion Techniques'
2008 – Brasilia and Rio de Janeiro, Brazil
Brazilian Army – Cavalry Division – veterinary and training departments
Official course in Equine Stretching and Range of Motion techniques
2009 – Sao Paulo - Brazil
Instituto 'Bioethicus'
Invited lecturer: post-graduate Diploma in Veterinary Physiotherapy
'Review of Equine Anatomy'; 'Equine Sports Massage, Stretching and Range of Motion Techniques'
2010 – Brasilia, Brazil
Equestrian Symposium SIMPEQ 2010
Invited speaker: Chiropractic and Complementary Therapies for the Equine Athlete

2010 – Auburn, Alabama, USA
6th Symposium: International Association for Veterinary Rehabilitation and Physical Therapy (IAVRPT)
Poster presentation: 'The effect of elite level showjumping on equine distal limbs as assessed through infrared thermographic imaging'
2011 – Sao Paulo, Brazil
1st 'BIOMEQ' course: Equine Biomechanics, Applied Anatomy and Rehabilitation
2012 - Chester, United Kingdom
ICEEP "Winning Ways" conference (keynote speaker) – Neuromotor control in equine neck pain and rehabilitation
2012 - Vienna, Austria
7th international conference: International Association of Veterinary Rehabilitation and Physical Therapy (keynote speaker) - Equine neck pain; Neuromotor control concepts in equine rehabilitation
2013 – London, United Kingdom
Royal Veterinary College: CPD: Equine Back Pain
2013 – Cascais, Portugal
International Veterinary Chiropractic Association Annual Conference (keynote speaker): The myofascial system: the role of the muscular connective tissue in equine and canine neck and back dysfunction.
2014 – Northamptonshire, United Kingdom
ACPAT (Association of Chartered Physiotherapists in Animal Practice): Equine Spinal Dysfunction: Functional Anatomy, Mobilisation Techniques & Movement Retraining.
2014 – 9th International Conference on Equine Exercise Physiology (ICEEP), Chester, United Kingdom
Scientific research presentations: 'Cross-sectional area measurement of cervical spinal muscles'; 'Intra- and inter-operator reliability and repeatability of muscle measurement via ultrasonography in the equine cervical spine'.
2014 – British Equine Veterinary Association (BEVA) Congress, Birmingham, United Kingdom Invited speaker (CAT reviews) and scientific research presentation: 'The prevalence of osseous pathology in the articular process articulations of the equine cervical and cranial thoracic spine'.
2015 -São Paulo, Brazil Ortho-Pets Brazil & South America: I Curso Internacional Teórico-Prático de Tecnicas de Mobilizaçao Articular, Manipulaçao Miofascial e Alongamentos. (1st International course in theory/practical techniques of canine spinal mobilization, myofascial release and stretching)
2015 – Essex, United Kingdom
ACPAT (Association of Chartered Physiotherapists in Animal Practice): Equine Spinal Dysfunction: Functional Anatomy, Mobilisation Techniques & Movement Retraining.
2015 – Warwickshire, United Kingdom
2015 National Association of Veterinary Physiotherapists (NAVP) Conference (keynote speaker): Equine Spinal Dysfunction and Core Strength Conditioning.

THERMOGRAPHIC IMAGING

Official thermographer at veterinary inspections of qualifying competitions for the Brazilian showjumping team for the 2007 PanAmerican Games – upon invitation by the veterinary delegation of the Brazilian Equestrian Confederation.

PROFESSIONAL MEMBERSHIPS

International Equine Body Worker Association (IEBWA)

Co-founder (2003) and Chair 2003-present

Holder of full indemnity insurance policies for human, equine and canine treatments (worldwide cover)

PUBLICATIONS

Rombach N (2004) The efficacy of equine osteopathic treatment for suspected lower back pain as assessed through motion evaluation and infrared thermographic imaging. In: The elite race and endurance horse – Conference on Equine Sports Medicine And Science. Ed: Lindner. Lensing Druck, Dortmund, Germany.

Rombach N, Heleski C, Stubbs N, Clayton H (2012) A pilot study to develop an ethogram for assisting in the identification of equine neck pain during manual clinical assessment. 8th International Equitation Science Conference, Edinburgh, Scotland, 8, 68.

Rombach N, Stubbs N, Clayton HM (2014) Gross anatomy of the deep perivertebral musculature in horses. American Journal of Veterinary Research, 71(5), 433-440.

Rombach N, Stubbs N, Clayton HM (2014) Prevalence of osseous pathology in the articular process articulations in the equine cervical and cranial thoracic vertebrae. Equine Veterinary Journal, 46, S47, 10.

Rombach N, Pease A, Stubbs N (2014) Cross-sectional area measurement of cervical spinal muscles. Equine Veterinary Journal (Supplement S46), 46, 54.

Rombach N, Stubbs N (2014) Intra-operator and inter-operator reliability and repeatability of muscle measurement via ultrasonography in the equine cervical spine. Equine Veterinary Journal (Supplement 46), 46, 54-55.

Simons V, Weller R, Stubbs N, **Rombach N**, Pfau T (2015) Objective assessment of back kinematics and movement symmetry in horses: effect of elastic resistance band training. Equine Veterinary Journal (Supplement S48), 11.

BOOK CHAPTER

Rombach N, Peters D (2014) Current Therapy in Equine Medicine, Volume 7 (Eds. Robinson and Sprayberry). Chapter 23: Neck pain and stiffness. Elsevier Publishing, Philadelphia, USA.

LANGUAGES

- Fluent English, Dutch, Portuguese, German, French, Afrikaans
- Conversational Spanish

INTERESTS

Competitive showjumping and dressage – holder of state and national amateur titles (Brazil)

Debranne Pattillo, MEEBW, (hon)MSc., ASTR

Debranne Pattillo is the founder and President of Equinology® and Caninology, a parent company based in the USA. Her school has been in operation since 1994 and boasts an A list of lecturers and instructors. She has personally formatted much of the curricula

of the equine and canine science and complementary courses by outlining courses and scouting top individuals to present the material.
She is the sole owner of Equi-Ink Publication, a companythat launched in 2018 which produces elite educational material for the serious student. Her long-awaited book: Anatomy of Equine Bodywork: The Equinology Approach is now available in print now. The book spans many years of experiences and offers contributions from leading veterinarians and specialists.
In her spare time she has an equine clientele composed of mostly Dressage, Jumpers and Hunter competitors that she enjoys offering equine bodywork too. Debranne prefers to work as a team member in the role of Equine Body Worker.
Debranne is qualified as a Master Equine Body Worker and holds numerous certifications in various other modalities. She was previously state certified and authorized as an instructor in equine massage, therapeutic massage, equine science, equine management, and anatomy. Certificate number: NHAK-59WLYX2002.
Debranne Pattillo is globally recognized for her expertise in the field of equine anatomy and equine body work, and this makes her the ideal candidate to lecture on the subject of anatomy and manual therapies in the field of equine rehabilitation and sports medicine.

Debranne Pattillo will be presenting the following lectures and course material for the following:
Equine anatomy dissection axial Part A
Equine anatomy dissection axial Part B
Equine Anatomy Dissection Thoracic Appendicular
Equine Anatomy Dissection Pelvic Appendicular
Equine Manual Therapies I
Case history management/record keeping
Module III: Onsite 6 day Practical and Labs

Debranne Pattillo

PROFILE
President and founder of Equinology, INC, and Caninology; educational corporations dedicated to providing quality and innovative instruction in animal health care science and complementary modalities. These companies offer 40 courses internationally presented by leading professionals in their respective fields.

Internationally recognized lecturer and clinician in equine sports massage, advanced equine sports massage techniques, stretching and intensive anatomy courses for equine health care professionals. Since 1994, lead instructor for more than 90 courses in equine sports massage courses.

Author and facilitator of the unique Equinology® Equine Body Worker Certification Course (equine sports massage and bodywork), the signature course for Equinology, Inc.

Organizer and coordinator of the ancillary courses offered by Equinology, INC and Caninology to provide continued education of graduate Equine and Canine Body Workers worldwide. Duties include approving programs for use in the company which involves formatting the courses for delivery to the participant, selection of instructors, compiling syllabi for course use, promoting the courses through various forms of media publication and collaborating with medical illustrators and specialists for course manual design.

Co-founder and past Chair of the United States division of the International Equine Body Worker Association (IEBWA); a leading international association that aims to support and foster equine body work practices and ethics. Currently the Division Head of the IEBWA for USA, Australia and New Zealand.

Previous state certified and authorized instructor in equine massage, therapeutic massage, equine science, equine management and anatomy. Certificate number: NHAK-59WLYX2002

EXPERIENCE

1994- Present: CEO, CAO Equinology, INC, and Caninology, Napa, CA USA:

Lead instructor: Equinology's Equine Body Worker Certification Course, Advanced Equine Body Work Techniques, Stretching the Equine Athlete, Equine Anatomy Clay Discovery Workshop and the Equine Anatomy Precourse Study Course. Currently chief tester for the three levels of Equine Body Worker certification. Students include veterinarians, physical therapists, chiropractors, osteopaths, equine and human massage therapists, trainers and owners.

Invited lecturer and guest speaker: demonstrations and lectures in anatomy, stretching and massage at colleges, universities, private educational institution and various equestrian facilities and venues.

Circle Oak Equine Medicine and Rehabilitation Center, California. Featured presenter for the Equine Health Care Fair. 2011-2013

La Mancha Equiestrian Center, Melbourne, Australia. Video work with Manolo Mendez. 2012, 2014, 2015

Santa Rosa Junior College, Santa Rosa, California. Invited lecturer: 'Equine Bodywork and Gait Assessment', Fall semesters: 1998-2007

McTimoney College of Chiropractic, United Kingdom (invited CPD lecturer) on Soft Tissue Release for Chiropractors- June 2006

Acupressure conference sponsored by Bioscan, Montana, USA. Co-lecture with Dr. Regan Golob: 'Equine Assessments'- June 1999

Acupressure conference sponsored by Bioscan, Montana, USA: invited speaker: 'Equine Anatomy'- June 1999

Media features: featured in international media publications including:
- United Kingdom: Horse and Hound, Practical Horseman and Horse and Rider
- Australia: Endurance Magazine and Hoofbeats
- United States: Horse and Rider, Ride!, Riding Magazine and Holistic Horse
- New Zealand: Horse and Pony

Additionally featured in various regional newspapers as well as on web sites.
Showcased in United Kingdom's BBC television program Countryfile.

Video feature: showcased therapist in the video "Stretching for the Equine Athlete."
Currently producing videos on equine massage and intensive equine anatomy through Equinology, Inc. for commercial publication.
Numerous videos for equine health care professionals and for general public education.

Author and Freelance writer:
- Author: Anatomy of Equine Bodywork: The Equinology Approach; Equi-ink Publications 2018
- Author of course manuals; Progressive Equine Anatomy, Equine Anatomy Precourse Study Guide, Equine Stretching, Equine Body Worker (EBW) Certification course, Advanced Equine Massage Techniques, EBW Review course and Advanced Equine Massage Techniques Review course.
- Author of numerous articles in various newspapers and magazines
- United Kingdom: Horse and Rider magazine
- Australia: Endurance Magazine and Hoofbeats magazines
- United States: Horse and Rider and Holistic Horse magazine, Animal Wellness Network website, and Equest Magazine website
- New Zealand: Horse and Pony magazine

2003 – present:
Board of Directors, International Equine Body Worker Association
Current function: Division Head.
Representation of Equine Body Worker profession to general public, fellow professionals, veterinary boards and educational institutions. Guidance and decision-making pertaining to all aspects of association aims and interests. Leading of committee members, specifically with reference to development of areas of research with an emphasis on the effects and benefits of equine complementary healthcare therapies.

1992 - present: Master Equinology Equine Body Worker:
Certified as an Equine Sports Massage Therapist and Master Equine Body Worker (1998). Equine Body Worker to riders and owners in various disciplines such as dressage, cutting, jumping, hunter jumping, racing, endurance and English and Western pleasure. Clientele includes horses owned and trained by prominent dressage and jumping professionals. Appointed therapist to the 1996 Australian Endurance Team and therapist to high point champions in various disciplines.

1990 - 1993: Owner: Annapolis Ridge Farm Feed & Tack Store, Gualala, CA:

Overall responsibility for activities involved in general management of a successful feed and tack store, such as purchasing, sales, marketing and management. The store was sold at a profit in 1993 to dedicate more time to lecturing and therapy activities.

1986 - 1994: Owner: Annapolis Ridge Farm: Annapolis, CA:
Development and design of a 40-acre ranch for the purpose of lay-up and rehabilitation of sport and race horses as well as boarding and training. Specific emphasis on incorporation of equine body work in rehabilitation cases.

Competed in dressage until 1993 and rode regularly until 1999, participating in lessons and clinics.

1986 -1986: Manager: Sea Ranch Equestrian Center: Sea Ranch, CA:
Management of day to day activities of a private facility. Teaching of private lessons and restructuring of the entire facility program to a more lucrative format. Training of an assistant manager to assume responsibilities enabling a smooth transition upon departure.
Concurrently: active practice as an equine body worker.

1983 - 1986: General manager: Funston Ranch: Healdsburg, CA:
Management of day to day activities of a private farm. Responsibilities included cattle and horse management in all aspects of care, training the owner's horses and provision of riding lessons for the family.
Concurrently: start of active practice as an equine body worker.

1980 -1994: Artist: Artglass by Debranne:
Designer and artist in the glass medium. Creation of stained glass and sand carved windows for custom homes and restaurants. Private tuition to individuals in stained glass creation.

EDUCATION AND CERTIFICATIONS
Listed below are courses attended to complement and enhance current occupation. In addition to classroom theory hours, hundreds of additional hours have been spent assisting and learning under various instructors and doctors in health care and riding instruction. Hours listed are instructor contact hours: most courses required case studies and externships following course completion.

