

5º Curso de Pós-Graduação em Acupuntura Veterinária

CARGA HORÀRIA

A distribuição da carga horária tem por base o Curso da International Veterinary Acupuncture Society
57 horas de atividades práticas presenciais, divididas em 4 módulos no transcorrer do curso.

94 horas em ensino remoto (á distância) em 5 módulos (aulas gravadas disponíveis em nossa plataforma durante todo o curso - <https://bioethicus.eadbox.com/>) e encontros mensais em plataforma virtual com os professores para explicação das dúvidas, discussão de casos clínicos e trocas de experiência.

CRONOGRAMA:

Módulo 1: 15 agosto de 2020 EAD (Ensino à distância)

Módulo 2: 12 de setembro de 2020. EAD.

Módulo 3: 10 e 11 de outubro de 2020.

Prática em animais de companhia (Lisboa) - Professor Luis Rezende - - Portugal.

Módulo 4: 14 de novembro de 2020. EAD

Módulo 5: 12 de dezembro de 2020. EAD.

Módulo 6: 16 e 17 de janeiro de 2021.

Prática em equinos (região de Lisboa) - Professor João Paulo Marques - Portugal.

Módulo 7: 20 de fevereiro de 2021. EAD.

Módulo 8: 6 e 7 março de 2021.

Prática em animais de companhia e/ou equinos (Lisboa) - Professor Jean Joaquim - Brasil.

(em caso de impossibilidade do Jean Joaquim se deslocar até Portugal por conta da pandemia, os Professores Luis Rezende e João Paulo Marques ministrarão as aulas práticas)

Módulo 9: 13 e 14 de março de 2021.

Prática em animais de companhia e/ou equinos (Lisboa) - Professor Jean Joaquim - Brasil.

(em caso de impossibilidade do Jean Joaquim se deslocar até Portugal por conta da pandemia, os Professores Luis Rezende e João Paulo Marques ministrarão as aulas práticas)

HORÁRIO DE ATIVIDADES*:

Módulos à distância (horário de Portugal)

DIAS DA SEMANA	HORÁRIO	ATIVIDADE
Sábado	14h - 17h	Chat em tempo real

*No final de semana referente ao curso.

Módulos de aulas práticas presenciais:

DIAS DA SEMANA	HORÁRIO	ATIVIDADE
Sábado	9h - 13h	Aula prática
	14h - 18h	Aula prática
Domingo	9h - 13h	Aula prática
	14h - 16h	Aula prática

*No final de semana referente ao curso.

***FREQUÊNCIA MÍNIMA:** 75% das atividades programadas.

***NOTA MÍNIMA PARA APROVAÇÃO:** 7,0 (SETE).

***SISTEMA DE AVALIAÇÃO:** Avaliações mensais e participação.

CONTEÚDO

***Introdução e História da Medicina Tradicional Chinesa**

- História da acupuntura
- Filosofia Chinesa

-Bases neurofisiológicas da acupuntura.

***Anatomia dos Acupontos e Meridianos**

- Anatomia topográfica em animais de companhia e equinos
- Acupontos e meridianos em animais de companhia e equinos, incluindo práticas de localização de pontos.

***Fisiopatologia e Tratamento na Medicina Veterinária Tradicional Chinesa**

- Teoria do Yin Yang
- Os Oito Princípios
- Substâncias Fundamentais
- Zang Fu
- Cinco Movimentos
- Técnicas de Acupuntura
- Fatores Patogênicos na MVTO (Medicina Veterinária Tradicional Oriental)
- Semiologia na MVTO
- Acupuntura espécie-específica: animais de companhia, equinos, ruminantes e exóticos
- Padrões de desarmonias dos Zang Fu
- Introdução à Fitoterapia e Dietoterapia Chinesas.

***Acupuntura Científica e Especialidades**

- Neuroanatomia clínica
- Exame neurológico
- Tratamento da dor com acupuntura
- Pesquisas científicas em acupuntura e acupuntura veterinária

***Prática Ambulatorial**

- Disciplina estritamente prática. Atendimento em casos clínicos em animais.

