

# AALAS LEARNING LIBRARY

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



## Advantages of Institutional Group Subscriptions

- Access to group training records\*
- Data automation services—auto-login, 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.

## Features for Users

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

## Pricing for 1-year group subscription

	Accounts in Group	Members (see note below)	Nonmembers
<b>Individual</b>	1	\$105	\$180
	8	\$650	\$1,000
	16	\$950	\$1,300
<b>Group Enrollment</b>	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
<b>Large Group Enrollment</b>	2000	\$2,700	\$3,900
	5000	\$3,700	\$4,900

**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

## AALAS Learning Library Course Catalog 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 Technologies (coming soon)

## Human Research Protections Library

- Protecting Human Research Participants (Biomedical)

## 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\*

# AALAS Learning Library Course Catalog continued

## ALAT Training

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: Amphibians  
31: Fish  
32: Less Common Research Animals  
Unit 5 Review Exam (ALAT 18–32)  
Final Review Exam (ALAT 1–32)

## LAT Training

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

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  
18: Experimental Design and Data Handling  
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

## Conversions & Calculations

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 †  
Syringes & Needles  
Watering Systems †

## Management & Training

Active Listening

Communicating with the Non-Native English Speaker  
Delegation & Empowerment  
Standard Operating Procedures (SOPs)  
Reaching Out to the Public: A How to Guide  
Team Building  
Time Management & Goal Setting  
Workplace Training  
Writing Multiple Choice Questions\*

## Occupational Health & Safety

Bloodborne Pathogens Training †  
Ergonomics: Working Smart  
Health Risks & Safety Procedures for Working with Nonhuman Primates  
Introduction to Ergonomics  
Laboratory Animal Allergy  
Personal Protective Equipment for Working in a Laboratory Animal Facility †

## Species-Specific Courses

Introduction to Amphibians\*  
Introduction to Cats\*  
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  
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: Basics

## U.S. Mandates & Guidelines

8<sup>th</sup> Edition of the Guide for the Care & Use of Laboratory Animals  
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)  
NIH Guidelines for Research with Recombinant or Synthetic DNA  
Occupational Health & Safety in the Care & Use of Research Animals  
PHS Policy on Humane Care & Use of Laboratory Animals  
Working with Controlled Substances

\* You can take this course free (in the Free Courses track), but you need an account to receive transcript documentation.

† These courses are approved by AAVSB for RACE CEs.