Anatomy in Clay; Equine Core Data Course w/Jon Zahourek. (3 7-day courses)
Acupressure Convention - w/ Dr. Caine, DVM & Dr. D. Giniaux, MV,
CESMAS (Conference on Equine Sports Medicine and Science)- Saumur (2002) and Oslo (2004),
Conformation clinics including Sporthorse Judging -Glen Ellen, CA
Diagnosing Back & Tendon Issues - Dr. JM Denoix, MV and Dr K. Allen, DVM, 16 hours,
Diagnosis of Poor Performance - Dr. A. Couroucé-Malblanc, MV and Dr. E. Hammer, MV,

Dr. Desmond Greaves -Maryborough, Australia-mentor in complementary equine modalities
Equiken; Anatomy in Clay by Zahourek Systems Anatomy with Cynthia Cristi-4 sessions, 160 hours,
Equine Acupressure - Dr Peggy Fleming, DVM-1 session, 72 hours,
Equine Acupressure -Dr Kerry Ridgway, DVM-1 session, 72 hours,
Equine Acupressure -Susan Tenney, CMT, EBW-2 sessions, 80 hours,
Equine Biomechanics & Applied Anatomy -Deb Bennett-1 session, 16 hours,
Equine Biomechanics -Barb Crabbe, DVM-3 sessions, 120 hours,
Equine Biomechanics -Dr. Hilary Clayton-2 sessions, 56 hours,
Equine Biomechanics, Lameness and Gait Abnormalities-Dr. Carrie Schlachter-2 sessions,64 hours,
Equine CranioSacral Techniques I by Upledger Institute USA-1 session, 24 hours,
Equine Dentistry - Dr Mitch Benson, DVM-2 sessions, 16 hours,
Equine Dissection- Dr. Narelle Stubbs and Nicole Rombach- 2 sessions 52 hours,
Equine Dissection (Head & Neck)-Dr. Deb Bennett, PhD - 1 session, 24 hours ,
Equine Dissection - Dr. Deb Bennett, PhD -2 sessions, 80 hours,
Equine Exercise Physiology - Dr. Hilary Clayton, DVM- 2 sessions, 64 hours,
Equine Lameness - Dr. Michael Ross, DVM-1 session, 6 hours,
Equine Locomotion Conference - Michigan State University (2005),
Equine Myofascial Release -Ruth Golladay, CMT, ESMT, PT - 2 sessions, 80 hours,
Equine Nervous System & Function -Chris Pasquini, DVM-1 session, 40 hours,
Equine Nutrition - Dr. Carey A Williams, PhD -1 session, 24 hours,
Equine Nutrition -Dr Robert Bray, Phd -2 sessions, 48 hours,
Equine Postural Release - Zarna Carter- 1 session, 14 hours,
Equine Sports Medicine & Science - Dr. Steven Wickler, DVM- 1 session, 32 hours,
Essential Oils - Catherine Bird- 1 session, 24 hours,
Farrier Science and the Current Trends -Patrick Reilly- 2 sessions, 32 hours,
Gait Abnormalities -Dr Bob Norrie, DVM- 3 sessions, 72 hours,
Hands on Horse Care- Diana Thompson,
Horse Handling Skills for the Equinology® Equine Body Worker- Terry Church- 2 sessions, 48 hours,
Horse Handling Skills for the Equinology® Equine Body Worker Tina Hutton- 1 session, 24 hours,
Master Equinology® Equine Body Worker certification Equinology, Inc.,
Monitoring of Health and Performance in Sports Horses - Dr. Anne Couroucé-Malblanc and DrA. Lindholm, MV,
Physical Therapy & Stretching -Nancy Spencer CFI, 2 sessions, 48 hours,
Principles of Farrier Science -Ed Laney, California-2 sessions, 48 hours,
Principles of Farrier Science -Stuart Greenberg-college semester, 3 units,
Reiki Level One certification -QLD Australia
Saddle Fitting - Dr Kerry Ridgway, DVM- 3 sessions, 72 hours,
Saddle Fitting -Andrew Foster, England-seminar,
TTEAM - Linda Tellington Jones-seminar,

Ultrasonography of Equine Articulations - Dr Jean-Marie Denoix, MV

OTHER IMPORTANT FACTS ABOUT ACADEMY OF ANIMAL SPORT SCIENCE, LLC.

Academy of Animal Sport Science, LLC, is a private postsecondary institution approved to operate by the Bureau for Private Postsecondary Education (BPPE). Approval to operate means compliance with state standards as set forth in the CEC and 5, CCR. An institution may not imply that the Bureau endorses programs, or that Bureau approval means the institution exceeds minimum state standards.

As a prospective student, you are encouraged to review this catalog before signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you before signing an enrollment agreement.

LOCATIONS FOR INSTRUCTION

AASS provides instruction through the internet via distance study as well as one physical location in California.
In California, the residential Module 3: 55-hour Residential Lectures and Web Labs (onsite portion) is at appropriate onsite facilities in Northern CA. Additional locations are planned for future presentation.

ENGLISH AS A SECOND LANGUAGE INSTRUCTION

Academy of Animal Sport Science does not offer English as a Second Language instruction. It does not offer English language services of any kind.

OFFICIAL LANGUAGE OF INSTRUCTION AND LANGUAGE PROFICIENCY

The official language of instruction at Academy of Animal Sport Science is English. All recruitment, instruction and learning materials are in the English language. Perhaps a prospective student may inquire whether there are instructors or instructional materials in another language. On such occasions, the school will require passage with documentation of a satisfactory test score of at least 500 of a Test of English as a Foreign Language (TOEFL). No instruction, learning materials or school publications such as the enrollment agreement or catalog will be made available to prospective students who do not exhibit a clear and, in some cases, documented comprehension and use of the English language.

BANKRUPTCY HISTORY

Academy of Animal Sport Science does not have a pending petition in bankruptcy, and is not operating as a debtor in possession, has not filed a petition within the preceding five years, or has not had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under Chapter 11 of the United States Bankruptcy Code (11 U.S.C. Sec. 1101 et seq.).

I-20 VISAS

This institution is not approved by the U.S. Immigration and Customs Enforcement (ICE) to participate in the Student and Exchange Visitor Program (SEVP) and is not authorized to issue I-20 visas. Therefore this institution cannot accept applications from students from abroad who are on an F-1 or M-1 visa. This institution does not offer any visa services and will not vouch for a student status.

EXPERIENTIAL CREDIT

Academy of Animal Sport Science does not recognize acquired life experience and prior experiential learning as a consideration for enrollment or granting credit towards any of its certificate programs.

LICENSING REQUIREMENTS

None of the courses, modules or programs offered through Academy of Animal Sport Science require a graduating student to obtain a license to practice what they have learned.

STUDENT HOUSING

Academy of Animal Sport Science has no dormitory facilities under its control. It does not offer housing, and has no responsibility to find or assist a student in finding housing.

That said, the following information is provided as helpful information for prospective students:

LODGING IN PETALUMA, CA:
Academy of Animal Sport Science, LLC and associates are not responsible for reservations, conditions or rate changes for the following lodging. These are listed here for your convenience and not as a recommendation.

Vacation Rentals by Owner: www.vrbo.com: $50-$100 per person if sharing
If sharing with another student, try www.vrbo.com for short-term rental houses at good prices. Prices for housing in the area vary from $50-$100 per person if sharing the cost.

Sheraton Petaluma: $149+ per night
Phone: 707.283.2914
Fax: 707.283.2898
745 Baywood Drive, Petaluma, CA 94954
Phone: 707/283-2888 Fax: 707/283-2828
Go to website www.sheraton.com/petaluma

Best Western Petaluma Inn (main drag, can be noisy) $80-125 per night
200 S. McDowell Blvd., Petaluma, CA 94954

Phone: (707) 763-0994 or (800) 297 -3846, Fax: (707) 778-3111

Quality Inn: $75-$129 per night
5100 Montero Way, Petaluma, CA 94954, Phone: (707) 664-1155, Fax: (707) 664-8566
Call them and ask for an extended rate; students have gotten in there for $75 or less per night and this includes breakfast. They also have double rooms making a nicer share!
Email: qipetlma@sonic.net,
website: http://sonomazone.com/qualityinn.html

Hotel Petaluma: (budget accommodations)
106 Washington Street, Petaluma, CA 94952
From $65-$90 with possible further discounts on extended stays.
reservations@hotelpetaluma.com
707.347.9239
Extended Stay Rooms: Please enquire at info@hotelpetaluma.com or 707.762.4531

Metro Hotel and Café
http://metrolodging.com/booking/

Hampton Inn Rohnert Park
6248 Redwood Dr, Rohnert Park, (707) 586-8700
http://hamptoninn3.hilton.com/en/hotels/california/hampton-inn-and-suites-rohnert-park-sonoma-county-STSRPHX/index.html

Double Tree (occasionally good deals from Hot Wire)
One Doubletree Drive, Rohnert Park, California 94928
Phone: +1-707-584-5466 Fax: +1-707-586-9726
http://doubletree.hilton.com/en/dt/hotels/index.jhtml?ctyhocn=RLSC-DT

Della Fattoria Ranch Cottage
(707) 529-2701 or (707) 763-5538
www.dellafattoria.com/ranchAccommodations/ranchAccommodations.html

Garden Valley Ranch
498 Pepper Rd. Petaluma, CA
(707) 795-0919
www.gardenvalley.com

San Francisco North/KOA Petaluma Camping $40-$75 per night
RV sites, tent sites, one room lodge, fully contained cabins
Price is typically per location so these can easily be shared
20 Rainsville Road, Petaluma, CA 94952, Phone: (707) 763-1492
www.sanfranciscokoa.com

FINANCIAL AID PROGRAMS

Academy of Animal Sport Science, LLC does not offer state or federal financial aid programs nor are the students eligible for financial aid programs. Individuals have been able to obtain retraining vouchers from their former employers. This is the responsibility of the individual when seeking eligibility.

REPAYMENT OF STUDENT LOANS

If a student obtains a loan to pay for an educational program, the student will have the responsibility forrepaying the full amount of the loan plus interest, less the amount of any refund. If the student has received federal student financial aid funds, the student is entitled to a refund of the money not paid from federal student financial aid program funds.

ARTICULATION OR TRANSFER AGREEMENTS

Academy of Animal Sport Science, LLC does not have an articulation agreement or transfer agreement with any other school, college or university at the present time. The Academy of Animal Sports Science does not accept credits earned at other institutions. Student records are provided with a written request by the student to the headquarters at 610 Noah Court, Napa, CA 94558.

REQUIREMENTS TO GRADUATE

California statute requires that a student, who successfully completes a course or module of study, be awarded an appropriate diploma or certificate verifying the fact. Every student must maintain a satisfactory grade in the class, complete all assigned projects, maintain a passing grade in any course or module, and must also have been in attendance for the required amount of clock hours as set forth in the course or module of instruction. The student must have all financial requirements fulfilled.

ACCREDITATION

Academy of Animal Sport Science, LLC is not accredited by an accrediting agency recognized by the United States Department of Education. A student enrolled in an unaccredited institution is not eligible for federal financial aid.

POLICY OF NON-DISCRIMINATION

Academy of Animal Sport Science, LLC is committed to providing equal education and employment opportunities to all persons regardless of, but not limited to, race, color, religion, national origin, gender, marital, parental status, disability, age, or sexual orientation.

STUDENT COMPLAINTS

A student or any member of the public may file a complaint about this institution with the Bureau for Private Postsecondary Education by calling 888-370-7589 or by completing a complaint form, which can be obtained on the bureau's internet web site www.bppe.ca.gov.

STANDARDS FOR STUDENT ACHIEVEMENT

All modules and courses at Academy of Animal Sport Science, LLC are pass/fail or credit/no credit. Some modules and courses require a particular minimum score on an exam to pass or receive credit. Exams and externship results including the distance study/education portions are returned to the student within 10 working days.

Detailed information on student achievement and evaluation are contained and incorporated within each course/module outline in this catalog.

ACADEMY OF ANIMAL SPORT SCIENCE, LLC ATTENDANCE POLICY

All students must attend all onsite sessions for course or module credit. However, it is recognized that, on occasion, a very minor absence may be necessary. Therefore instructors will have the discretion to approve minor absences depending on the satisfactory progress of the student. Instructors will not be obligated to grant any absences. This decision will reside with and be subject to the discretion of individual instructors based on their assessment of the student's progress in the course or module.

STUDENT SERVICES

There are a number of student services available to students, as follows:

Tutoring Services: Tutoring services are not included in the course or module tuition. However, if a student needs help, we can arrange lessons for them. The student will need to make arrangements with the tutor who is typically a teacher's aide for the course or module. These fees run from $20-$35 per hour but are at the discretion of the tutor.

Parking: Parking is free at the onsite Petaluma modules.

Computer Assistance: Students must have access to a computer for online/distance study courses or modules. The Internet connection should be at least 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.). All students must have an email account for the documents to be delivered. Website links for learning resources are included with every presentation. These are required viewing for the online/distance study courses or modules but optional for onsite presentations.

Academy of Animal Sport Science, LLC staff is available for students having difficulty downloading or uploading documents. This is typically a minor technical clarification.

Learning Resources: Website links for learning resources are included with every presentation and syllabi available to students and in outlines in this catalog. These are required viewing for the online/distance study courses or modules but optional for onsite presentations. The Santa Rosa Junior College Library allows general public access.

Job Referrals: Academy of Animal Sport Science, LLC does not provide job referrals or placement. However, we do assist graduates by placing them on the website so the general public can see who is available in their area. Graduation positions are not recognized for some or specific employment positions, including, but not limited to, positions with the State of California.

Resume Preparation: Academy of Animal Sport Science, LLC does not provide this service. However, participants are told if they would like us to review theirs we are happy to do so.

Student Academic Counseling: Students can email or phone our office to speak with our headquarter staff to discuss courses/modules and requirements M-F 9am-1pm.

Food Services: Although we always have water, snacks, tea and coffee available during school hours, we do not offer food services. Students are asked to bring their own lunches. Refrigeration and microwave are always available onsite.

Referrals to Social Services: This is not applicable to our courses. These are short modular courses.

Individuals Seeking Support from the Office of Student Assistance and Relief: The Office of Student Assistance and Relief is available to support prospective students, current students, or past students of private postsecondary education institutions in making informed decisions, understanding their rights, and navigating available service and relief options. The office may be reached by calling (888) 370-7589 or by visiting www.osar.bppe.ca.gov.