O curso está de acordo com as normas da International Veterinary Acupuncture Society. Ao final do curso caso algum aluno(a) tenha interesse, pode prestar a prova de certificação do IVAS, já que o curso segue o currículo do IVAS. Nós da organização nos responsabilizaremos por todo o trâmite de aprovação do programa do curso e disponibilidade de locais para realizar o exame do IVAS, que pode ser realizada na Europa ou América do Norte. Caberá ao aluno apenas escolher o local e data que deseja fazer o exame de acordo com a disponibilidade do IVAS e, se aprovado, elaborar o caso clínico e realizar estágio de 40 horas que também é um requisito necessário. Os coordenadores do curso se responsabilizam em orientar e corrigir o caso clínico e se disponibilizam a conseguir estágios aos alunos tanto em Portugal, na Europa ou em outro continente. No último curso que ministramos tivemos dois colegas que prestaram e foram aprovados no IVAS (Karla Pinto que atua em bovinos em Lisboa e Luis Pedro Fazenda Pereira que atua com equinos no Algarve). Nos cursos anteriores tivemos outros aprovados pelo IVAS, entre eles João Paulo Marques, Maria João Baldaia, Luis Miguel Resende e Américo Moreira. Os custos referentes à certificação do IVAS são de responsabilidade dos próprios interessados.

Detalhamento do Programa do IVAS e do 5º Curso de Pós-Graduação em Acupuntura Veterinária

COURSE CURRICULUM QUESTIONNAIRE

Name of the organizing association: Bioethicus Institute and Lusofona University

Name of the Course Coordinator (chairperson): Stelio Pacca Loureiro Luna

Location of the course: Lusofona University – Lisbon - Portugal

Date of the beginning of the course: August 15th, 2020

Date course ends (include schedule of course lectures): March 14th, 2021

Number of hours of lecture/theory: 94 hours practical/labs & demos: 57 hours

IVAS CURRICULUM APPROVED COURSE REQUIREMENTS FOR CERTIFICATION VETERINARY ACUPUNCTURE COURSE

The following defines the IVAS Standard Core of Basic Acupuncture Knowledge that is required of all IVAS Curriculum Approved courses. Courses may choose to expand beyond these requirements for their course to better address their country's and students' educational and cultural needs. The IVAS Certification Examination assesses examinees for successful attainment of this IVAS Standard Core of Basic Acupuncture Knowledge.

LECTURES (93.0+ 2 hours elective choice = total 95.0 hours)

Goals and Expectations				Required Hours	Actual Hours	
Lecture created to define what the Certification Course can provide in terms of education and readiness to apply acupuncture in a practice environment. Also provides appropriate learning philosophy and methods.				0.5 hour	1 h	
Discipline	Topics		Hpurs		Lecturer	Extra
Goals and Expectations	Introduction to the Course		1h		Stelio Luna	

Historical View of Traditional Chinese Veterinary Acupuncture				Required Hours	Actual Hours	
<p>Provides a lecture on the origin and development of acupuncture up to the present.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> describe the origins, development and evolution of acupuncture and Traditional Chinese medicine (TCM) over the centuries with different schools of thought, with an emphasis on the last century. recognize the main authors and books of classical Chinese medicine history and state their main contribution to classical Chinese medicine. address the development of veterinary acupuncture as its own specialty. explain how Chinese medicine evolved into a complete medical system where acupuncture is only one aspect of TCM and is based more on physiology: circulation of Qi and Blood through channels. <p>Alternatively can be presented in notes as required reading vs. lecture time.</p>				1 hour	2 h	
	History of Acupuncture		1		Jean Joaquim	

Chinese Diagnostic Methods				Required Hours	Actual Hours	
<p>Introduction to the Chinese diagnostic methods of inspecting/observation, inquiry/asking, palpation, and hearing and smelling. To include tongue and pulse diagnosis, with scientific basis and current research information. To instruct and demonstrate these methods also within case demonstrations.</p> <p>The student will be able:</p> <ul style="list-style-type: none"> list the four Chinese diagnostic methods. identify the TCM diagnostic differentials for each tongue pattern, and for each major pulse type explain tongue and pulse diagnostic basis in a more objective scientific manner and correlate them with current research into circulatory dynamics analyze and reach a TCM diagnosis in practice via the information gathered by the holistic approach of the four Chinese diagnostic methods (this outcome will be demonstrated to student with practice over the course of the program). 				2 hours	2 h	

