

PROGRAM DESCRIPTION for LSBVM Approved Course

Program Title: “The Foundations of Wildlife Chemical Capture”

Program Description:

This self-paced independent online course is the most current and extensive training in chemical immobilization of non-domestic animals. Access is provided for a full year with Dr. Mark's interactive instruction and advising. This online course includes a 150 page downloadable course notebook.

To authenticate the Certificate of Training there is a quiz at the end of each chapter. Participants must pass each quiz by 80% or better to move to the next chapter. Each attendee will receive a Certificate of Training upon completion.

This course will benefit veterinary professionals, such as veterinarians, LVTs, and CAETs, who provide veterinary support for those working with non-domestic animals. This online course is also for game farmers and animal control officers who wish to strengthen their success, confidence, and safety when chemically immobilizing animals.

There is no required interaction with the instructor. Dr. Mark personally reaches out to every participant who registers and encourages them to send questions and generate discussion. Every participant can ask questions and generate discussion in the following ways:

- Participate in the Comment Section at the end of every lesson.
- Send an email.
- Send a note through my Contact webpage.
- Visit during Dr. Mark's monthly Q&A Wildlife Capture Discussion Zoom sessions.
- Request a private Zoom meeting.

The course covers in detail all of the essential elements needed for a successful, safe, and effective chemical capture program including legal responsibilities, record keeping, the veterinarian/client/patient relationship, drug delivery, immobilizing drugs, animal patient monitoring, veterinary emergencies, and human safety.

Program OUTLINE:

CHAPTER 1. THE ETHICS OF CAPTURE AND HANDLING

Lesson 1.1 The Ethics of Wildlife Capture and Handling

CHAPTER 2. FIVE PREPARATION STEPS

Lesson 2.1 Introduction and The Big Picture

Lesson 2.2 Step 2 Step by Step Protocol

Lesson 2.3 Step 3 Equipment List

Lesson 2.4 Step 4 Drugging Field Form

Lesson 2.5 Step 5 Euthanasia and other Topics Often Neglected

CHAPTER 3. RECORD KEEPING AND LEGAL RESPONSIBILITIES

Lesson 3.1. Basic Legal Responsibilities

Lesson 3.2 U. S. Legal Responsibilities

Lesson 3.3. A Core Foundation For Record Keeping

Chapter 4. DRUG DELIVERY SYSTEM

- Lesson 4.1 Direct Drug Delivery - Working with Hand Syringes
- Lesson 4.2 Direct Drug Delivery – Pole Syringes
- Lesson 4.3 Principles of Remote Drug Delivery
- Lesson 4.4 Anatomy of A Remote Drug Delivery System
- Lesson 4.5 Three Remote Drug Delivery Companies

Chapter 5. IMMOBILIZING DRUGS

- Lesson 5.1 Drug Dose Calculations Primer
- Lesson 5.2. Terminology
- Lesson 5.3 Dissociative Anesthetics
- Lesson 5.4 Sedatives (Alpha2 agonists) and Tranquilizers
- Lesson 5.5 Opioids
- Lesson 5.6 Reversals and Accessory Drugs
- Lesson 5.7 Common Drug Combinations

Chapter 6. PRINCIPLES OF CHEMICAL IMMOBILIZATION

- Lesson 6.1 Principles of Immobilization
- Lesson 6.2 The Steps of a Chemical Immobilization

Chapter 7. GENERAL ANIMAL CARE

- Lesson 7.1 General Animal Care

Chapter 8. ANIMAL CARE - PATIENT MONITORING

- Lesson 8.1 Physical Exam
- Lesson 8.2 TPRs - Why, How Often, and What Do I Need?
- Lesson 8.3 Temperature
- Lesson 8.4 Pulse (Heart Rate)
- Lesson 8.5 Respiration
- Lesson 8.6 Color of Gums and Capillary Refill Time (CRT), Pulse Oximeter
- Lesson 8.7 How to Record TPRs - The Drugging Field Form
- Lesson 8.8 Putting It All Together and Learning Activity

Chapter 9. ANIMAL PROCESSING PROCEDURES

- Lesson 9.1 Introduction to Animal Processing
- Lesson 9.2 Preventative Measures – Drug Vials, Antibiotics, Pain Management
- Lesson 9.4 Sample Collection – Blood and Teeth
- Lesson 9.5 Blood Collection – Collection Sites and Technique
- Lesson 9.6 Tooth Collection – Best Practices

CHAPTER 10. VETERINARY EMERGENCIES

- Lesson 10.1 Hypothermia, Hyperthermia, Low Respirations, Shock
- Lesson 10.2 Bloat and Aspiration Pneumonia
- Lesson 10.3 Seizures, Capture Myopathy, and Injuries

CHAPTER 11. EUTHANASIA

- Lesson 11.1 Euthanasia

CHAPTER 12. HUMAN SAFETY

- Lesson 12.1 Human Safety Protocols for Wildlife Chemical Capture
- Lesson 12.2 Wildlife Chemical Capture Practices During the COVID-19 Pandemic

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