FACILITIES AND EQUIPMENT:

Academy of Animal Sport Science, LLC is a relatively unique type of school similar to another California BPPE school, Equinology INC. Due to the inherent nature of the subject matter taught, it provides instruction through a rented classroom and facility in California for the module three portion of the Animal Sports Therapy and Rehabilitation (**ASTR**) program. Plans will be made for offering the ASTR Module Three in other states.

Administrative Headquarters, Petaluma, CA:

The administrative headquarters for Academy of Animal Sport Science, LLC is located at 610 Noah Court, Napa, CA 94558. This is an office within a home. There is easy accessibility to the premises.

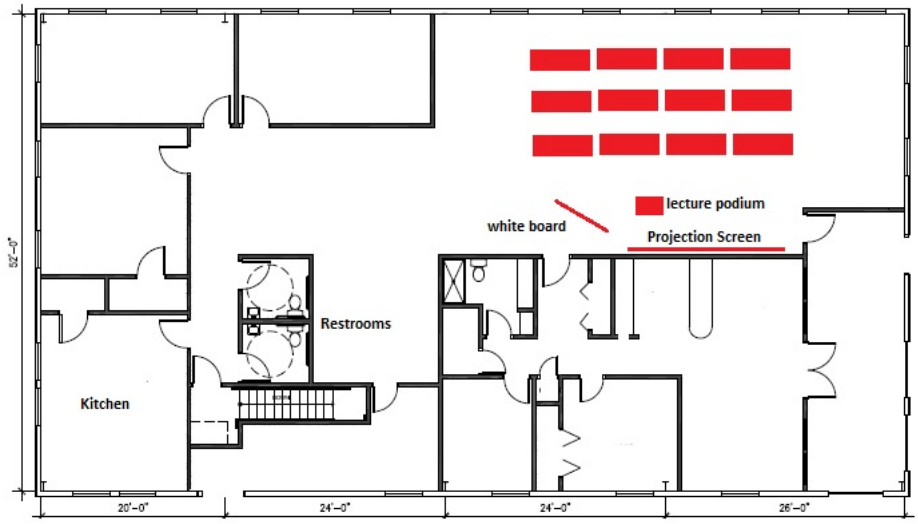
The administrative headquarters location on 5th Street in Petaluma is not used as a classroom or for instruction in any way. It is simply an office.

The typical ratio of instructors to students is never more than one instructor to seven or eight students. The ratio of equipment that will be directly utilized for training to students will range from 1:1 to at most 1:8. The ratio of equipment to students is more than ample.

The classroom and facility used for the residential onsite Module Three is rented for the module three only. The description is offered below.

Circle Oak Equine (COE) Sports Medicine and Rehabilitation Center:
Circle Oak Equine is located in Northern CA at 911 Mustang Court, Petaluma CA 94954. It is the perfect atmosphere for learning and allows students to experience an actual rehabilitation center.

Class is held onsite in the comfortable and large classroom located on the site.



Courses or Modules of Programs that are held at Circle Oak Equine facility and equipment needed as follows:

Animal Sports Therapy and Rehabilitation (ASTR) Module Three is currently the only portion of this program which requires access to a classroom. AASS will utilize the existing Circle Oak Equine the lecture/classroom onsite which provides tables, chairs, LCD, projection screen, white board and markers, restroom supplies, hostess supplies, bone specimens, dots, chalk, reference books, horses for practice, pointer, computer and cords.

LIBRARIES AND LEARNING RESOURCES:

There is no single consolidated online or residential library for students. However, the Santa Rosa Junior College in Petaluma, CA has an extensive library which allows general public access. In addition, registered AASS participants are provided with library and learning resources are for each course or module. All of the learning resources pertain to the immediate course/module or substantially related subject matter taught in each presentation. They are instructional in nature, and can be easily accessed by enrolled students simply by pasting or copying the websites in a browser. Hard copies of manuals and workbooks specifically created for each course or module are handed out at the particular presentation. Some courses or modules also include audio CDs and visual DVD which are also provided at the onsite presentations.

What follows is a listing of the extensive learning resources utilized in instruction for the Animal Sports Therapy and Rehabilitation (**ASTR**) program offered by Academy of Animal Sport Science (**AASS**). These have been divided into the four modules offered to complete the **ASTR** program.

Module One of ASTR Program: Equine Anatomy Precourse Distance Study
A computer and internet access is required for students to download the text and documents delivered via "High Tail" which is a program utilized to send large documents. The internet connection should be 56K modem and although slower speeds will work, high speed is preferable (cable, LAN, DS etc.) Students should have computer and internet access to view suggested links as well as videos on You Tube. While not required, students have the opportunity to access the same documents on the Facebook group established for this module.

Required text, documents or articles provided with tuition:

- EQ50 Equine Precourse Distance Study Anatomy Course Manual, by Debranne Pattillo, May 2017 edition. Delivered via High Tail
- Extra Learning Activities Files stored on the Equine Anatomy Facebook Group, authored by Debranne Pattillo and Sarah Miles, 2017 editions. Delivered via High Tail

Videos stored on You Tube:

- Video: Palpating Surface Anatomy Part One stored on You Tube, produced by Debranne Pattillo, 2009 edition
- Video: Palpating Surface Anatomy Part Two stored on You Tube, Produced by Debranne Pattillo, 2009 edition

Web resources and online texts or articles:
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology
http://www.merriam-webster.com/dictionary

http://www.anatomyatlases.org/bonebox/anatomicterms.shtml
http://www.wava-amav.org/nav_nev.htm
http://vanat.cvm.umn.edu/anatDirections/
http://en.wikipedia.org/wiki/Terminologia_Anatomica
http://www.thehorse.com/articles/10052/the-equine-spine-back-to-work
https://www.youtube.com/watch?v=AGck-JnxutM&eurl=
http://www.equinestudies.org/ring_revisited_2008/ring_of_muscles_2008_pdf.pdf
http://cal.vet.upenn.edu/projects/grossanat/index.htm
http://www.images4u.com/
http://vetmed.illinois.edu/courses/imaging_anatomy/#nogo27
http://people.upei.ca/lpack/vetrad/anatomy.html
http://www.equinestudies.org/knowledge_base_intro/knowledge_base_intro_choicepage.html

Explanation why resources meet student learning criteria:
We use a variety of resources (illustrations, diagrams, and photos) to meet the individual student's learning preferences and needs.

Module Two of ASTR Program: Evidence Based Equine Rehabilitation (EBER): Online Presentations & Open Book Examination
This module is also offered as a stand alone course to the general public
Module 2 is offered continuously throughout the year via the Thinkific Platform. Students may register and commence the module at any time.
Students must have access to a computer for this module. The internet connection should be a 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.). They must have an email account for the module documents to be delivered. Although not required, students need to have a Facebook account if they wish to participate in group discussions.
Should a student have any special needs, they need to contact the AASS office well before the module presentation, so we can make the necessary arrangements to accommodate these requirements.

Required text, documents or articles provided with tuition:
There are no required books for this module. A computer and internet access is required for students to download the documents for the lectures, extra learning activities and self-quiz for each of the lectures which are delivered via "High Tail"; or via Dropbox which are programs utilized to send large documents. Students should have computer and internet access to view suggested links as well as videos on YouTube. The online module components will be delivered via the Thinkific. There is no need to purchase textbooks.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse

http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM
http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.
http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/
Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health
http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:

The Nature of Horses: Their Evolution, Intelligence and Behaviour Paperback – February 2, 1998
by Stephen Budiansky

Equine Sports Medicine and Surgery: Basic and clinical sciences of the equine athlete, 2nd Edition
by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition
by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology
by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Explanation why resources meet student learning criteria:
We use a variety of resources (illustrations, diagrams, and photos) to meet the individual student's learning preferences and needs.

Module Three of ASTR Program: Residential Lectures and Wet Labs
The student will need to travel to Module Three which requires transportation and lodging. Although not required, students will find it advantages to have access to a computer during this module to use for reference. The internet connection should be a 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.).
Should a student have any special needs, they need to contact the AASS office well before the module presentation, so we can make the necessary arrangements to accommodate these requirements.

Required text, documents or articles provided with tuition:
There are no required books for this module. Any handout required will be provide with the module tuition. A computer and internet access is required for students to utilize online references if they have not reviewed them already in Module two. The resources are identical to Module Two.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse
http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM
http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.

http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/
Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health
http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:

The Nature of Horses: Their Evolution, Intelligence and Behaviour Paperback – February 2, 1998
by Stephen Budiansky
Equine Sports Medicine and Surgery: Basic and clinical sciences of the equine athlete, 2nd Edition
by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition
by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology

by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Explanation why resources meet student learning criteria:
We use a variety of resources (illustrations, diagrams, hands on supervision and photos) to meet the individual student's learning preferences and needs.

Module Four of ASTR Program: Case Study Presentation, Online Examination and Internship
In addition to the usual online requirements, students are required to type case study finding so will require a computer to do so.
Students will find it advantages to have access to a computer during this module to use for reference. The internet connection should be a 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.).
Should a student have any special needs, they need to contact the AASS office well before the module presentation, so we can make the necessary arrangements to accommodate these requirements.

Required text, documents or articles provided with tuition:
There are no required books for this module. Any handouts required will be provided with the module tuition. A computer and internet access is required for students to utilize online references if they have not reviewed them already in Module two. The resources are identical to Module Two.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse
http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM
http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.
http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/

Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health
http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:
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by Stephen Budiansky
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by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition
by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology
by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Explanation why resources meet student learning criteria:
We use a variety of resources (illustrations, diagrams, and photos) to meet the individual student's learning preferences and needs.

LANGUAGE OF INSTRUCTION:

The language of instruction at Academy of Animal Sport Science is English. All instructional materials are in English. All instructors speak English.

Academy of Animal Sport Science, LLC., has and does indeed contract with sufficient numbers of duly qualified faculty who teach students, all of whom are in the language group of English speakers, readers and writers.

LECTURER QUALIFICATIONS:

Academy of Animal Sport Science, LLC., has worked with a significant number of duly qualified faculty lecturers over the years.

These lecturers are qualified in the great majority of instances by both education and experience. Qualifications are also provided within the program descriptions.

Dr. Henry O'Neill MVB, DVM, MS, Dipl ACVS, MRCVS

Graduated: Veterinary Medicine, University College Dublin, 2005
Further Qualifications: Diplomate of the American College of Veterinary Surgeons; Masters of Science (Michigan 2012), Member of the American Veterinary Medical Association.
After graduating, Henry went into mixed animal practice for some years in Northern Ireland. An opportunity then arose to travel to England and complete an 18-month equine internship at Donnington Grove during 2008-2009. Inspired by this experience, he then got placed in an equine surgical training program at Michigan State University, under the tutelage or Dr. John Stick. Upon successfully completing the surgery board exams, Henry returned to Donnington Grove as a fully boarded horse surgeon. Although conducting all forms of surgery and lameness within the hospital, Henry's particular interests are in equine respiratory, orthopedic and colic surgery. Henry is delighted to be back in Berkshire and part of the surgical team here at Donnington Grove.
As a surgeon, specializing in lameness and orthopaedic conditions, Dr O'Neill is ideally qualified to instruct on the subjects of osseous and soft-tissue pathology in the horse.

Dr. Anne Bondi PhD

A successful rider and trainer who has competed at the advanced level both in eventing and dressage, Anne Bondi has also been placed in international three-day events including Windsor, Blair, and Blenheim. As a trainer, she has prepared pupils for both competition careers and professional exams and was a Senior Examiner of the British Horse Society. Specializing both in the production of young competition horses and in the education of problem horses, she has also produced a dynasty of homebred horses.

In 2006, Anne founded Solution Saddles to research and develop a saddle design that would make a difference to performance.
In 2009, she founded The Saddle Research Trust to promote the welfare of the ridden horse and to raise awareness of the widely underestimated issues surrounding saddles, welfare, and performance. The SRT is now internationally recognized for its groundbreaking work.
Anne earned her PhD specializing in the scientific investigation of the horse, saddle and rider interaction.
As the leading expert in her field, Dr Bondi is ideally qualified to lecture on saddle fitting for equine performance.

Dr. Sue Dyson MA, VetMB, Ph.D., DEO, FRCVS

Sue is a world-renowned expert in equine orthopedics, with a particular interest in lameness and poor performance in sports horses. Having trained horses and competed at Advanced level eventing and Grade A show jumping, and a passionate interest in sports horses, Sue has an in-depth knowledge and understanding of performance problems in horses from all disciplines. She is highly skilled in the diagnosis of both subtle and complex lameness cases. She is also an expert in diagnostic imaging, including radiography, ultrasonography, scintigraphy and magnetic resonance imaging. Sue has lectured internationally and published more than 230 refereed papers in scientific journals, relating to lameness and diagnostic imaging in the horse. Sue is co-Editor and major author of ‘Diagnosis and Management of Lameness in the Horse,' ‘Equine Scintigraphy’ and ‘Clinical Radiology of the Horse.' In 2000 Sue was awarded the British Equine Veterinary Association John Hickman Orthopaedic Award for outstanding contributions to equine orthopedics. In 2005 Sue was made an Honorary Member of the British Equine Veterinary Association. In 2007 Sue was awarded the Tierklinik Hochmoor award for outstanding, innovative and lasting contributions to equine veterinary medicine worldwide and in 2013 she received the American Association of Equine Practitioners Frank J. Milne Award. In 2014 Sue was made an Honorary Member of the Societa Italiana Veterinari Per Equine.
As the world’s leading researcher into horse-rider interaction from a clinical perspective, Dr Dyson is ideally qualified to lecture on horse-rider interaction in equine performance.

Dr. Barbara Crabbe DVM

Dr. Crabbe is a graduate of UC Davis School of Veterinary Medicine and completed an internship in large animal medicine and surgery at Washington State University. She also did graduate work in Biomechanics at UC Davis, where she studied patterns of locomotion in exercising horses.
Dr. Crabbe is a contributing editor to Horse and Rider magazine and a frequent contributor and member of the advisory board for Dressage Today magazine. Her articles have won numerous American Horse Publications awards, and in 2007 she saw her book Comprehensive Guide to Equine Veterinary Medicine published by Sterling Publishing, a large New York publishing company.
She is an avid dressage rider and competitor with several ODS and USDF regional championships on her resume and is a graduate with distinction from the USDF-L

judge's program. Also, she is a former board member of the Northwest Equine Practitioners Association and the Oregon Dressage Society.
Her particular interests are the management of the performance horse in competition, and reproductive technologies including artificial insemination and embryo transfer.
She lives on the PCS farm property with her husband, Bob, a board certified veterinary internist, and two daughters Katie and Jamie. The family is completed by two rescued dogs and a large herd of horses and ponies.
Dr Crabbe's specialization in equine biomechanics, combined with her extensive clinical experience, qualify her to lecture on equine conformation as related to performance and clinical health.