Fundamental Substances:	Required Hours	Actual Hours	
<p>Introduction to the Basics of Fundamental Substances.</p> <p>Identification of Fundamental Substances and their application in TCM diagnosis and treatment.</p> <p>To include: Yin/Yang; Qi; Jin-Ye; Xue; Jing; Shen.</p> <p>The student will be able to apply the following concepts during the practice of acupuncture in order to explain TCM physiology and pathophysiology:</p> <ul style="list-style-type: none"> • Yin and Yang theory. • formation and function of Qi. • types and formation of Jing and Shen. • formation and function of Xue. • formation and function of Jin Ye. • the identification and/ or transformation of Qi into its various forms: i.e. Yuan Qi, Gu Qi, Zong Qi, Zhen Qi, Wei Qi, Ying Qi, Zang Fu Qi, Jing Luo Qi. • understanding the modern counterparts of the various forms of Qi. <p>how the various forms of Qi maintain bodily functions</p>	3 hours	3 hours	

Pathogenic Factors	Required Hours	Actual Hours
<p>An introduction to the pathological concepts of the External Pathogenic Factors (EPF) of Wind, Cold, Heat, Summer Heat, Damp and Dryness; and internal pathogenic factors. Their use in diagnosis and therapeutic applications.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • explain the External Pathological Factor concepts of Wind, Cold, Heat, Summer Heat, Damp and Dryness; and internal pathogenic factors of emotions, diet, toxins, etc. • comprehend how these are used to define a Chinese pattern diagnosis. • explain how to differentiate disease according to these factors. • illustrate how to use pathogenic factor signs to make a diagnosis. • state how to use diagnosis of these factors to formulate a treatment program. • treat clinical cases successfully using knowledge of pathogenic factors. 	2 hours	2 hours

Eight Principles	Required Hours	Actual Hours	
<p>An introduction to the Eight Principles and their application to the Fundamental Substances; and Zang-Fu pathology. Their use in diagnosis and therapeutic applications.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • describe the concept of Yin/Yang, Interior/Exterior, Hot/Cold, Full/Empty. • comprehend how these principles combine to allow the formulation of a pattern diagnosis. • explain how to differentiate disease according to these principles. • illustrate how to use Eight principles to make a diagnosis. • state how to use these principles to formulate a treatment program. • know when to apply the Eight Principles in practice. • know and recognize the common syndromes of the Eight Principles. • treat clinical cases successfully according to the Eight Principles. 	9 hours	9 hours	

Zang-Fu	Required Hours	Actual Hours	
<p>a) Introduction to the Organ Systems and their physiology in terms of TCM diagnosis and treatment.</p> <p>The student will be able to state and describe:</p> <ul style="list-style-type: none"> • the function of all the Yin Organs. • the function of all the Yang Organs. • the interrelationships between the Yin and Yang partner organs. • the interrelationships between the different organs. • how the organs influence different tissues of the body. • their effect on the vital substances. • their relationship to the environment. • the flow of Qi through the channels. <p>b) Syndromes of the Zang Fu organs; including treatment of pattern imbalances.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • describe the relationship between the Eight Principles and a particular organ that is diseased. • explain the relationship of Qi and Blood imbalances to a particular organ. • identify and describe the syndromes which occur for each Zang Fu Organ. 	8 hours	8 hours	

<ul style="list-style-type: none"> • apply the above to make a clinical diagnosis in order to treat these conditions. 			
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Five Elements	Required Hours	Actual Hours	
<p>Introduction to the concept the Five Elements including the concordances, its use in diagnosis and its therapeutic applications. The TCM basis of the Five Elements, including constitutions and the Generating (Sheng) and Controlling (Ko) cycles.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • describe the concept of the Five Elements in nature • recognize the energetic qualities of each element • explain the concept of the Five Elements as they relate to the body • state the interrelationships between the Five Elements in health and disease • list the correspondences and associations of the Five Elements • use the Five Element system as a means of diagnosis and treatment • know when to apply the Five Elements in practice 	3 hours	3 hours	

Meridian (Channel) System	Required Hours	Actual Hours	
<p>a) To familiarize the student with the anatomical pathway of Meridian (Channel) System of Traditional Chinese Medicine. To confer familiarity with the TCM concepts of the Organ / meridian “function”.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • explain the use of nomenclature in the introduction to Meridian Systems Theory • recognize the relationship of the different meridians/channels. • identify where each primary meridian/channel starts and finishes and outline its course on the surface of the body. • describe the flow of Qi through the primary channels. • recognize the channels’ internal connections to the internal organs and body tissues. 	4 hours	2 hours	
<p>b) Circadian Clock and Flow of Qi:</p> <p>An introduction to the cycle of Qi through the Twelve Meridians/Channels.</p> <p>The student will to able to:</p> <ul style="list-style-type: none"> • outline and describe the flow of Qi around the body. 	1 hour	1 hour	

