

Essential online training for investigators, technicians, veterinarians, managers, and IACUC members in the laboratory animal science field.

ANIMAL CARE & USE COURSES LIBRARY

AALAS Certification Preparation

CMAR: Preparing for the Animal Resources Exam
Study & Test-Taking Skills
Taking an AALAS Technician Certification Exam

ALAT Training (2018)

- 1: The Field of Laboratory Animal Science
- 2: The Animal Research Environment
- 3: Facility Security & Emergencies
- 4: Occupational Health & Safety

Unit 1 Review Exam (ALAT 1–4)

- 5: Facility Equipment
- 6: Caging Systems
- 7: The Laboratory Animal Environment
- 8: Housekeeping Tasks & Contamination Control
- 9: Feed & Nutrition
- 10: Husbandry

Unit 2 Review Exam (ALAT 5–10)

- 11: Animal Procurement & Quarantine
- 12: Medications
- 13: Colony Health Surveillance
- 14: Euthanasia

Unit 3 Review Exam (ALAT 11–14)

- 15: Introduction to Science & Metrics
- 16: Experimental Design & Methodology
- 17: Heredity & Breeding

Unit 4 Review Exam (ALAT 15–17)

- 18: Mice
- 19: Rats
- 20: Hamsters
- 21: Gerbils
- 22: Guinea Pigs
- 23: Rabbits
- 24: Cats
- 25: Dogs
- 26: Swine
- 27: Ruminants

- 28: Nonhuman Primates
- 29: Birds
- 30: Fish

- 31: Amphibians
- 32: Ferrets

- 33: Less Common Research Animals
- Unit 5 Review Exam (ALAT 18–33)
Final Review Exam (ALAT 1–33)

LAT Training (2012)

- 1: Overview of Scientific Research
- 2: Policies, Guidelines & Regulations in Animal Research

- 3: Ethics in Animal Research
Unit 1 Review Exam (LAT 01-04)
- 4: Administrative Responsibilities
- 5: Laboratory Animal Facility Design & Environmental Management
- 6: The Aquatic Environment
Unit 2 Review Exam (LAT 05-06)
- 7: Anatomy & Physiology
- 8: Genetics & Breeding Colony Management
- 9: Calculations & Conversions
Unit 3 Review Exam (LAT 07-09)
- 10: Common Technical Procedures
- 11: Research Methodology
- 12: Surgical Instruments & Materials
- 13: Aseptic Technique, Surgical Support, & Anesthesia
Unit 4 Review Exam (LAT 10-13)
- 14: Diseases & Emergencies
- 15: Emergency Situations
Unit 5 Review Exam (LAT 14-15)
Final Review Exam (LAT 01-15)

LATG Training (2016)

- 1: Personnel Management
- 2: Training
- 3: Facility Management
- 4: Facility Security and Disaster Planning
- 5: Managing Compliance
- 6: Health Surveillance and Quality Assurance
- 7: Occupational Health and Safety
Unit 1 Review Exam (LATG)
- 8: Biochemistry, Nutrition, and Feed
- 9: Molecular Biology
- 10: Genetic Engineering
- 11: Gnotobiotics
Unit 2 Review Exam (LATG)
- 12: Immunology
- 13: Agents of Infectious Disease
- 14: Common Health Problems of Laboratory Animals
- 15: Diagnostic Techniques
- 16: Pharmacology
- 17: Anesthesia and Analgesia
Unit 3 and 4 Review Exam (LATG)
Final Review Exam (LATG 01-18)

Analgesia, Anesthesia, & Surgery

Aseptic Technique for Rodent Survival Surgery
Inhalation Anesthesia Systems for Rodents
Pain Management in Laboratory Animals
Post-Procedure Care of Mice & Rats in Research:
Minimizing Pain & Distress
Small Ruminant Anesthesia

Animal Health & Wellbeing

Environmental Enrichment
Introduction to Laboratory Animal Medicine
Laboratory Animal Nutrition

Bioethics

Ethical Case 1: Mouse in a Parasitology Experiment
Ethical Case 2: Rat with Partial Paralysis
Ethical Decision-Making in Animal Research

Bioimaging

Magnetic Resonance Imaging
Optical Imaging
PET and SPECT Imaging
Thermography Imaging

Biosecurity

Introduction to VA Biosecurity Concepts

Compliance & IACUC Training

Avoiding Financial Conflict of Interest in Federal Research
Common Compliance Issues
Essentials for IACUC Members
Maintaining Animal Procedure Areas
Post-Approval Monitoring
Refresher: Working with the IACUC
Semiannual Facility Inspection
Working with the IACUC

Calculations & Statistics

Basic Metrics for the Laboratory Animal Facility
Design and Statistical Analysis of Laboratory Animal Studies
Dose Calculations: Basic
Dose Calculations: Advanced
Fractions, Percentages, & Decimals

Facilities, Supplies, & Materials

Aquatic Animal Husbandry & Management
Cage Equipment Cleaning Using Mechanical Washers
Microbial Decontamination Principles & Chemical Disinfectants
Personal Protective Equipment for Working in a Laboratory Animal Facility
Physical Plant Work in the LAF—Manager Orientation
Physical Plant Work in the LAF—Technician Orientation
Syringes & Needles
Watering Systems

Management & Training

Active Listening
Communicating with the Non-Native English Speaker
Delegation & Empowerment
Reaching Out to the Public: A How to Guide

Standard Operating Procedures (SOPs)
 Team Building
 Time Management & Goal Setting
 Training in Laboratory Animal Science—An Overview
 Writing Multiple Choice Questions