Dr. Emanuelle van Erck MV, PhD, ECEIM

Dr. Emmanuelle van Erck graduated in 1996 from the French Veterinary School of Maisons-Alfort. She obtained a Ph.D. on respiratory function testing in horses at the University of Liège (Belgium) and worked as a clinician in equine sports medicine. She worked two years at the equine clinic at the veterinary school of Lyon (France). In 2006, she contributed to developing the equine sports medicine unit in the CIRALE in Normandy (France) where she consulted as a senior clinician. In 2010, she set up the Equine Sports Medicine Practice (ESMP), a private ambulatory referral practice based in Belgium, specialized in equine internal and sports medicine. Emmanuelle specializes in the investigation of performance and poor performance in equine athletes of all disciplines, from racing Thoroughbreds to elite endurance horses. She has been appointed team veterinarian by the Royal Belgian Federation for Equestrian Sports and follows horses competing at international level in show jumping, eventing, and dressage. Emmanuelle is a diplomate of the European College of Equine Internal Medicine (ECEIM) and an expert with the FEI Equine Prohibited Substances List Group. She is author or co-author of over 50 peer-reviewed scientific articles and regularly lectures at international conferences.
Dr van Erck is a renowned specialist in equine exercise physiology, which makes her the ideal lecturer on the topics of equine exercise physiology from both clinical and performance perspectives.

Dr. Clair Thunes PhD

Born and raised in England Dr. Thunes started riding at the age of 8 and from day one was involved in all aspects of her horse's daily care. She competed in all disciplines including eventing, show jumping, dressage, gymkhana, trail, foxhunting, hunters, side saddle and was an active member of the UK Pony Club attaining her B rating before graduating High School. Her fascination in equine nutrition led her in pursuit of a BSc from Edinburgh where she spent the 3rd year of her degree at the University of California Davis. During her undergraduate years, Dr. Thunes worked as a groom at a boarding stables outside of London looking after clients horses including a medium goal polo string. Dr. Thunes played polo for both the Edinburgh and Davis teams. Returning to Davis for her graduate studies Dr. Thunes remained involved in the horse community working with local youth as District Commissioner of Panache Pony Club in Davis and as a working student preparing FEI level dressage horses with a local trainer. She also

owned and trained a young BLM mustang and competed him in dressage and eventing before selling him on to a youth competition home.
As an equine nutritionist, Dr. Thunes has worked with a wide range of horses from lactating mares to competitive driving horses, and with a variety of physiological problems including insulin resistance and muscle myopathies, and is happy to work in conjunction with your veterinarian. Dr. Thunes believes in finding the right balance not only in the horse's diet but also between the horse's needs and the client's resources. Equally able to work with the individual horse or an entire barn Dr. Thunes enjoys the challenges of each unique situation and working with owners to find the optimal solution. Dr. Thunes believes her clients should understand why various recommendations are being made and works hard to clearly explain her suggestions. Additionally, Dr. Thunes shares her knowledge talking with local equestrian groups on a range of nutrition-related topics.
Although not currently riding on a regular basis due to recently starting a family, Dr. Thunes is still active within her horse community working with local pony clubs, and she hopes to get back in the saddle soon.
Dr Clair Thunes is a leading expert on the subject of equine nutrition, and this makes her an ideal candidate to lecture on equine nutrition for sports performance.

Ruth Mitchell-Golladay, PT, CMT, NCTMB, EEBW

As a physical therapist, massage therapist, Equinology Equine Body Worker, and lifetime animal lover, Ruth Mitchell-Golladay is able to combine knowledge and experience with love to care for animal populations.
Ruth, a Texan, received her graduate degree in physical therapy from The University of Iowa in 1972 and opened a private practice in Dallas in 1978. She then attended The Institute of Natural Healing Sciences in Colleyville, Texas, in 1991, for her massage therapy training. She is Nationally Board Certified in Therapeutic Massage and Body Work and state licensed. Additionally, she obtained her Equinology Equine Body Worker certification in 2004.
Ruth began her Myofascial Release education in 1987, has taken all John Barnes MFR courses (including equine), and was a Senior Instructor/Coordinator, Co-lecturer, and Primary Lecturer for John Barnes, teaching over 130 courses for him from 1988-2002. From 1999 until her resignation in June 2001, she was the Primary Lecturer for the Barnes Equine MFR courses.
In 1990, Ruth opened Equine Therapeutic Center, Inc. which is now based at Smith Mountain Lake, Virginia from May through October and the Rio Grande Valley of Texas from November through April. In both locations, Ruth provides therapy for horse and rider. She uses her biomechanical knowledge to assist in determining a problem with the horse (or human) and then primarily utilizes Myofascial Release to decrease the symptoms and/or dysfunction. Also, she uses a laser, electrical stimulation, ultrasound, Red Light Acupoint Therapy, essential oils and specialized taping techniques. To assist owner, trainer and/or rider in a home program of care she also includes exercises, including stabilization and core exercises for the horse and rider.
Ruth started teaching for Equinology, Inc. in 1999. She has taught Myofascial Release for horses at facilities in California, Virginia, Texas, Canada, England, Australia, New Zealand and South Africa. Additionally, she has taught the Equinology, Inc. Equine

Body Worker Certification Courses in the United States, England, New Zealand, South Africa and Australia, Canine MFR in Canada and England, and human MFR in England. Ruth's book, Facilitated Healing through Myofascial Release – Putting the Pieces Together for Horse and Rider was first released in 2001. The revised second edition is now available at www.equinetherapeutic.com. She has also released a second book, Canine Myofascial Release which is available on the same website.
Ruth Mitchell is renowned internationally as the leading authority on equine myofascial release. This qualifies her to be the most appropriate lecturer on the subject of myofascial release in equine rehabilitation and conditioning.

Dr. Grant Miller DVM

Dr. Grant Miller was born and raised in the Bay Area and has ridden dressage horses from a young age. By 13 years old, Grant knew that he wanted to devote his life to horses by becoming a large animal veterinarian. He attended the University of California at Davis and received his undergraduate degree in Animal Science in 1999 and immediately began veterinary school at the same institution. Grant graduated from UCD in 2004 and had worked as a large animal practitioner in California's Sonoma and Marin counties ever since. He has obtained acupuncture, dentistry, and ultrasound certifications since graduating and is currently pursuing a certificate in forensic veterinary medicine.
While in veterinary school, Grant saw a need to help horses by assisting law enforcement in horse abuse cases, and he pledged to do so by educating and assisting officers in practice. In 2007, Grant founded the Sonoma County CHANGE Program, a 501c(3) corporation that provides support services to the Sonoma County Animal Control department in cases of horse neglect, abandonment, and abuse. Since its inception just over two years ago, CHANGE has helped 33 horses through its unique network of community volunteer transporters and foster barns. CHANGE has successfully rehabilitated dozens of horses in critical condition and found loving adoptive families for them. Grant donates all of his veterinary services to the program, and his employer, Sonoma Marin Veterinary Service, donates all veterinary supplies at cost.
In addition to rescuing horses, Grant works with the Sonoma County District Attorney to prosecute animal abusers. Since 2007, he has been involved as an expert witness in ten court cases, all of which have resulted in convictions of offenders. Grant donates all of his time as an expert witness to the DA. In addition to working full time as a large animal veterinarian and heading the CHANGE Program, he serves as chair of the California Veterinary Medical Association's Legislative Committee, as a member of the CVMA Agriculture Committee, the Political Action Committee, and the Animal Welfare Committee. Grant has served as an Advisory Board member for the UC Davis Veterinary Hospital and has served on the UC Davis School of Veterinary Medicine Admissions Committee. He lectures to Animal Control officers throughout California through his role as the large animal veterinarian for the Marin Humane Society. Recently, Grant was recognized by the Sonoma County Board of Supervisors with the County Seal Award for his community service efforts and was awarded the 2009 Red Cross Hero Award for founding CHANGE.

Grant attributes much of his motivation to his own horse “Red,” and believes that together, citizens of the horse community can raise the minimally acceptable standard of horse care at the local level by supporting their Animal Control Department and lobbying their district attorneys to prosecute animal abusers. According to Grant, “simply caring for horses who are victims of abuse and neglect without addressing the root of the issue enables the problem.” Thus, he has committed himself to the multi-pronged approach of both rescue and legal pursuit of abusers in his own community. “It all starts and ends, with the law. The law is the bottom line,” says Grant, “and if you enforce the law, you can pull the standard of horse care up by the boot strings.”
Dr Miller’s active involvement in setting standard of patient care in the equine clinical field, make him the ideal candidate to lecture on the topic of ethics and legal aspects of the incorporation of rehabilitation and sports medicine into mainstream veterinary practice.

Whitney Hischier BA, MBA

Whitney Hischier works with executives on managerial, consulting and entrepreneurship skills. Previously, Hischier was a system implementation consultant for Deloitte, San Francisco, KPMG London and ABN Amro Bank in Amsterdam and focused on change management, communication, and training aspects of global system implementations. In her role at Haas, she works with clients to diagnose business problems and design programs to address gaps in skill, behavioral and mindsets needed for improved organizational ROI. She holds a BA from Stanford and an MBA from the Haas School of Business.
Whitney Hischier serves as Faculty Director for the following Custom Programs:

- Chilean Executive Healthcare Program
- Denmark Technical University Healthcare Innovation Management Program
- Effat University
- Franklin Templeton Executive Program
- JTI Corporate Philanthropy Workshop
- LANL Director’s Leadership Development Program
- Panama Certificate Program in Advanced Management
- Shenzen PTY Medical Device Company Program
- The Art of the Pitch at Adobe
- The Innovative Organization for KFAS
- US-Poland Innovation Week
- Visionary and Strategic Leadership for Dubai Government

Whitney Hischier is a Faculty Director at the prestigious Haas School of Business at the University of Berkely, CA. Her experience makes her the ideal candidate to lecture on the subject of business management and marketing, specifically in the field of equine sports medicine.

Stephanie Valberg, DVM, Ph.D., DACVIM, ACVSMR

Education: DVM, Ph.D., DACVIM, ACVSMR
The recipient of numerous honors, Valberg most recently was awarded the 2014 Richard Hartley Clinical Award from the British Equine Veterinary Association for her research linking seasonal pasture myopathy to box elder tree seeds. In 2013, she was

selected to deliver the annual American Association of Equine Practitioners Milne Lecture, which recognizes a lifetime of service with the potential to change the paradigms by which veterinarians and researchers understand the recipient's particular area of expertise. She was the first woman selected for the honor. In 2012, Valberg became the first woman to be inducted into the Equine Research Hall of Fame. She has twice received the Pfizer Research Excellence Award, and in 1998 received the EquiSci International Award, an honor presented every four years to the individual whose work most significantly impacts equine exercise physiology research.

Valberg, who holds four patents, has authored or coauthored more than 140 peer-reviewed publications and 28 book chapters, as well as almost 100 articles in publications for the general public. She is a frequent speaker at national and international veterinary, nutrition, and genetic conferences.

Valberg has mentored more than 60 graduate students, interns, residents, and post-doctoral students and is a recipient of numerous awards for teaching and mentorship.

Valberg received her DVM from the University of Guelph Ontario Veterinary College and her Ph.D. in equine exercise physiology from the Swedish University of Agricultural Sciences. She completed a residency in internal medicine at the University of California, Davis. She is board certified in large animal internal medicine and veterinary sports medicine and rehabilitation.

Her mentorship and work have been supported by the National Institutes of Health, the US Department of Agriculture, and industry partners and foundations.

Valberg is also an active horsewoman and is currently training Cajun, a 7-year-old Warmblood for three-day eventing, a triathlon competition of dressage, cross-country, and show jumping.

Dr Valberg is a globally-renowned expert on the subject of muscle disease in the horse, and this makes her the ideal candidate to lecture on the subject of muscle pathology as relevant to the clinical aspect of equine sports medicine and rehabilitation.

Susan J Holcombe, VMD, MS, PhD, DACVS, DACVECC

Dr Susan Holcombe gained her BS from Cornell University, VMD from the University of Pennsylvania, MS from Ohio State University and PhD from Michigan State University. She is double-board certified as Diplomate of the American College of Veterinary Medicine, in both Surgery and Emergency Critical Care. She is currently a Professor in Large Animal Clinical Sciences at the College of Veterinary Medicine at Michigan State University. She has authored numerous scientific publications, and her areas of research include sepsis, endotoxemia, inflammation, colic, upper respiratory dysfunction and dysphagia in horses. She specializes in clinical neurology. She is a much- awarded clinician, whose honors include:

- Committee member, Grayson Jockey Club Research Foundation , 2015
- Secretary, 2013 - 2014, Michigan Animal Health Foundation Board of Trustees , 2010 – 2015
- Chair, 2013 - 2014, Morris Animal Foundation Large Animal Scientific Advisory Board , 2010 – 2014
- SCAVMA Excellence in Teaching Award from the Class of 2016, 2014
- Excellence in Teaching Award from the Class of 2014, 2014
- Commencement Address Speaker for the MSU CVM Class of 2012, 2012

- Pfizer Distinguished Veterinary Teacher Award , 2012
- Educator of the Year Award, American College of Veterinary Emergency Critical Care and Merck Animal Health, 2012
- SCAVA Excellence in Teaching Award from the Class of 2012, 2010
- Welfare and Safety Summit: Environment and Training Practices Committee appointment, The Jockey Club, Lexington, KY, 2010
- British Equine Veterinary Association and the Equine Veterinary Journal manuscript award, 2007
- Distinguished Honorary Alumnus, College of Veterinary Medicine, Michigan State University, 2006

Dr Holcombe holds a double Board Certification from the American Veterinary College, including Internal Medicine and Critical Care, and this makes her the best candidate to lecture on the subject of pain management in the realm of equine rehabilitation and sports medicine.