<ul style="list-style-type: none"> state when amount of Qi is greatest in each meridian/channel and the importance of that knowledge in diagnosis and possibly treatment. 			
<p>c) Points with Special Actions:</p> <p>An introduction to the TCM concepts of Source, Connecting, Alarm, Association, Transporting, Tonification, Sedation, Horary, Command, Accumulation, Master, and Influential points.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> state the definitions, actions, and location of special action points. list each of those points on each meridian/channel. state the indications for the use of those points. apply the knowledge of those points in treatment and /or diagnosis in clinical cases. 	2 hours	2 hours	

Eight Extraordinary Vessels	Required Hours	Actual Hours	
<p>An introduction to the concept of the Eight Extraordinary Vessels and their therapeutic applications.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> describe the pathways of the Eight Extraordinary Vessels state the functions of the Eight Extraordinary Vessels state the indications for the use of Eight Extraordinary Vessels list each vessel's Opening and Coupled points recognize how to choose clinical cases which are best treated with the Eight Extraordinary Vessels 	2 hours	2 hours	

Bi Syndrome	Required Hours	Actual Hours	
<p>An introduction to the concept of Bi Syndrome, the differentiation and clinical treatment of Bi Syndrome.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> define Bi Syndrome and its causes. explain the development of Bi Syndromes according to Chinese medical principles of Organ function and channel theory. summarize the main classification patterns and their clinical signs, especially in relation to Exogenous Pathogenic Factor invasion. diagnose cases based on clinical signs and Chinese medicine examination findings. design general and pattern specific treatment principles to best treat clinical cases. 	2 hours	2 hours	

Wei Syndrome	Required Hours	Actual Hours
<p>Introduction to the concept of Wei syndrome. Scientific basis of Wei syndrome</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • differentiate between Wei and Bi Syndromes. • define Wei Syndrome and its causes. • explain its relation to various Western defined disease. • summarize the main classification patterns and their symptoms, especially in relation to Pathogenic Factor invasion, Organ affected and progression/ development of clinical signs. • diagnose cases based on clinical signs and Chinese Medicine examination findings. • design general and pattern specific treatment principles to best treat clinical cases. • state how Chronic Bony Bi can progress to Wei Bi. • correlate the major classic patterns of Wei Atrophy Syndrome patterns with TCM patterns according to Zang-fu pathophysiology. 	2 hours	2 hours

Neurophysiology	Required Hours	Actual Hours
<p>An introduction to the scientific acupuncture theory, scientific basis of pain, and research.</p> <p>This topic is also encouraged to be incorporated within other lectures when applicable.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • discuss the macroscopic and histological anatomy of acupuncture points and meridians. • state anatomical and physiological pathways activated during an acupuncture treatment • discuss neural, hormonal, hemodynamic, and humoral responses activated by acupuncture stimulation. • describe the local and systemic effects of acupuncture stimulation, including segmental vs. non-segmental effects. • apply the above-defined scientific knowledge under the context of acupuncture diagnosis and treatment. • identify clinical indications and contraindications of acupuncture. 	8 hours	8 hours

<ul style="list-style-type: none"> • describe both the TCM and neurophysiological attributes of a single point that are relevant in the description of any treatment plan. • describe any specific therapeutic neurophysiological effect(s) for each required acupuncture point, if known (Thus, this needs to be included in the characteristics of each IVAS required point when known.) 		
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Trigger points	Required Hours	Actual Hours
<p>Definition, identification and treatment.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • define a myofascial trigger point. • describe the types of trigger points. • locate trigger points. • identify the structures affected by trigger points and which muscles they are more commonly found in. • explain the causes and characteristics of trigger points. • comprehend the perpetuating factors. • examine a patient for trigger points and then treat them. 	1 hour	1 hour

Small Animal Practical Points & Meridians –	Required Hours	Actual Hours
<p>Lecture to location and utilization of frequently used points in Small Animal Acupuncture, as well as introduction to the use of empirical points in small animals.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • identify where each meridian/channel starts and finishes and outline its course on the surface of the body. • locate important points on each meridian/channel. • describe the functions of the important points on each meridian/channel. • describe and identify 14 canine acupuncture meridians and selected meridian and extra-meridian acupuncture points. • state the anatomy of the IVAS required canine acupuncture points including the bones, muscles and nerves and how the anatomy may relate to the function of the point • show and utilize these points and meridians for diagnosis and treatment of selected clinical conditions. • list common Empirical points' uses in treatment 	4 hours	4 hours