Occupational Health & Safety

Bloodborne Pathogens Training
 Compassion Fatigue
 Ergonomics: Working Smart
 Health Risks & Safety Procedures for Working with Nonhuman Primates
 Introduction to Ergonomics
 Laboratory Animal Allergy

Scientific Reproducibility

Effect of Macroenvironmental Variables on Reproducibility
 Reproducibility in Preclinical Imaging

Species-Specific Courses

Introduction to Amphibians
 Introduction to Bats
 Introduction to Cats
 Introduction to Cattle
 Introduction to Chinchillas
 Introduction to Cotton Rats
 Introduction to Dogs
 Introduction to Ferrets
 Introduction to Fish
 Introduction to Gerbils
 Introduction to Guinea Pigs
 Introduction to Hamsters
 Introduction to Mice
 Introduction to Monodelphis Opossums
 Introduction to Nonhuman Primates
 Introduction to Rabbits
 Introduction to Rats
 Introduction to Sheep & Goats
 Introduction to Swine
 Introduction to Wildlife
 Introduction to Woodchucks

Working with Laboratory Xenopus
 Working with Laboratory Zebrafish
 Working with Poultry in the Laboratory
 Working with the Laboratory Dog (5 courses):

- The Basics
- Endotracheal Intubation
- Injections & Blood Collection
- Urinary Catheterization
- Venous Catheterization

 Working with the Laboratory Ferret
 Working with the Laboratory Mouse
 Working with the Laboratory Rat

Toxicology

Toxicological Research I: Basics
 Toxicological Research II: Drug and Biological Product Development
 Toxicological Research III: Risk Assessment and Policy

U.S. Mandates & Guidelines

Animal Welfare Act Regulations
 AVMA Guidelines for the Euthanasia of Animals: 2013 Edition
 Biosafety in Microbiologic & Biomedical Laboratories (5th Edition)
 Export Control Regulations
 Good Laboratory Practice Regulations
 Guide for the Care and Use of Agricultural Animals in Research and Teaching (3rd Edition)
 Guide for the Care & Use of Laboratory Animals (8th Edition 2011)
 NIH Guidelines for Research with Recombinant or Synthetic DNA
 Occupational Health & Safety in the Care & Use of Research Animals
 Orientation to Biosafety in Microbiological and Biomedical Laboratories: 5th Ed
 PHS Policy on Humane Care & Use of Laboratory Animals
 Working with Controlled Substances

HUMAN RESEARCH PROTECTIONS LIBRARY

Protecting Human Research Participants (Biomedical) ANIMAL BIOSAFETY TRAINING PROGRAM LIBRARY

AALAS Animal Biosafety Training Program Introduction
 Animal Biosafety Risk Assessment & Management
 Animal Facility Designs for Biocontainment
 Biocontainment Equipment
 Biosecurity in Animal Biocontainment Facilities
 Concepts & Practices of Animal Biosafety: ABSL-2 & ABSL-3
 Incident Planning & Response within the Animal Biocontainment Facility
 Institutional Responsibilities & Animal Biosafety
 Microbiological Decontamination in Biocontainment
 Occupational Health & Animal Biosafety
 Select Agents & Toxins Regulations
 Working Safely with Laboratory Animals in Biocontainment
 Working Safely with Nonhuman Primates in Biocontainment
 Working Safely with Poultry in Biocontainment
 Working Safely with Rabbits & Ferrets in Biocontainment
 Working Safely with Rodents in Biocontainment
 Working Safely with Ungulates in Biocontainment

TRANSGENICS TRAINING PROGRAM LIBRARY

An Introduction to the AALAS Transgenics Training Program
 Colony Management I: Basics
 Colony Management II: Daily Workflow
 Colony Management III: Plans and Strategies
 Genetics: The Basics
 Genetics: Transgenic Mice
 Nomenclature: Mice
 Nomenclature: Rats
 Transgenic and Gene-Targeted Technology

ADVANTAGES OF INSTITUTIONAL GROUP SUBSCRIPTIONS

- Access to group training records*
- Data automation services—federated single sign-on, transcript downloads*
- Create your own course or customize one of ours—up to 15 courses free!
- Training Management tools—assign courses, get completion notifications
- Customize your group's course tracks for easy navigation.
- Friendly customer service by phone or email.

FEATURES FOR USERS

- Practice questions & final exams
- Personal transcripts
- Certificates of completion
- Training Program Certificates
- Continuing Education Units (CEUs); RACE CEs

PRICING FOR 1-YEAR SUBSCRIPTION

Note: Member rates for group subscriptions are available to institutional & commercial members, & AALAS branches & global partners. Large group enrollment is available to AALAS institutional & commercial members only.

***Additional Services** (available only to groups of institutions & companies with a paid account subscription.)

Automated Data Services:
 \$350 members/\$700 nonmembers
 1–15 Custom Courses:
 \$0 members/nonmembers
 16–50 Custom Courses:
 \$1,000 members/ \$2,000 nonmembers

	Seats	Members	Nonmembers
Individual	1	\$105	\$180
Group Enrollment	8	\$650	\$1,000
	16	\$950	\$1,300
	31	\$1,050	\$1,500
	51	\$1,250	\$1,800
	76	\$1,500	\$2,200
	150	\$1,900	\$2,500
	175	\$2,100	\$2,900
Large Group Enrollment	2000	\$2,700	\$3,900
	5000	\$3,700	\$4,900

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