Camie Heleski, MS, PhD

Dr Camie Heleski is currently a Senior Lecturer at the University of Kentucky. Her PhD research in Animal Behavior and Welfare focused on equitation science and welfare of the ridden horse.

Previously, Dr Heleski was a lecturer at Michigan State University, where she was also a coordinator for the Horse Management program.

Dr Heleski's main interest lies in the advancement of equitation science and welfare. She is the current President of the International Society for Equitation Science (ISES), and has been a member and co-Chair of ISES since 2007. In her spare time, Dr Heleski trains her own riding horses, who are Arabians from the Michigan State University Arabian breeding program.

Dr Heleski is a leading authority on the subject of welfare and behavior in horses, and this makes her the ideal candidate to lecture on the subject of welfare and behavior as pertaining to sport horse performance.

Dr Dietrich Von Schweinitz, Bsc, DVM, MRCVS, certified veterinary acupuncturist

A University of Georgia DVM graduate in 1982, Dietrich first practiced in Maryland and moved to the UK founding an equine practice in 1989. His acupuncture interest began in the USA and he gained International Vet. Acupuncture Society certificate in 1998. He's a Past President of the Association of British Veterinary Acupuncturists and its Education Director and runs a referral acupuncture practice. He published pioneering research into the thermographic monitoring of acupuncture responses, and needle electromyographic recordings of myofascial trigger points in horses (Acupuncture in Medicine, & Vet Clinics of NA, Equine Practice) and authored "Electro-acupuncture for nerve injury in the horse" in EVE 2014, and "Acupuncture for pain control" in Robinson & Sprayberry's Current Therapy in Equine Medicine, 7th ed.

His topics of interest as a speaker include acupuncture and pain recognition in horses. His bike interest started at university with a Triumph Bonneville and then a Norton Commando and once the vet career and a family started that party came to an end – only to be revived during the great midlife crisis! Dietrich joined the tour for HP5 and

enjoys the camaraderie and to the cause. Dietrich rides a Commando 850 in good weather and a BMW 1200RT in any weather.
Dr von Schweinitz is globally recognised as a specialist in equine acupuncture. This makes him the ideal candidate to lecture on the application of acupuncture in equine rehabilitation and sports medicine.

Mark Caldwell, PhD

Recognized as one of the most accomplished and knowledgeable farriers in the world, Mark Caldwell of Alsager, England, has added yet another accomplishment to his lengthy résumé — a doctor of philosophy. Caldwell completed the PhD program at the University of Liverpool for studying the use of hoof balance metrics to test the reliability of a commonly used foot trimming protocol and their association with biomechanics and pathologies of the equine digit.“This is the culmination of a journey that started in 1987 when I passed my fellowship exam [with the Worshipful Company of Farriers] with a thesis on pre-navicular syndrome,” Caldwell wrote in a Facebook post. “That work convinced me that as an industry, we had to re-examine the historical theories that our understanding of the foot’s biomechanical behavior was based.”
Caldwell’s career accomplishments include being an approved judge of the Worshipful Company of Farriers (WCF) from 1990-2002, a member of the WCF Examination Board from 1997-2002, a three-time member of the English National Farriery Team and a 2-time coach of the national farriery team. He has amassed 22 silver medals, seven bronzes and placed third a number of times while taking part in the national championships and international farriery competitions from 1984 to 2000, as well as winning National Team Member twice and was runner-up once. Caldwell was inducted into the International Horseshoeing Hall Of Fame in 2015.
Dr Caldwell is internationally recognized for his expertise in farrier science, and this makes him the ideal candidate to lecture on the subject of farrier science in sport horse performance.

Dr Rachel Buchholz, DVM

Dr. Rachel Buchholz is an associate veterinarian at North West Equine Performance. She is originally from Howell, Michigan and has been around horses for as long as she can remember. She rode a variety of disciplines growing up and showed her horse Romeo all-around on the Pinto circuit to multiple regional and national titles.
She has aspired to become an equine veterinarian since childhood and attended Michigan State University receiving both her Bachelors in Animal Science and her Doctorate of Veterinary Medicine. During her time at MSU she worked at the world renowned Mary Anne McPhail Equine Performance Center with Dr. Hilary Clayton and Dr. Narelle Stubbs studying equine spinal anatomy, pathologies, and therapies. She also spent time at various equine clinics in Texas and Australia focusing on equine sports medicine. Following veterinary school she moved west, and has been with NWEP since.
Dr. Buchholz is in charge of the NWEP standing MRI. Each MRI study can be performed same day under sedation, eliminating the need for general anesthesia and its associated risks. NWEP currently offers the only standing MRI in the Pacific Northwest.

Dr. Buchholz's professional interests include equine physiotherapy, advanced diagnostic imaging, treatment of spinal dysfunction, use of regenerative therapies in clinical practice, and western performance horse issues.
Dr Buchholz is known as a specialist in the subjects of spinal dysfunction and innovate therapies in equine clinical care. This makes her the ideal candidate to lecture on the subjects of clinical treatment of equine neck and back pain, and the application of regenerative therapies in the treatment of musculoskeletal lesions in the performance horse.

Dr. Dagmar Berner, DrMedVet, Dipl. ECVDI, MRCVS

After graduating from the University of Leipzig, Dr. Berner finished her residency in diagnostic imaging in 2015. She worked at the University in Vienna before joining the equine diagnostic imaging department of the Royal Veterinary College in the United Kingdom in 2017, where she works as a lecturer in large animal diagnostic imaging. Dagmar holds the Diplomate of the ECVDI and a DrMedVet. Her research interests are diagnostic imaging of orthopaedic diseases in horses. After work she enjoys walking (and cuddling) her dog.

Clara Fenger, DVM, PhD, DACVIM

Dr. Clara Fenger graduated with her veterinary degree from the University of California at Davis in 1988, and after briefly practicing in California, she went on to an Internal Medicine residency and Master's Degree program in Equine Exercise Physiology at the Ohio State University, where she worked with Ken McKeever and Ken Hinchcliff. She later received her PhD studying Equine Protozoal Myeloencephalitis at the University of Kentucky. During her graduate studies at UK, she moonlighted working for the Kentucky Racing Commission as a State Veterinarian and developed a passion for the sport of horse racing. She continued this association with the racing commission for 15 years. She is currently a practitioner in Central Kentucky specializing in both Thoroughbreds and Standardbreds, and owns Thoroughbred racehorses.

STUDENT GRIEVANCE PROCESS

From time to time, differences in interpretation of school policies will arise among students, faculty, and/or the administration. Persons seeking to resolve problems or complaints should first contact the instructor in charge. Requests for further action may be made to the School Director (CEO) by email to academyofanimalsportscience@gmail.com. When such differences arise, usually a miscommunication or misunderstanding is a major contributing factor. For this reason, we urge both students & staff to communicate any problems that arise directly to the individual (s) involved. If the problem cannot be resolved in this manner, the School Director (CEO) should be contacted. Normally, the informal procedure of "discussing" differences will resolve the problem. In addition to complaints previously stated and appeals of an academic nature a student has a right to complain to the institution.
If a student wishes to file a written complaint, they may do so at any time. All written complaints will be resolved within 10 days and will be sent to the student in writing. If a complaint cannot be resolved by the institution's grievance procedure, the student may

file a complaint with the Bureau of Private Postsecondary Education at any time. Complaints may be directed to the address below at any time.

Any questions a student may have regarding the catalog that have not been satisfactorily answered by the institution may be directed to the Bureau for Private Postsecondary Education at
Physical Address: 1747 N. Market Blvd. Ste 225, Sacramento, CA 95834
Mailing Address: P.O. Box 980818, West Sacramento, CA 95798-0818
Web site Address: www.bppe.ca.gov
Telephone and Fax #'s: (888) 370-7589 or by fax (916) 263-1897
(916) 574-8900 or by fax (916) 263-1897

A student or any member of the public may file a complaint about this institution with the Bureau for Private Postsecondary Education by calling toll-free (888) 370-7589 or by completing a complaint form, which can be obtained on the bureau's internet web site (www.bppe.ca.gov).

STUDENT TUITION RECOVERY FUND (STRF) FEES

Currently the STRF assessment is $2.50 per $1,000 and is paid by the Academy of Animal Sports Science.

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if you are not a California resident, or are not enrolled in a residency program.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747 N. Market Blvd. Ste 225, Sacramento, CA 95834, (916) 574-8900 or (888) 370-7589.

To be eligible for STRF, you must be a California resident or are enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-

out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.

2. You were enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120 day period before the program was discontinued.

3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.

4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.

5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.

6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.

7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of noncollection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

STUDENT'S RIGHT TO CANCEL:

Due to the unique way in which Academy of Animal Sport Science, LLC., programs are structured and in the interest of the Institution's ability to provide students with 28 days' notice of cancellation of courses or modules, the BPPE has approved an alternative refund calculation for onsite modules or courses.

Any student who notifies Academy of Animal Sport Science, LLC., to cancel their attendance at an onsite course or module must do so in in writing and has the right to

cancel the enrollment agreement and obtain a refund of charges paid towards the tuition prior to 30 days of the course or module commencement less the $250 non-refundable registration fee (deposit towards the program module).

Cancellation shall occur when you give written notice of cancellation to Academy of Animal Sport Science, LLC., attention Debranne Pattillo or Dr. Nicole Rombach, 610 Noah Court, Napa, CA 94558. If you cancel this Agreement, the school will refund any money that you paid, less any non-refundable charges and deduction for equipment not timely returned in good condition, within forty-five days after your Notice of Cancellation is received

REFUND POLICY:

The institutional refund policy for students is per explanation in the above section. If a student's tuition is $995 they have the right to cancel in writing as stated above within 30 days of the onsite course or module commencement. They would then be entitled to a refund of $745 which is less the $250 non-refundable registration fee (deposit towards the course/module). If the student cancels after the 30 day mark; no monies used for tuition are returned and these funds are not transferable to another course/module at another date or location.

Except for Module One, the remaining three module fees have a $250 non-refundable Registration fee or Deposit and any other non-refundable fees included in the total module fee.

All students must provide written notification of withdrawal, cancellation or request for refund. Please be advised that a constructive withdrawal of a student may be made by the school. Such a withdrawal will be determined to have occurred if, in the estimation of the school and instructor, the student has failed to attend any one day of consecutive class meetings and has not responded to instructor or school attempts to contact the student.

Refunds must be requested in writing to Academy of Animal Sport Science, LLC., attention Debranne Pattillo or Dr. Nicole Rombach, 610 Noah Court, Napa, CA 94558 and the refund will be calculated upon receipt date or upon withdrawal of the student by the school as referenced above.

Any refund to a student will be refunded minus the non-refundable Registration fee of $250, and any other non-refundable fees, within 45 days of notification in writing or constructive withdrawal made by the school.

All module fees are due 30 days prior to the first day of the module commencement unless module tuition is paid as part of a payment plan.

Any textbooks purchased from Academy of Animal Sport Science, LLC., are eligible for a complete refund if in new condition less any applicable shipping charge.

Distance Education Refund Provisions (Only applicable to Module One, Two and Four):

An institution offering a distance educational program where the instruction is not offered in real time must transmit the first lesson and any materials to any student within seven days after the institution accepts the student for admission. The student has the right to cancel the agreement and receive a full refund as described above before the first lesson and materials are received. Cancellation is effective on the date writtennotice of cancellation is sent. If the institution sent the first lesson and materials before an effective cancellation notice was received, the institution shall make a refund within 45 days after the student's return of the materials.

An institution must transmit all of the lessons and other materials to the student if the student has fully paid for the educational program, and after having received the first lesson and initial materials, requests in writing that all of the material be sent. If the institution transmits the balance of the material as the student requests, the institution must remain obligated to provide the other educational services it agreed to provide, such as responses to student inquiries, student and faculty interaction, and evaluation and comment on lessons submitted by the student, but shall not be obligated to pay any refund after all of the lessons and material are transmitted.

Federal or State Loans:

If a student has received federal student financial aid funds, the student is entitled to a refund of moneys not paid from federal student financial aid programs funds. If the student is eligible for a loan guaranteed by the federal or state government and the student defaults on the loan, both of the following may occur:

1. The federal or state government or a loan guarantee agency may take action against the student, including applying any income tax refund to which the person is entitled to reduce the balance owed on the loan.
2. The student may not be eligible for any other federal student financial aid at another institution or other government assistance until the loan is repaid.

WITHDRAWAL

You have the right to withdraw from a course or module of instruction at any time. It is preferred that a notice of withdrawal be made in writing to the address of the school shown on the first page of this Agreement. When a student officially withdraws from the course or module, any refund of tuition will be governed by the following policy calculated as described above. No administrative fee will be assessed or deducted from the amount to be refunded to the student. There will, however, be no refund for late payment of fees.

Please be advised that a constructive withdrawal of a student may also be made by the school. Such a withdrawal will be determined to have occurred, if in the estimation of the school and instructor, and in the absence of an approved leave of absence or other

short-term absence, the student fails to participate in course or module assignments or other instruction for a period of three weeks.

If a student wishes to withdraw from the institution or a course/module of instruction, the student must contact Academy of Animal Sport Science, LLC., attention Debranne Pattillo or Dr. Nicole Rombach, 610 Noah Court, Napa, CA 94558. Refunds are processed by Academy of Animal Sport Science, LLC. when a student has resolved all financial obligations against their school debts, and their student account reflects a credit balance. Refunds are processed after the student's account reflects a credit balance.

NOTICE CONCERNING TRANSFERABILITY OF CREDITS AND CREDENTIALS EARNED AT OUR INSTITUTION

The transferability of credits you earn at Academy of Animal Sport Science, LLC., is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the certificate you earn in the educational program is also at the complete discretion of the institution to which you may seek to transfer. If the certificate that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending Academy of Animal Sport Science, LLC., to determine if your certificate will transfer.

ADMISSION REQUIREMENTS

For the ASTR Certification program, the Academy of Animal Sport Science, LLC., requires that all students have previously completed a degree program to meet the program requirements, this requirement is already met. Due to previous degree requirements, all students have the ability to benefit (ATB).
Participants must hold degree* as a:

- Veterinarian
- Chiropractor
- Osteopath: with masters degree in equine osteopathy
- McTimony certified animal manipulator
- Animal physical therapist
- Animal physical therapy assistant**
- Veterinary Technician**

**If the participant's state does not require a degree to be an equine veterinary technician or physical therapy assistant, a letter is required from the participant's employer, who must be a D.V.M. or V.M.D.