Equine Points and Practical Applications	Required Hours	Actual Hours
<p>Lecture to location and utilization of frequently used points in Equine Practice, as well as introduction to the use of empirical points in Equine Practice.</p> <p>Review of equine meridians and variations in point locations based on Traditional and Transpositional methods.</p> <p>Familiarize the student with the principles and practices of using acupuncture point pressure reactivity to diagnose the meridians or area involved. In addition to use TCM principles to diagnose certain diseases processes both Internal and External.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • identify where each meridian/channel starts and finishes and outline its course on the surface of the body. • locate important points on each meridian/channel. • describe the functions of the important points on each meridian/channel. • describe and identify 14 equine acupuncture meridians and selected meridian and extra-meridian acupuncture points. • state the anatomy of the IVAS required equine acupuncture points including the bones, muscles and nerves and how the anatomy may relate to the function of the point • show and utilize these points and meridians for diagnosis and treatment of selected clinical conditions. • list common Empirical points' uses in treatment • palpate various points for sensitivity and analyze the set of Indicator points with symptoms to come to a diagnosis 	8 hours	8 hours

Small Animal Veterinary Acupuncture	Required Hours	Actual Hours
<p>To teach the use of acupuncture in the treatment and system differentiation of:</p> <ul style="list-style-type: none"> • Feline specific problems • Musculoskeletal including Disc disease, Longitudinal Muscle System/Sinew Channels, & Canine lameness • Dermatology • Reproduction • Respiratory • Gastrointestinal and liver • Urinary problems and kidney • Immune • Cardiac (CHF and arrhythmias) • Neurology • Geriatric 	17 hours	17 hours

<p>The student will be able to:</p> <ul style="list-style-type: none"> • describe the primary TCM patterns that would be applicable for common western diagnoses seen in small animal practice. • employ the diagnostic use of acupuncture points, channel palpation, pulse and tongue findings to arrive at a TCM diagnosis. • design an acupuncture point prescription to treat the patient based on the TCM diagnosis of the condition and accompanying treatment principles • state the clinical indications, contraindications and possible complications of acupuncture treatments. • predict the conditions that respond successfully to acupuncture 		
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Equine Acupuncture	Required Hours	Actual Hours
<p>Introduce and familiarize the student with acupuncture treatment protocols in equine medicine.</p> <p>To include: Urogenital, Respiratory, Digestive including colic and liver, Neurology, Immune, Musculoskeletal, Reproduction, Endocrine, Dermatology, Five Elements model</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • describe the primary TCM patterns that would be applicable for common western diagnoses seen in equine practice. • employ the diagnostic use of acupuncture points, channel palpation, pulse and tongue findings to arrive at a TCM diagnosis. • design an acupuncture point prescription to treat the patient based on the TCM diagnosis of the condition and accompanying treatment principles • state the clinical indications, contraindications and possible complications of acupuncture treatments. • predict the conditions that respond successfully to acupuncture • apply Five Elements model to equine medicine and use for diagnosis and treatment. 	9 hours	9 hours

Needling Selection, Safety and Legal Responsibilities	Required Hours	Actual Hours
<p>To teach needle selection, safe needle technique and legal implications.</p> <p>The student will be able to:</p>	0.5 hour (in combination with needling lab for one hour total)	0.5 hours

<ul style="list-style-type: none"> • decide amongst various needle types, sizes and lengths, which needles will work best with different species, sizes, and body areas of patients. • apply safe needling technique to their patient and proper disposal. • recognize any legal issues that may arise with the use of acupuncture as a treatment option. 		
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Electroacupuncture	Required Hours	Actual Hours
<p>Introduce the appropriate use of, and settings for, electroacupuncture. Review neurophysiologic effects of electroacupuncture and its different stimulation settings.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • explain and utilize all parts of an electroacupuncture device. • identify the precautions or contraindications for electroacupuncture. • apply proper technique in appropriate cases. • discuss the neurophysiologic effects of electroacupuncture including from its different stimulation settings. 	1 hour	1 hour

