



CURACORE
VET

PRIMA MOVE

Integrative Rehabilitation and
Physical Medicine Syllabus

Course Structure

- **Core Curriculum (Online) (60 hours)**
 - Establishes foundational knowledge of the four dimensions of integrative rehabilitation through online videos, reading, and assessments.
- **Home-Based Clinical Preparation & Practice (Online) (35 hours)**
 - Utilizes animal model (Roxy) and a live animal of your choice for at-home practice and demonstration of assessment and treatment methods presented in core curriculum.
- **In-Person Internship (Onsite) (35 hours)**
 - Provides supervised clinical practice of integrative rehabilitation and physical medicine approaches with animals experiencing an array of musculoskeletal and neurologic challenges.
- **Two Case Reports (Clinic-Based) (20 hours)**
 - Submit one musculoskeletal and one neurologic case report that includes assessment, medical decision-making, protocol development, and at least three treatments for each case.

I. Identifying Causes of Disease and Mechanisms of Injury

- **Micro: VINDICATE THE MYOFASCIA**
 - Vascular
 - Infectious, Inflammatory
 - Neoplastic
 - Degenerative
 - Iatrogenic
 - Congenital
 - Autoimmune
 - Trauma / Surgery
 - Endocrine / Metabolic
 - Myofascia (Effects of Dysfunction on Cellular Metabolism)
- **Macro: Systems and Organizational**
 - Regional Anatomy (Myotendinous, Fascial, Neurovascular, Osseous, Articular)
 - Longitudinal Anatomy (Myofascial Continuity, Skeletal Attachments)
 - Spinal Segmental
 - Somatovisceral / Viscerosomatic
 - Complementary (Agonist, Antagonist)
 - Balance

- Movement Therapy
- Acupuncture (Dry Needling, Electroacupuncture)
- Medical Massage
- Stretch

• **Electrotherapeutics**

- Neuromuscular Electrical Stimulation (NMES)
- Transcutaneous Electrical Nerve Stimulation

• **Photomedicine**

- Laser Therapy
- Light-Emitting Diodes

• **Sonomedicine**

- Therapeutic Ultrasound

• **Pulsed Electromagnetic Field Therapy**

- Loops
- Mats or Beds

• **Therapeutic Exercise**

- With Props
- Without Props

• **Hydrotherapy**

- Underwater Treadmill
- Swimming

• **Botanical Approaches**

- Cannabis
- Western Herbs

II. Matching Mechanisms of Healing to Patients' Pathology

- Physical Medicine

III. Clinical Assessment, Diagnostic, and Treatment Strategies

- Myofascial / Osteoarticular Predominant Clinical Conditions and Their Treatment
 - Axial Anatomy
 - Head
 - Cervical Spine
 - Thoracic Spine, Ribs, and Thoracolumbar Junction
 - Lumbar Spine and Lumbosacral Junction
 - Pelvis
 - Tail
 - Appendicular Anatomy
 - Thoracic Limb
 - Pelvic Limb
- Neurologic Predominant Clinical Conditions and Their Treatment
 - Central Nervous System
 - Brain
 - Spinal Cord
 - Peripheral Nervous System
 - Spinal Nerves
 - Peripheral Nerves
 - Cranial Nerves

- Autonomic Nervous System
 - Homeostasis
 - Organ Function
 - Psychoneuroimmunology

IV. Treatment Changes over Time

- Neurologic
 - Acute Injury (Trauma, Surgery)
 - Chronic (Sensitization, Compression)
 - Degenerative (Central, Peripheral)
- Myofascial
 - Acute Injury (Trauma, Surgery)
 - Chronic (Maladaptive, Strain, Tension, Compensation)
 - Contracture (Muscle Fiber Loss, Shortening of Fascial Elements)
- Osteoarticular
 - Trauma, Surgery, Implantation (Success or Failure)
 - Degenerative
 - Amputation