- Successful completion of the participant's degree* is required prior to taking the certificate exam
- Proof of enrollment must be made available.

- Individuals must have demonstrated equine handling abilities and are required to sign a statement to that effect.

For the EBER: Evidence Based Equine Rehabilitation stand-alone course which is open to the public, the admissions requirement is very basic: a high school diploma or GED is required for admission.

English is the language of instruction. All learning materials are in English. Consequently, in very rare cases, if evidence acquired during the admission process suggests that a student may have difficulty learning with the English language, the prospective student will be required to document passage of a Test of English as a Foreign Language (TOEFL) with a score of at least 500. The test maker's own scoring criteria suggesting a reasonable level of English comprehension suitable for learning will apply.

Ability to Benefit Test: For the EBER program, in certain other even more rare situations, if evidence gathered during the admissions process suggests in any way that the prospective student may be marginal in terms of benefiting from the instruction provided, the prospective student will be required to present documentation of passing a generally recognized Ability to Benefit Test (ABT). AASS has been approved by BPPE to administer these especially for those who cannot locate their transcripts.

English is the language of instruction. All learning materials are in English. Consequently, in very rare cases, if evidence acquired during the admission process suggests that a student may have difficulty learning with the English language, the prospective student will be required to document passage of a Test of English as a Foreign Language (TOEFL) with a score of at least 500. The test maker's own scoring criteria suggesting a reasonable level of English comprehension suitable for learning will apply.

In fact, no such tests have been necessitated to-date, and none are expected to have to be required. But in the unlikely event that either test may be needed, all documentation of a passing score for either type of test will be retained in the student record.

The deadline to enroll for courses and modules offered by Academy of Animal Sport Science, LLC., is four weeks prior to the first day of class. Tuitions $250 and over will require a nonrefundable, nontransferable $250 deposit to enroll. This deposit is used towards the total cost of tuition. Any course or module with tuition $250 or less will require payment in full upon registration.

Class size is limited and Academy of Animal Sport Science, LLC., needs to send the correct number of documents, manuals and class supplies 30 days prior to the course or module start. While a student may register after the 30 day deadline, Academy of Animal Sport Science, LLC., will need to first determine if there are enough manuals, documents and class supplies. If there is not enough time to ship the material, the

student will be immediately notified and any tuitions and deposits used to enroll will be refund in full.

Confirmation letters as well as the course/module outline, things to bring, required study before the presentation (if applicable), directions and lodging will be sent when the deposit has been paid. The balance of the tuition is collected four weeks prior to the start of the course/module date.

Our instructor's contract policy allows us thirty (30) days cancellation after which we are locked into our agreement. If you are unable to attend this course or module you may sell your spot to another individual not already registered providing that person has met the prerequisites. Please notify the office for the data correction.

As a reminder, deposits for courses and modules are non refundable (unless Academy of Animal Sport Science, LLC., cancels the course or module) and are non transferable. We will not "roll" the deposit over to another course or module for you should you not be able to attend. Tuition refunds, minus the non refundable, non transferable deposit, are only granted if the student cancels or withdraws from the presentation prior to the four week deadline for USA courses and modules. While we understand there may be emergencies and other issues that may restrict your attendance, there are no exceptions to this policy. Again you may transfer your tuition to another person who is not already on this class list for this particular course or module, but will need to let the office know of the change.

Cancelation of Course of Module by Academy of Animal Sport Science, LLC: If a course or module should not run due to low enrollment or other circumstances, AASS will notify the students 28 days prior to the presentation commencement and return all tuitions collected including the deposit. Although students may wish to make travel arrangement before this time, AASS cannot be held responsible for travel arrangements made before the 28 days. We suggest you purchase travel insurance if you plan to make early travel plans.

You cannot be confirmed on a class list until the deposit is received. Please prepare yourself for the course or module if pre-course study is required. If a course or module has required texts, you should purchase these prior to the presentation.

FINANCIAL ASSISTANCE

There is no financial assistance currently offered for the Academy of Animal Sport Science, LLC. Program.

AASS currently does not participate in federal or state financial aid programs.

If a student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund.

STUDENT RECORDS

Academy of Animal Sport Science, LLC. does and will maintain records of the name, address, e-mail address, and telephone number of each student who is enrolled in an educational program. AASS grants only certificates of completion. It will maintain, for each student granted a certificate, permanent records of all of the following:
(1) the certificate granted and the date on which that certificate was granted
(2) the courses or modules on which the certificate was based
(3) the grades earned by the student in each of those courses or modules.
Academy of Animal Sport Science, LLC. Will maintain, for a period of not less than five years, at its principal place of business in this state, complete and accurate records of all of the following information:
(a) The educational programs offered by the institution and the curriculum for each.
(b) The names and addresses of the members of the institution's faculty and records of the educational qualifications of each member of the faculty.
(c) Any other records required to be maintained including records relating to determinations of **completion, placement, licensure (though no licenses are required to practice in the field), and salary disclosure requirements.**
Academy of Animal Sport Science, LLC., will maintain a file for each student who enrolls in the institution whether or not the student completes the educational service. The student file will contain all of the following pertinent student records:
(1) Written records and transcripts of any formal education or training, testing, or experience that are relevant to the student's qualifications for admission to the institution or the institution's award of credit or acceptance of transfer credits including the following:
(A) Verification of high school completion or equivalency or other documentation establishing the student's ability to do college level work, such as successful completion of an ability-to-benefit test;
(B) Grades or findings from any examination of academic ability or educational achievement (proof of education as veterinarian, veterinary technician, chiropractor, physical therapist or osteopath) used for admission or institution placement purposes;
(2) Personal information regarding a student's age, gender, and ethnicity if that information has been voluntarily supplied by the student;
(3) Copies of all documents signed by the student, including student enrollment forms, school performance factsheets, releases, and copyright agreements;
(4) Records of the dates of enrollment and, if applicable, withdrawal from the institution, leaves of absence, and graduation; and
(5) a transcript showing all of the following:
(A) The courses/modules that were completed, or were attempted but not completed, and the dates of completion or withdrawal;
(B) The name, address, website address, and telephone number of the institution.
(6) A document showing the total amount of money received from or on behalf of the student and the date or dates on which the money was received;
(7) A document specifying the amount of a refund, including the amount refunded for tuition and the amount for other itemized charges, the method of calculating the refund, the date the refund was made, and the name and address of the person or entity to

which the refund was sent;
(8) Copies of any official advisory notices or warnings regarding the student's progress; and
(9) Complaints received from the student.
AASS will maintain all records required by the Act. The records will be maintained in this state.
In addition to permanently retaining a transcript the school will maintain for a minimum period of 7 years the pertinent student records described in CCR Section 71920 from the student's date of completion or withdrawal.
AASS will maintain records relating to federal financial aid programs as provided by federal law. (AASS does not currently participate in financial aid programs)
AASS. realizes that a record is considered current for three years following a student's ‘disk, or any other method of record storage only if all of the following apply:
(1) The record may be stored without loss of information or legibility for the period within which the record is required to be maintained by the Act;
(2) For a record that is current, the institution maintains functioning devices that can immediately reproduce exact, legible printed copies of stored records. The devices shall be maintained in reasonably close proximity to the stored records at the institution's primary administrative location in California. For a record that is no longer current, the institution shall be able to reproduce exact, legible printed copies within two (2) business days.
(3) The institution has personnel scheduled to be present at all times during normal business hours who know how to operate the devices and can explain the operation of the devices to any person authorized by the Act to inspect and copy records; and
(4) Any person authorized by the Act or this chapter to inspect and copy records shall be given immediate access to the document reproduction devices for the purpose of inspecting and copying stored records and shall, upon request, reimburse the institution for the reasonable cost of using the institution's equipment and material to make copies at a rate not to exceed ten cents ($0.10) per page.
AASS will maintain a second set of all academic and financial records required by the Act at a different location unless the original records are maintained in a manner secure from damage or loss. An acceptable manner of storage would include fire resistant cabinets.
All records that the institution is required to maintain by the Act will be made immediately available by the institution for inspection and copying during normal business hours by the Bureau and any entity authorized to conduct investigations.
In the event of a closure of Academy of Animal Sport Science, LLC.**,** the institution and its owners will be jointly and severally responsible to arrange at their expense for the storage and safekeeping in California of all records required to be maintained for as long as those records must be maintained. The repository of the records shall make these records immediately available for inspection and copying, without charge except as allowed above for those persons authorized to inspect and copy records, during normal business hours by any entity authorized by law to inspect and copy records.

TRANSCRIPTS

Student transcripts will be maintained permanently. A copy of the academic transcript is available upon request by the student. Academy of Animal Sport Science, LLC. reserves the right to withhold an official transcript, if the student's financial obligation to the institution is in arrears, or if the student is in arrears on any Federal or State student loan obligation. Academy of Animal Sport Science, LLC. also reserves the right to limit within its discretion the number of official transcripts provided without a processing fee. Diplomas and official transcripts of records are normally available within fifteen (15) days from the receipt of a written request to the CEO/CAO or COO at the address of the school shown on the cover of this catalog.

PLACEMENT SERVICES

While Academy of Animal Sport Science, LLC. does not have a “job placement” program, we do make sure that the graduate’s name is listed on our website if requested by the graduate. The listing of graduates is displayed by country, state (province) and city and includes an email and their website. Street addresses and phone numbers are not included.

Our office receives numerous requests for recommendations via phone and email. We do connect the interested party to the graduates that are in their area.

Finally, it is not uncommon that we are asked to referee or write a letter of recommendation for a graduate with respect to a job or program.

Academy of Animal Sport Science, LLC. makes no guarantee, explicitly or implicitly, of a job upon completion of any program or course or module.

LEAVE OF ABSENCE

Owing to the fact that classes have to be substantially prearranged and scheduled due to the nature of the instruction, and because the duration of any single course or module is rather limited, Academy of Animal Sport Science, LLC. has a policy of not permitting a leave of absence except in highly unusual circumstances, such as a death in the family of a student.

In such rare circumstances, and because heretofore Academy of Animal Sport Science, LLC. has never had to grant a leave of absence, the institutional refund policy will be applied.

STUDENT CONDUCT

Good conduct is expected of all students. This includes following all the school rules, regulations and following the directions and instructions of the staff. Any problems are to be brought to the attention of the Instructor for the course or module, and, if not

resolvable by the instructor, to the attention of the CEO/CAO or COO. Conduct that is unbecoming, rude, vulgar, profane, endangering and or behavior that has a negative reflection on the reputation and welfare of the school will result in potential dismissal of a student at the discretion of the instructor or CEO/CAO or COO as appropriate or necessary.

DRUG FREE POLICY

Academy of Animal Sport Science, LLC.is committed to fostering a drug-free environment for its students and instructors. Therefore, no student or instructor may use, possess, sell or distribute alcohol or other types of "illegal" or controlled substances," or use or possess drug paraphernalia onsite or immediately before, after or during a course or module, except for drugs prescribed by a physician. Additionally, the illegal use of prescribed drugs and the inappropriate use of over the counter drugs are also prohibited.

Persons showing behavior or conduct indicative of having used or consumed alcohol or other substances shall be prohibited from entering the grounds on which a course or module is being conducted.

Academy of Animal Sport Science, LLC. reserves the right to impose disciplinary action to the extent allowed by local, state and federal laws against students or instructors found to be in violation of this policy. School disciplinary action may include suspension, expulsion or termination, as well as referral for prosecution to the appropriate governmental agency.

REASONS FOR POTENTIAL SCHOOL DISCIPLINARY ACTION

If a student is placed on probation it may last up to six (6) months, depending on the severity of the offense. A student may be placed on probation, suspended or dismissed, for any of the following reasons:

1. Theft or non-accidental damage to college property.
2. Forgery, alteration or misuse of records or documents.
3. Cheating, plagiarism or other academic dishonesty
4. Physical or verbal abuse of others or any threat of force
5. The use, possession, distribution of or being under the influence of alcohol, narcotics, or other controlled substances on or in the vicinity of course grounds at any time,
6. Unauthorized entry onto course grounds, or unauthorized use of, or misuse of school property
7. Disorderly, lewd, indecent, obscene or offensive conduct on or off, or in the near vicinity of course grounds including any unwelcome physical contact.
8. Possession or use of explosive or weapons
9. Failure to comply with directions of school officials or instructors acting in performance of their duties.
10. Obstruction or disruption of the educational process

11. Soliciting or assisting another to do any act that would subject another to student discipline
12. Attempting to do any of the above

SATISFACTORY STUDENT PROGRESS

Determinations of satisfactory student progress and the methods of evaluation of student performance are delineated in the extensive course and module outlines that follow in this catalog.

SCHEDULE OF STUDENT CHARGES

Application Fee	**There a no application fees**
Registration Fee (non-refundable	Module One: US$ 95.00 (paid in full at time of enrollment) Module Two or EBER: US$ 2250 (paid in full at time of enrollment) Module Three: US$ 250 (paid at the time of enrollment; used towards $3250 tuition) Module Four: US$ 250 (paid at the time of enrollment; used towards $495 tuition)
STRF Fee	$2.50 (two dollars and cents) per $1,000 of institutional charges. This fee is Non-Refundable.
Returned Checks Fee	$25.00 Non-Refundable.
Penalty Fee for Late Payment	$35 applicable only to those students on a payment plan, and if a payment is 10 or more days late. Non-Refundable.
Wire Transfer Fee (international students only)	$45 Students will be responsible for wire transfer fee charges by a bank. Non-Refundable.
Textbooks or Materials Charges	There are no books or materials required for these courses.
Tutoring	No charge

You are responsible for these amounts. If you get a student loan, you are responsible for repaying the loan amount plus any interest, less the amount of any determined refund.