Incorporating Acupuncture into Practice	Required Hours	Actual Hours
<p>Suggestions for incorporating acupuncture into a conventional veterinary practice.</p> <p>Including acupuncture supplies and equipment.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • utilize in practice selected methods of stimulation of points and meridians including various dry needling methods, aquapuncture, electroacupuncture, laser, and moxibustion. • decide on appropriate treatment frequency and plan 	1 hour	1 hour

Failures of Acupuncture	Required Hours	Actual Hours
<p>To explain the potential for acupuncture failures and suggested methods to handle such failures.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • recognize when acupuncture may be inappropriate for a case. • reassess their TCM diagnosis and treatment plan when a case does not respond as expected. • identify western conditions, that should be treated by conventional methods or drugs and where acupuncture can be an adjunctive but not sole treatment for success. 	1 hour	1 hour

Certification Requirements: Case Reports, Case logs, and Exams	Required Hours	Actual Hours
<p>a) Case reports: To explain and show what is expected to write a passing case report for IVAS certification and common issues that lead to rewrite requests by graders. Include case selection, important items to include in the report, how to write in a professional manner and why, and what they should get out of and demonstrate in writing a case report. Courses are encouraged to incorporate case report writing skills homework and demonstrate via examples.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • write a case report to satisfy IVAS certification requirements. • write a clinical case report in a scientific format integrating the western and Chinese medicines by explaining the action and effects of the acupuncture in scientific and TCM terms. • demonstrate in writing the case report that they can apply and integrate the core knowledge in their regular practice in a western defined disease case. <p>b) Case Logs Ten cases will be written as a case log that have been observed or treated at least 2 times to identify gaps in knowledge and experience, to demonstrate core competencies needed to be an effective practitioner, help the student to think about and reflect upon their work to learn, and to demonstrate experience.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • Work within a traditional Chinese Medicine framework: TCM diagnosis technique • Apply the veterinary acupuncture diagnostic framework: making a TCM diagnosis and determining the treatment principles • Work within veterinary acupuncture principles and practices • Plan and provide the veterinary acupuncture treatment: selecting appropriate acupuncture points and describing the needling techniques used • Perform the veterinary acupuncture assessment: recording the results • Reflect upon integrated veterinary medicine practice: reflect on what you have learnt from this case <p>c) Certification exams The written and two practical point exams will be explained to the students to answer any questions and to help prepare them for their exams.</p>	<p>1 hour</p>	<p>1 hour</p>

Introductory Herbal Lecture - elective	Required Hours	Actual Hours
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<p>Basic concepts for the use of herbs and Chinese herbs into veterinary practice.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • explain the importance of TCM diagnosis and the holistic outlook in deciding the proper herbal remedy. • recall a dozen or so common traditional herbal formulas and their indications for use. • comprehend the importance of obtaining further herbal education before practicing due to potential reactions with improper use of herbal formulas. • know where to get further herbal education. 	2 hours	2 hours

Bovine Acupuncture - elective	Required Hours	Actual Hours
<p>Introduce the use of acupuncture in the bovine.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • comprehend the relationship between the Association Points, the Alarm Points and the major organ systems • locate certain major acupuncture points on a cow and the points' major indications • recognize how these relationships and locations differ from the Equine and Canine patient • apply these points to diagnose organ dysfunction • utilize these points to diagnose and treat infertility problems • improve their diagnosis of recumbent cows • utilize acupuncture to treat a variety of musculo-skeletal conditions • stimulate acupuncture points using aquapuncture, electro-stimulation and moxa 	2 hours	2 hours

Avian and Exotic Acupuncture - elective	Required Hours	Actual Hours
<p>Introduction to avian and exotic acupuncture.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • comprehend the relationship between the Association Points, the Alarm Points and the major organ systems • locate certain major acupuncture points on a bird or exotic and the points' major indications • recognize how these relationships and locations differ from the Equine and Canine patient • apply these points to treat certain common diseases in that species 	Optional	1 hour

<ul style="list-style-type: none"> recognize which acupuncture techniques work best or should not be used in each species 		
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LAB SESSIONS (total: 60.5 hours)

