

CITI Course List & Their Modules

Essentials for IACUC Members

Essentials for IACUC Members
Federal Laws, Policies, and Guidelines
IACUC and IACUC Member Responsibilities
IACUC Membership Requirements
Quorum, Alternate Members, and Telecommunications
The IACUC, CEO, and IO
Protocol Review
Suspending Animal Activities
Types of IACUC Review: Initial, Annual, Triennial
Documenting IACUC Actions
Semiannual Evaluations – An Overview
Facility Inspections and Program Review
Identifying, Documenting, and Correcting Deficiencies

IACUC Chair

Roles and Responsibilities of an IACUC Chair
The IACUC Chair's Meeting Responsibilities
The IACUC Chair's Role Outside the IACUC Meeting

Post-Procedure Care of Mice and Rats in Research

Introduction to Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress
Investigator Responsibility
Minimizing Sources of Nonexperimental Variation
Systematically Monitoring for Pain and Distress
Detecting Clinical Signs of Pain and Distress
Appearance and Behavior
Physical Exam for Clinical Condition
Body Weight
Fluid and Electrolyte Balance
Body Temperature
Tumors
Alleviation of Pain and Distress
Documentation of Post-Procedure Care
Summary

Wildlife Research

Introduction to Wildlife Research Course
Oversight, Compliance, and Training
Permits, Pain and Distress Categories, Transportation, and Housing

Conducting Field Research and Teaching Studies
Research Procedures, Recognizing and Managing Pain, and Release

Working with Amphibians in Research Settings

Introduction to Working with Amphibians in Research Settings
Taxonomy, Research Mandates, and Occupational Health Issues
Alternatives Search, Housing, Source, and Acclimation and Quarantine
Biology, Pain and Distress, Handling, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Cats in Research Settings

Introduction to Working with Cats in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Source, and Acclimation and Quarantine
Detecting Pain and Distress. and Biological Features
Injections, Blood Collection, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Cattle in Agricultural Research Settings

Introduction to Working with Cattle in Agricultural Research Settings
Research Mandates and Animal Care
Biological Features
Veterinary Care- Part I
Veterinary Care- Part II
Occupational Health Hazards and Zoonoses

Working with Dogs in Research Settings

Introduction to Working with Dogs in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Source, and Acclimation and Quarantine
Detecting Pain and Distress and Biological Features
Injections, Blood Collection, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Fish in Research Settings

Introduction, Taxonomy, Research Mandates, and Occupational Health
Alternatives, Humane Standards, Housing, Source, and Acclimation and Quarantine
Biological Features
Recognizing Pain and Distress, Blood Collection, Identification and Routes of Administration
Anesthesia, Analgesia, Surgery, and Postoperative Care
Euthanasia

Working with Gerbils in Research Settings

Introduction to Working with Gerbils in Research Settings
Taxonomy, Research Mandates, and Occupational Health Issues
Strains, Biology, Injections and Blood Collection, and Pain Relief
Alternatives Search, Humane Standards, Housing, Acclimation and Quarantine, and Detection of Pain and Distress
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Guinea Pigs in Research Settings

Introduction to Working with Guinea Pigs in Research Settings
Taxonomy, Research Mandates, and Occupational Health Issues
Alternatives Search, Humane Standards, Acclimation and Quarantine, Housing, and Detection of Pain and Distress
Genetics, Biology, Injections and Blood Collection, Antibody Production, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Hamsters in Research Settings

Introduction to Working with Hamsters in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Acclimation and Quarantine, Detecting Pain and Distress
Species/Strains
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Horses in Agricultural Research Settings

Introduction to Working with Horses in Agricultural Settings
Research Mandates
Biological Features and Behavioral Characteristics
Veterinary Care
Occupational Health Hazards and Zoonoses
Euthanasia

Working with Mice in Research Settings

Introduction to Working with Mice in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Source, and Acclimation and Quarantine
Detecting Pain and Distress, Genetics, and Biological Features
Injections, Blood Collection, and Antibody Production
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Non-Human Primates in Research Settings

Introduction to Working With Non-Human Primates in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Source, and Acclimation and Quarantine
Detecting Pain and Distress, and Biological Features
Injections, Blood Collection, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Rabbits in Research Settings

Introduction to Working with Rabbits in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Searches
Detecting Pain and Distress, Genetics, and Biological Features
Injections, Blood Collection, Antibody Production, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Rats in Research Settings

Introduction to Working with Rats in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Searches, Humane Standards, Housing, and Acclimation and Quarantine
Detecting Pain and Distress, Genetics, and Biological Features
Injections, Blood Collection, Antibody Production, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with Reptiles in Research Settings

Introduction to Working with Reptiles in Research Settings
Background, Research Mandates, Zoonotic Diseases, and Occupational Health Considerations
Humane Standards, Housing, Procurement, and Quarantine
Biological and Behavioral Features
Detecting Pain and Distress, Capture, and Handling
Analgesics, Sedation, Anesthesia, Surgery, and Euthanasia

Working with Sheep and Goats in Research Settings

Introduction to Working with Sheep and Goats in Research Settings
Research Mandates and Animal Care
Biological Features and Behavioral Characteristics
Occupational Health Hazards and Zoonoses
Husbandry and Veterinary Care
Surgery, Anesthetics, Analgesics, and Euthanasia

Working with Swine in Research Settings

Introduction to Working with Swine in Research Settings
Research Mandates and Occupational Health Issues
Alternatives Search, Humane Standards, Housing, Source, and Acclimation and Quarantine
Pain and Distress
Injections, Blood Collection, and Pain Relief
Surgery, Supportive Care and Monitoring, Euthanasia, and References

Working with the IACUC

Working with the IACUC: Introduction
About the IACUC
Federal Laws, Policies, and Guidelines
Planning Research and Completing the Protocol Form
Procedures: Surgery, Antibody Production, and Blood Collection
Personnel and Their Welfare
Special Animal Welfare Considerations
Making Changes to an Approved Animal Use Protocol
Reporting Animal Use Concerns

Working with Zebrafish (*Danio rerio*) in Research Settings

Introduction, Background, Research Mandates, Zoonotic Diseases and Occupational Health Considerations
Humane Standards, Procurement and Quarantine, and Identification
Husbandry, Microenvironment, Nutrition, and Animal Records
Biological and Behavioral Features, the Zebrafish Genome, Reproduction and Development
Recognizing Pain and Distress, Restraint, Anesthesia and Sedation, Surgery and Euthanasia