TOTAL CHARGES FOR THE PERIOD OF ATTENDANCE AND ESTIMATED SCHEDULE OF CHARGES FOR THE ENTIRE EDUCATIONAL PROGRAM:

ESTIMATED TOTAL CHARGES FOR THE ENTIRE EDUCATIONAL PROGRAM (completion of all four modules): $6090 (Module One Optional for Equine Veterinarians)

The total estimated program tuition for each of the four modules offered is as follows:
TOTAL CHARGES FOR CURRENT PERIOD OF ATTENDANCE
MODULE ONE (100 Hours): Online Equine Anatomy Review and Examination $95

MODULE TWO (67 Hours): Evidence Based Equine Rehabilitation: Online Presentations & Open Book Examination $2250 (Module 2: Evidence Based Equine Rehabilitation (EBER) portion of this program is offered and approved as a stand-alone courses for continuing education)
MODULE THREE (55 Hours): Residential Lectures and Wet Labs $3250
MODULE FOUR (63 Hours): Case Study Presentation, Online Examination and Internship $495

There are no required textbooks or materials for this program or each individual module.

PROGRAM DESCRIPTIONS

The Animal Sports Therapy and Rehabilitation (ASTR) Certification is a post-graduate 285-hour program for licensed professionals. The program is offered in four sequential modules. Upon successful completion, graduates will have gained experience in all aspects of sports therapy and rehabilitation of equines. Eligibility for the ASTR program requires that the participant is a licensed veterinarian, chiropractor, osteopath, McTimoney animal manipulator, animal physical therapist or veterinary technician, all with at least one year experience in the specific species program of their choice, in this case; the horse.
The Animal Sports Therapy Rehabilitation (ASTR) program meets the criteria requirements of section CCR 71710 "Educational program" by means of a planned sequence composed of a single course or module, or set of related courses or modules, that provides the education, training, skills and experience leading to the award of a recognized educational credential such as a degree or diploma.

PROGRAM MISSION AND OBJECTIVES

The ASTR program intends to enhance this industry and benefit the student by:

- Preparing the student to perform successfully in the animal rehabilitation industry;
- Educating the animal owner about rehabilitation and care to enhance their pets' quality of life;
- Establishing a working protocol with fellow team professionals;
- Identifying areas of research to address current gaps in knowledge, and ensuring that the results of research projects are made available to the community at large;
- Access to a supporting association for students and graduates;
- Assisting in the development and co-ordination of existing resources in continuing education.

The topics for success in the field of animal sports therapy rehabilitation require the participant to complete the program subject matter which consists of equine anatomy dissection, equine physiology and pathophysiology, equine functional anatomy biomechanics, equine wellness care and nutrition, research methods, business marketing and ethics, equine rehabilitation and performance and clinical reasoning, equine exercise physiology, extrinsic performance factors, recognizing lameness, imaging soft tissues, imaging bone, aquatic treadmill therapy, cold therapy, hyperbaric oxygen therapy, therapeutic ultrasound, equine manual therapies 1: core activation and stretching, equine manual therapies 2: massage, myofascial release and spinal

manipulation, Electrotherapy and TENS and FES, shockwave therapy, low-level laser therapy, vibration & Thumper machines therapy, acupuncture, therapeutic taping, equine pathologies, neurological diseases, wound management, tendon/ligament pathology, osseous pathology, muscle pathology, anti-inflammatory agents, regenerative medicine, spinal anatomy and research, effects of saddle and rider, rehabilitation of specific spinal pathologies, management of back pain in horses, appendicular anatomy and research of lower and upper limb, pathologies of the upper and lower limb, rehabilitation of appendicular pathologies and constructing a rehabilitation protocol.

JOB CLASSIFICATION SOC CODES

SOC 29-2056 Veterinary technologists and technicians
SOC 31-9096 Veterinarian Helpers
SOC 39-2010 Non Farm Animal Caretakers
SOC 39-2000 Animal Care and Service Workers
SOC 31-9096 Veterinary Assistants and Laboratory Animal Caretakers

MODULE OUTLINES AND DESCRIPTIONS:

The following are the four module outlines and descriptions covering all modules currently offered by Academy of Animal Sport Science (AASS). AASS also offers the Module 2: Evidence Based Equine Rehabilitation (EBER) portion of this program as a stand-alone courses for continuing education.

Module One (100 Hours): Equine Anatomy Pre-Course Distance Study

Description: This online module is also the required precourse study guide used for our **ASTR** modules. The module covers the terminology, vocabulary, palpating for surface anatomy, muscle location as well as the equine skeleton.

Objectives: This module is designed for individuals considering working professionally in the equine health industry or for continuing education.

The objectives for this module are as follows:

- identify the skeletal system to help learn the muscle orientation,
- understand the veterinary terminology, vocabulary and directional terms so the student can use these terms appropriately amongst their peers,
- apply the proper skills to palpate the equine surface anatomy to enable them to discuss findings in the correct areas,
- distinguish and label the four layers of common muscles of the horse to further the student's continuing education,
- compare horse's skeletal regions and be able to note the differences between individual horses,
- evaluate the musculoskeletal symmetry of the horse to determine if there are differences which need to be addressed by a health care professional.

Resource Materials:
A computer and internet access is required for students to download the text and documents delivered via “High Tail” which is a program utilized to send large documents. The internet connection should be 56K modem and although slower speeds will work, high speed is preferable (cable, LAN, DS etc.) Students should have computer and internet access to view suggested links as well as videos on You Tube. While not required, students have the opportunity to access the same documents on the Facebook group established for this module.

Required text, documents or articles provide with tuition:
- EQ50 Equine Precourse Distance Study Anatomy Course Manual, by Debranne Pattillo, January 2018 edition. Delivered via High Tail
- Extra Learning Activities Files stored on the Equine Anatomy Facebook Group, authored by Debranne Pattillo and Sarah Miles, 2009 editions. Delivered via High Tail

Videos stored on You Tube:
- Video: Palpating Surface Anatomy Part One stored on You Tube, produced by Debranne Pattillo, 2009 edition
- Video: Palpating Surface Anatomy Part Tw stored on You Tube, Produced by Debranne Pattillo, 2009 edition

Web resources and online texts or articles:
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology
http://www.merriam-webster.com/dictionary
http://www.anatomyatlases.org/bonebox/anatomicterms.shtml
http://www.wava-amav.org/nav_nev.htm
http://vanat.cvm.umn.edu/anatDirections/
http://en.wikipedia.org/wiki/Terminologia_Anatomica
http://www.thehorse.com/articles/10052/the-equine-spine-back-to-work
https://www.youtube.com/watch?v=AGck-JnxutM&eurl=
http://www.equinestudies.org/ring_revisited_2008/ring_of_muscles_2008_pdf.pdf
http://cal.vet.upenn.edu/projects/grossanat/index.htm
http://www.images4u.com/
http://vetmed.illinois.edu/courses/imaging_anatomy/#nogo27
http://people.upei.ca/lpack/vetrad/anatomy.html
http://www.equinestudies.org/knowledge_base_intro/knowledge_base_intro_choicepage.html

Methods of Instruction: This is a self-paced module. Although it is designed to be completed in less than two months we do allow the student one year from the time of registration to complete at home. Student will need access to a computer and a good internet service. The student will work through the manual (workbook) which is provided via a download link via the internet. Students are invited to the Equine Anatomy Yahoo Group so they can ask questions and share resources. Within this group, extra learning

activities files are available to download to their computer which contains additional reading, workbook exercises and resources. Students are expected to view the videos found on You Tube demonstrating the palpation of the surface anatomy support section three. While it is not imperative, it is quite helpful if students have access to horses to practice identifying the musculoskeletal system on actual horses as well as palpating the surface anatomy.
Should a student have any specific requirements or needs, these should be discussed with the AASS office prior to registration so they can be addressed to enable the student to participate in the module.

Evaluation: This module is offered on a pass-fail basis. Once they feel they are ready, they will request the final exam. They have 2 months to complete the final exam once they receive it. A 75% score is required to pass the final exam. Should a student fail, they have 2 more attempts to pass. A new exam is presented for each attempt. Students are informed of their exam corrections and score via email. Their certificate of completion is attached to that email.
Completing the module successfully, also offers 50 continuing education hours for members of the National Certification Board of Therapeutic Massage and Bodywork (Human State Certification).

Module Content: Equine Anatomy and Veterinary Terminology and Vocabulary, the Muscular System, the Skeletal System and Palpating Bony Landmarks and Surface Anatomy.

Learning Outcomes: After completing the module the student will be able to:

- identify the skeletal system and locate the regions of the skeleton on horses,
- understand the veterinary terminology, vocabulary and directional terms enabling the student to communicate with others in the field and continue with self-learning exercises,
- apply palpation skills for the equine surface anatomy and compare them amongst horses,
- distinguish and label the four layers of common muscles of the horse to assist future learning,
- compare horse's skeletal regions and be able to note the differences between horses as well note the asymmetries of the individual horse,
- evaluate the musculoskeletal symmetry of the horse to determine if there are differences which need to be addressed by a health care professional.

Module Two (67 Hours): Evidence Based Equine Rehabilitation (EBER): Online Presentations and Open Book Examination

Description: The Module 2 is designed to cover the subject matter and topics to prepare qualified individuals for equine sports therapy and rehabilitation. It also presented as a stand alone module. It is presented online through 37 forty-five to 90 minute lectures with each lecture supported withguided study (extra learning activities) and a self-quiz at the end of each lecture. At the completion of all 37 lectures and

guided study followed by the self-quizzes, the two-hour online open book examination is requested by the participant once they have finished the lecture material. The Module 2: Evidence Based Equine Rehabilitation (EBER) portion of this program is also offered and approved as a stand-alone courses for continuing education

Objectives: This module is designed for qualified individuals to work as equine rehabilitation specialists in the equine health care industry. As a stand-alone course (EBER) for non-qualified individuals, it is intended to enhance their knowledge of equine rehabilitation.

- The objectives for this module are as follows:
- Comprehend the parameters of animal rehabilitation and the regulatory issues
- Create a comprehensive rehabilitation program for various conditions in the horse utilizing reasonable time frames for treatment
- Understand comparative anatomy between the horse, dog and human
- Discuss the various causes of equine lameness
- Recognize differences between approaches to neurological cases compared to lameness cases
- Understand basic equine conformation and how it can relate to acquired lameness or performance issues
- Recognize the need of the team approach in the care, examination and rehabilitation approach of the horse especially in regards to communication between health care providers
- Determine which cases and conditions are candidates for rehabilitation therapy
- Understand different therapeutic modalities and initiate the appropriate application for the particular case
- Create new forms for documentation or utilize standardized forms.
- Understand the varied possible outcomes in regards to specific rehabilitation procedures
- Be familiar with the various emerging modalities in equine rehabilitation and be able to discuss these with the team members
- Understand the causes of injury to tendons and ligaments as well as the healing process of these structures and how to measure their response to therapies

Resource Materials:
Students must have access to a computer for this module. The internet connection should be a 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.). They must have an email account for the module documents to be delivered. Although not required, students need to have a Facebook account if they wish to participate in group discussions

Required text, documents or articles provided with tuition:
There are no required books for this module. A computer and internet access is required for students to download the documents for the lectures, extra learning activities and self-quiz for each of the lectures which are delivered via “High Tail”; or via Dropbox which are programs utilized to send large documents. Students should

have computer and internet access to view suggested links as well as videos on YouTube. The online module components will be delivered via the Academy of MIne Platform. There is no need to purchase textbooks.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse
http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM
http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.
http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/
Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health
http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm

http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:
The Nature of Horses: Their Evolution, Intelligence and Behaviour Paperback – February 2, 1998
by Stephen Budiansky
Equine Sports Medicine and Surgery: Basic and clinical sciences of the equine athlete, 2nd Edition
by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition
by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology
by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Methods of Instruction: Module 2 is offered continuously throughout the year via the Academy of Mine Platform. Students may register and commence the module at any time.
This is a self-paced module. Although it is designed to be completed in less than two months we do allow the student one year from the time of registration to complete at home. Student will need access to a computer and a good internet service with high speed preferred.
All material (module notes, instructions, study tips and extra learning activities) are sent via Hightail or Dropbox for sending large documents. Any necessary extra videos not already included in the Learning Direct LMS lectures will be uploaded to either Vimeo or YouTube. No subscriptions are needed by the student. They must have an email account for the module documents to be delivered. A private FB group is established for questions and discussion. All other material and communication is done via email. Students do have the opportunity to call the office to schedule an appointment to speak to the module administrator if email will not suffice.
Should a student have any specific requirements or needs, these should be discussed with the AASS office prior to registration so they can be addressed to enable the student to participate in the module.

Evaluation: At the end of each lecture the participant will participate a self-quiz followed by guided study (extra learning activities). The self quizzes will be immediately corrected as they are completed at the end of each lecture. These are self-assessment and extra learning activities intended to prepare the student for the 2 hour final exam done at the completion of all the lectures.

This final exam (2 module hours) is sent upon the student's request which consists of labeling illustrations and photos, T/F, multiple choice and filling in the blanks. The link to the exam from ClassMarker is sent to the student. They are advised of their scores immediately A passing score is 75%. Should the student fail the exam; they have 2 more attempts to pass a new final exam.