Human Acupuncture Point and Meridians	Required Hours	Actual Hours
<p>Demonstrate human point and meridian location in order to provide a foundation for understanding Transpositional location on animals.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> recognize the difference in animals between transpositional points from humans and traditional nonmeridian points. trace the meridian pathways on themselves. point to the location of major points on themselves or another human. read the description of a human point that is not IVAS required and be able to transpose that point onto an animal by comparative anatomy. 	<p>1 hour</p> <p>To be covered in a lab, lecture, and/or incorporated into other labs or demos.</p>	<p>1 hour</p>

Student Needling Lab	Required Hours	Actual Hours
<p>To teach needle selection, safe needle technique.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> choose and place acupuncture needles in patients (or fruit if patients not possible) by proper techniques in front of instructors. 	<p>0.5 hour (total one hour when in combination with needle lecture topic)</p>	<p>0.5 hour</p>

Small Animal Lab	Required Hours	Actual Hours
<p>Point location and palpation technique on live dogs.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> find the exact locations of the IVAS required canine points on live dogs. state the IVAS location description of each required point. identify the anatomy of the tissues at each required point location. name nerve innervations of major points as listed on the flash cards. state at least one action, function, or indication of each required point for clinical application. 	<p>13 hours</p>	<p>13 hours</p>

Canine Case and Demo	Required Hours	Actual Hours
<p>To introduce the students on how cases may be diagnosed and treated with emphasis on reasons for point selection and treatment protocols. Demonstrate the use of TCM diagnostic principles including the four Chinese diagnostic methods for the exam, and then utilize Five Elements, Eight Principles, and /or channel diagnosis to develop a TCM pattern diagnosis, formulate a treatment strategy, and then choose points applicable for a patient.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • distinguish between various styles of practicing acupuncture. • evaluate the application of lecture topics, including Eight Principles and Five Elements, in actual canine cases. • actively be involved in obtaining case history, physical exam and TCM diagnosis, and formulating and implementing the treatment plan at case demonstrations towards the end of the course. • analyze their own cases, apply acupuncture diagnostic and treatment skills, and explain responses in their practice. 	7 hours	7 hours

Equine Lab	Required Hours	Actual Hours
<p>Introducing students to equine acupuncture point locations on live horses.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • find the exact locations of the IVAS required equine points on live horses. • state the IVAS location description of each required point. • identify the anatomy of the tissues at each required point location. • name nerve innervations of major points as listed on the flash cards. • state at least one action, function, or indication of each required point for clinical application. 	12 hours	12 hours

Equine Demo	Required Hours	Actual hours
<p>Practical application of TCM principles to diagnose and treat live animal demonstration cases.</p> <p>Demonstrate the use of TCM diagnostic principles including the use of Indicator Points, Five Elements, Eight Principles, and /or channel diagnosis to develop a TCM pattern diagnosis, formulate a treatment strategy, and then choose points applicable for a patient.</p>	7 hours	7 hours

<p>The student will be able to:</p> <ul style="list-style-type: none"> • distinguish between various styles of practicing acupuncture • evaluate the application of lecture topics, including Eight Principles and Five Elements, in actual equine cases • actively be involved in obtaining case history, physical exam and TCM diagnosis, and formulating and implementing the treatment plan at case demonstrations towards the end of the course • analyze their own cases, apply acupuncture diagnostic and treatment skills, and explain responses in their practice. 		
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Workshops	Required Hours	Actual hours
<p>The purpose of these workshops is to help participants acquire the knowledge and skills to become more effective acupuncturists by learning how to effectively diagnose and treat utilizing TCM theory and acupuncture via hands-on learning. The instructors will only guide and supervise while the students, in small groups of no more than six, perform the skills listed below on various live cases. These workshops are not to be demonstrations or instructional labs, but involve active small group learning and performance. Hours can be spread out throughout the course with some at the end of the course or within several months after the final examination as an assessment of skills and utilization of accumulative knowledge.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • Name the common components in a TCM exam • Perform a thorough TCM examination • Develop a TCM diagnosis, treatment principles, and treatment plan • Competently perform a treatment plan (placing needles, etc.) without assistance. 	<p>16 hours (8 hours canine and 8 hours equine)</p>	<p>16 hours (8 hours canine and 8 hours equine)</p>

Bovine Demo - elective	Required Hours	Actual hours
<p>Practical application of acupuncture principles to diagnose and treat live animals.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> • evaluate the application of lecture topics, including Eight Principles and Five Elements, in actual bovine cases • analyze their own cases, apply acupuncture diagnostic and treatment skills, and explain responses in their practice. 	<p>2 hours</p>	<p>2 hours</p>