Module Content: Animal rehabilitation and its relationship to: General equine pathologies: process of disease, Neurological disease, Tendon/ligament pathology, Osseous pathology, Muscle pathology, Spinal functional anatomy, Clinical management of spinal dysfunction in horses, Rehabilitation of equine spinal pathologies, Effects of saddle and rider on equine performance, Functional anatomy: thoracic limb, Functional anatomy: pelvic limb, Pathologies of the thoracic limb, Pathologies of the pelvic limb, Limb pathology rehabilitation, Equine conformation for performance, Equine Anatomy dissection: axial skeleton, Equine Anatomy dissection: appendicular, Equine Physiology from a performance perspective), Equine Clinical Pathophysiology, Functional anatomy and biomechanics of the horse, Horse and rider interaction, Equine nutrition, Clinical research methods, Clinical reasoning and rehabilitation for equine performance, Equine Exercise Physiology, Extrinsic Performance factors, Equine lameness assessment: static and dynamic observations, Equine lameness assessment II: kinetic, kinematic, Farrier science, Equine spinal assessment, Diagnostic imaging: soft-tissue, Diagnostic imaging: bone, Wound management and bandaging, Joint management, Pain management (pharmacological/regenerative), Aquatic therapy, Cold therapy, Hyperbaric Oxygen Therapy, Therapeutic Ultrasound, Various equine manual therapies, Electrophysical Therapy, Acupuncture/acupressure, Proprioceptive facilitation, Case history documentation and record keeping, Business ethics and legal protocol and Business marketing

Learning Outcomes: After completing the module the student will be able to:

- develop a rehabilitation program as a team member
- discuss the program with the caregiver in a manner that it can be successfully implemented,
- understand the animal rehabilitation terminology, vocabulary and techniques enabling the student to communicate with others in the field,
- apply the rehabilitation techniques appropriate for the current case with the approval of the attending veterinarian,
- distinguish the differences between the mechanism of application and efficacy of the modalities showcased in the module,
- document the progress of the therapy program for all team members to comprehend

Module Three (55 Hours): Residential Lectures and Wet Labs

Description: Module 3 is the 55-hour onsite module designed to support the lecture subject matter of Module 2. Students must first complete Module 2 in full before attending this module. In Module 3, the student will have 4 hours to palpate horses for surface anatomy and isolate muscles and other important structures, perform 12 hours

of case assessments (static and dynamic), explore a minimum of the manual therapies and applied therapeutics which include introduction to various soft tissue mobilization techniques and bodywork, myofascial release, range of motion exercises, activation, spinal mobilization, ground/applied exercise and other tactile and proprioceptive facilitation as well introduction to electrical therapies such as shockwave, TENS, EMS, FES, therapeutic ultrasound, vibration plate and other applications which may include cold spas, underwater treadmill or swimming.
This onsite module will conclude by incorporating the subject matter with clinical reasoning (a case study) and constructing a comprehensive rehabilitation protocol.

Objectives: This module is designed for qualified individuals to work as equine rehabilitation specialists in the equine health care industry.

- The objectives for this module are as follows:
- Interpret the examination to define proper application of rehabilitation techniques
- Communicate examination findings to other team members to determine if a selected rehabilitation plan is appropriate
- Analysis and compare the surface anatomy for symmetry
- Identify the major muscles, tendons and ligaments of the horse
- Utilize the various manual therapies for appropriate cases
- Validate the use of electrical therapies for appropriate cases
- Facilitate a complete comprehensive evaluation of a case study
- Interpret the various causes of equine lameness
- Recognize differences between approaches to neurological cases compared to lameness cases
- Understand basic equine conformation and how it can relate to acquired lameness or performance issues
- Recognize the need of the team approach in the care, examination and rehabilitation approach of the horse especially in regards to communication between health care providers
- Determine which cases and conditions are candidates for rehabilitation therapy
- Understand different therapeutic modalities and initiate the appropriate application for the particular case
- Record case findings to communicate universally to the other team members.
- Understand the varied possible outcomes in regards to specific rehabilitation procedures
- Cite which injuries will respond best to the manual and electrical therapies available

Resource Materials:
Student will need to travel to Module Three which requires transportation and lodging. Although not required, students will find it advantages to have access to a computer during this module to use for reference. The internet connection should be a 56K modem, and although slower speeds will work, high speed is preferable (cable, LAN, DS, etc.).

Should a student have any special needs, they need to contact the AASS office well before the module presentation, so we can make the necessary arrangements to accommodate these requirements.

Required text, documents or articles provided with tuition:
There are no required books for this module. Any handout required will be provide with the module tuition. A computer and internet access is required for students to utilize online references if they have not reviewed them already in Module two. The resources are identical to Module Two.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse
http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM
http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.
http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/
Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health

http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:
The Nature of Horses: Their Evolution, Intelligence and Behaviour Paperback – February 2, 1998
by Stephen Budiansky
Equine Sports Medicine and Surgery: Basic and clinical sciences of the equine athlete, 2nd Edition
by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition
by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology
by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Methods of Instruction: This module is scheduled for a 6-day period at least twice a year. All delivery is onsite.
A private FB group is established for questions and discussion outside of class should students wish to participate (this is optional).
Should a student have any specific requirements or needs, these should be discussed with the AASS office prior to registration so they can be addressed to enable the student to participate in the module.

Evaluation: This is a credit/no credit evaluation determine by attendance and engagement. Students must complete all 55 hours to be able to receive module credit. AASS will review absentees individually and case by case. Students must participate in the lecture and actively in the lab portion. The module instructors will supervise the participants to make sure all students are engaged in the activities.

Module Content: The labs and lectures will cover these subject matters as they pertain to animal rehabilitation: Equine Musculoskeletal system, Assessment and identification of the Equine Musculoskeletal System, Integumentary System Function and Disorders,

Nervous System Function and Disorders, Gait Analysis & Lameness Evaluation, Retraining Proprioception and Neuromotor Control, Ice/Heat, Kinesio Taping and Compression Bandages as Therapeutic Application, Electrotherapy as Therapeutic Application, Magnetics and Electromagnetics as Therapeutic Application, Shockwave, Laser, LED and Therapeutic Ultrasound as Therapeutic Application, Writing a Comprehensive Rehabilitation Protocol, Clinical Reasoning Case Studies, Soft Tissue Techniques Introduction,Introduction to Mobilization, Activation and Stretching Exercises and Introduction to Myofascial Release and Neurokinetictherapy®

Learning Outcomes: After completing the module the student will be able to:

- Identify the appropriate rehabilitation techniques for the case and be able to implement the plan of action,
- Discuss the rehabilitation protocol with the other team members and effectively relay the instructions to the horse's caregiver,
- Utilize the soft tissue techniques presented in class to incorporate in the rehabilitation program for a successful outcome,
- Recognize which therapeutic equipment(s) is best for the particular case and be able to communicate this to the team members,
- Apply the appropriate manual therapies once a diagnoses has been determined by the attending veterinarian,
- Record case findings accurately to communicate universally to the other team members and
- Understand the varied possible outcomes in regards to specific rehabilitation procedures and be able to discuss these with the team members and caregivers.

Module Four (63 Hours): Case Study Presentation, Online Examination and Internship

Description: Module 4 is the 63-hour portion of this program designed to support the subject matter of Modules 1, 2 and 3. Students must first complete Modules 1, 2 and 3 in full before undertaking this module. In Module 4, the student will submit 2 full case studies (30 hours), sit an online examination on the module material from Modules 1, 2 and 3 as well as write an essay (6 hours) and intern with an equine rehabilitation veterinarian or center for 3 days (24 hours) and provide a narrative report of their experience (3 hours).
The student will be given a specific protocol for the cases studies. They are expected to utilize all the previous subject matters presented in the program. The online exam will also include all subject matter from the modules presented in the program. At the conclusion of their internship they are expected to write a 5-page minimum (single spaced, 10 font) report on their experiences and learning outcomes.

Objectives: This module is designed for qualified individuals to work as equine rehabilitation specialists in the equine health care industry.

- The objectives for this module are as follows:
- Interpret the examination to define proper application of rehabilitation techniques

- Communicate examination findings to other team members to determine if a selected rehabilitation plan is appropriate
- Analysis and compare the surface anatomy for symmetry
- Identify the major muscles, tendons and ligaments of the horse
- Utilize the various manual therapies for appropriate cases
- Validate the use of electrical therapies for appropriate cases
- Facilitate a complete comprehensive evaluation of a case study
- Interpret the various causes of equine lameness
- Recognize differences between approaches to neurological cases compared to lameness cases
- Understand basic equine conformation and how it can relate to acquired lameness or performance issues
- Recognize the need of the team approach in the care, examination and rehabilitation approach of the horse especially in regards to communication between health care providers
- Determine which cases and conditions are candidates for rehabilitation therapy
- Understand different therapeutic modalities and initiate the appropriate application for the particular case
- Record case findings to communicate universally to the other team members.
- Understand the varied possible outcomes in regards to specific rehabilitation procedures
- Cite which injuries will respond best to the manual and electrical therapies available

Resource Materials:
Although not required, students will find it advantages to have access to a computer during this module to use for referencing. The internet connection should be 56Kmodem and although slower speeds will work, high speed is preferable (cable, LAN, DS etc.). Should a student have any special needs, they need to contact the AASS office well before the module presentation so we can make the necessary arrangements to accommodate these requirements.

Required text, documents or articles provided with tuition:
There are no required books for this module. Any handout required will be provide with the module tuition. A computer and internet access is required for students to utilize online references if they have not reviewed them already in Modules two and three. The resources are identical to Modules Two and Three.

Web resources and online texts or articles:
The Nature of the Horse
http://www.amnh.org/exhibitions/horse/the-nature-of-horses
Homeostatic Mechanisms in the Horse
http://researchequine.com/homeostatic-mechanisms-in-the-horse
A Review and Update on Tendon and Ligament Injuries; by Jean-Yin Tan, DVM, Dipl. ACVIM

http://www.thehorse.com/articles/32963/a-review-and-update-on-tendon-and-ligament-injuries
Indwelling Neural Implants: Strategies for Contending with the In Vivo Environment. Reichert WM, editor. Boca Raton (FL): CRC Press/Taylor & Francis; 2008.
http://www.ncbi.nlm.nih.gov/books/NBK3938/
Soft Tissue Repair and Healing Review
http://www.electrotherapy.org/modality/soft-tissue-repair-and-healing-review
Summary References Re: The Effects of NSAID on Tissue Healing
http://www.electrotherapy.org/modality/nsaids-and-repair
Type Two Wounds Second Intention Healing
http://www.doctorramey.com/type-two-wounds-second-intention-healing/
Traumatic Joint Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/orthopaedic-topics/Pages/traumatic-joint-disease.aspx
Wound Healing, Over-Scarring, Tissue Regeneration, New Treatment
http://www.theoretlab.com/index.php/en/research
Stem Cells and Regenerative Medicine
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR26-4-bkm-sec.pdf
The Second Most Common Neurological Disease
Diagnosed in Horses: Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy
by Carrie J. Finno, DVM, DACVIM
http://www.vetmed.ucdavis.edu/ceh/local_resources/pdfs/pubs-HR29-2-bkm-sec.pdf
The Acutely Neurologic Horse-Evaluation and First Aid
Joanne Hardy, DVM, Ph.D., Dip ACVS, The Ohio State University
http://www.vet.ohio-state.edu/assets/courses/vm70016/acuteneuro.pdf
Equine Neurologic Disease
http://www.thehorse.com/articles/31757/equine-neurologic-disease
Horse Health
http://www.extension.umn.edu/agriculture/horse/health/
Rehabilitation and Physical Therapy Techniques for Musculoskeletal Disease
http://csu-cvmbs.colostate.edu/academics/clinsci/equine-orthopaedic-research-center/rehabilitation-for-musculoskeletal-disease/Pages/default.aspx
http://www.onlineveterinaryanatomy.net
http://www.horseshoes.com/farrierssites/sites/rooney/index.htm
http://www.thehorse.com/articles/22103/comparing-humans-and-horses
http://www.thehorse.com/free-reports/30140/anatomy-and-physiology

Recommended Books for Further Interest:

The Nature of Horses: Their Evolution, Intelligence and Behaviour Paperback – February 2, 1998
by Stephen Budiansky
Equine Sports Medicine and Surgery: Basic and clinical sciences of the equine athlete, 2nd Edition
by Kenneth W Hinchcliff BVSc MS Ph.D. DACVIM (Large Animal)
Guyton and Hall Textbook of Medical Physiology, 13th Edition

by John E. Hall PhD
Equine Wound Management 2nd Edition
by Ted S. Stashak, Christine L. Theoret
Large Animal Neurology
by Mayhew, I. G. Joe, Ph.D
Equine Neurology 2nd Edition
by Martin Furr, Stephen Reed
Animal Physiotherapy: Assessment, Treatment, and Rehabilitation of Animals 1st Edition
by Catherine McGowan, Lesley Goff, Narelle Stubbs

Methods of Instruction: The module is offered continuously throughout the year to those participants who have completed Modules 1, 2 and 3.
A private FB group is established for questions and discussion outside of class should students wish to participate (this is optional).
Should a student have any specific requirements or needs, these should be discussed with the AASS administrative office before registration so they can be addressed to enable the student to participate in the module.

Evaluation:
Part One (2 Full Case Studies) will be reviewed by AASS staff. The work must be complete and requires a percentage score of 75% to pass this section. This portion should be completed within a 2-month period. Should the student require any correction, the AASS staff will inform them of any necessary resubmissions within two months.
Part Two (Online Final Exam and Essay): Students have three attempts to successfully complete the online exam by receiving a score of 70% or better. The online exam is delivered via the platform: Academy of Mine Platform. A link to the final exam (6-module hours) is sent upon the student's request which consists of labeling illustrations and photos, T/F, multiple choice and filling in the blanks. Students will also upload a 5-page essay to a provided link. Various topics on rehabilitation will be offered for the student's choice. Upon completion of the online exam and essay, the AASS staff will manually review both portion for corrections within a 10 working day period. Students are notified of their corrections and score via email. A passing score is 75%. Should the student fail the exam or require an essay rewrite; they have 2 more attempts to complete this portion.
Part Three Internship: The specialist or director of the rehabilitation center will provide feedback on the intern regarding professionalism, knowledge and skills. This is a Pass/Fail portion. Should the intern be found lacking in any of these points, they will be asked to repeat this portion.
Part Four Internship Report: AASS staff will review the report by the participant regarding their experiences and learning outcomes. A passing score is 75%. Should the student require a report rewrite; they have 2 more attempts to complete this portion.

Module Content: 2 Full Case Studies, Full Static and Dynamic Assessments, Plan of Action (treatment goals and planning for the rehabilitation protocol), Rehabilitation

Sessions, Homework for the Caregiver, Final Reassess of the Case Studies (Re-evaluate), Online Exam of Modules 1-4, Internship (24 hours with equine specialist or rehab center), Internship Report.

Learning Outcomes: After completing the module the student will be able to:

- Identify the appropriate rehabilitation techniques for the case and be able to implement the plan of action,
- Discuss the rehabilitation protocol with the other team members and effectively relay the instructions to the horse's caregiver,
- Utilize the soft tissue techniques presented in class to incorporate in the rehabilitation program for a successful outcome,
- Recognize which therapeutic equipment(s) is best for the particular case and be able to communicate this to the team members,
- Apply the appropriate manual therapies once a diagnosis has been determined by the attending veterinarian,
- Record case findings accurately to communicate universally to the other team members and
- Understand the varied possible outcomes in regards to specific rehabilitation procedures and be able to discuss these with the team members and caregivers.