



# AALAS LEARNING LIBRARY

Animal Care and Use in Research and Education

[www.aalaslearninglibrary.org](http://www.aalaslearninglibrary.org)

## NEW! Animal Biosafety Training Program

The biosafety program focuses on how to work safely with commonly used laboratory animals in biocontainment at these Animal Biosafety Levels: ABSL-2, ABSL-2 Enhanced, ABSL-3, and ABSL-3 Enhanced. Some courses for the Animal Biosafety Training Program are now online. The program will consist of 16 courses in all, with courses being added to the library through summer 2012 to complete the program.

## Advantages of Institutional Enrollment

- Access to all training records (institutional/commercial members only)
- Data automation services—auto-login, transcript download\*
- Custom course hosting\*

## Features

- Practice questions and final exams
- Personal transcripts
- Certificates of completion
- Continuing Education Units (CEUs)
- Customizable course menus for groups
- Access to all courses for a year

## Customizable Courses

Institution/company groups: Customize up to 15 courses FREE!

- Animal Welfare Act Regulations
- Aseptic Technique for Rodent Survival Surgery
- Biosafety in Microbiologic and Biomedical Laboratories
- Common Compliance Issues
- Essentials for IACUC Members
- Euthanasia of Research Animals: AVMA Guidelines
- Good Laboratory Practice Standards
- Guide to the Care and Use of Laboratory Animals
- Introduction to Amphibians
- Introduction to Cats
- Introduction to Dogs
- Introduction to Gerbils
- Introduction to Guinea Pigs
- Introduction to Hamsters
- Introduction to Mice
- Introduction to Nonhuman Primates
- Introduction to Rabbits
- Introduction to Rats
- Introduction to Swine
- Occupational Health and Safety in the Care and Use of Research Animals
- Post-Approval Monitoring
- Public Health Service Policy on Humane Care and Use of Laboratory Animals
- Refresher: Working with the IACUC
- Working with Controlled Substances
- Working with the IACUC: non-VA version
- Working with the IACUC: VA version

## Pricing

	Accounts in Group	Members (see note below)	Nonmembers
<b>Group Enrollment</b>	8	\$550	\$800
	16	\$800	\$1,100
	31	\$900	\$1,300
	51	\$1,100	\$1,600
	76	\$1,300	\$1,900
	150	\$1,700	\$2,200
<b>Large Group Enrollment</b>	175	\$1,900	\$2,700
	2000	\$2,200	\$3,200
	5000	\$3,300	\$4,300

**Note:** Member rates for group enrollment are available to AALAS global partners, institutional and commercial members, and AALAS branches. Member rates for large group enrollment are available to AALAS institutional and commercial members only.

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

Automated Data Services: \$200 members/\$400 nonmembers  
 1–15 Custom Courses: \$0 members/nonmembers  
 16–50 Custom Courses: \$1,000 members/ \$2,000 nonmembers

# AALAS Learning Library Course Catalog: January 2012

## ALAT Training

- 1: The Field of Laboratory Animal Science\*
- 2: The Animal Research Environment\*
- 3: Facility Security and Emergencies
- 4: Occupational Health and Safety
- Unit 1 Review Exam (Lessons 1–4)
- 5: Facility Equipment
- 6: Caging Systems
- 7: The Laboratory Animal Environment
- 8: Housekeeping Tasks and Contamination Control
- 9: Feed and Nutrition
- 10: Husbandry
- Unit 2 Review Exam (Lessons 5–10)
- 11: Animal Procurement and Quarantine
- 12: Medications
- 13: Colony Health Surveillance
- 14: Euthanasia
- Unit 3 Review Exam (Lessons 11–14)
- 15: Introduction to Science and Metrics
- 16: Experimental Design and Methodology
- 17: Heredity and Breeding
- Unit 4 Review Exam (Lessons 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 (Lessons 18–32)
- Final Review Exam (Lessons 1–32)

## LAT Training

- 1: Public and Private Interests in Animal Research\*
- 2: Administrative Responsibilities \*
- 3: Laboratory Techniques
- 4: Genetics and Breeding
- 5: Anatomy and Physiology
- Review Exam (Lessons 1-5)\*\*
- 6: Laboratory Animal Facility Equipment
- 7: The Laboratory Environment
- 8: Animal Health Maintenance
- 9: Health and Disease
- 10: Diagnostic Techniques
- Review Exam (Lessons 6-10)\*\*
- 11: Aseptic Technique, Surgical Support and Anesthesia
- 12: Emergency Veterinary Care
- 13: Research Methodology
- 14: Calculations and Conversions
- Review Exam (Lessons 11-14)\*\*
- Final Review Exam (Lessons 1-14)\*\*

## LATG Training

- 1: Personnel Management
- 2: Facility Management
- 3: Facility Security and Disaster Planning
- 4: Regulations
- 5: Health Surveillance and Quality Assurance
- 6: Occupational Health and Safety
- Unit 1 Review Exam (Lessons 1–6)\*\*
- 7: Introduction to Organic Chemistry and Biochemistry
- 8: Molecular Biology

- 9: Immunology
- 10: Genetic Engineering
- 11: Gnotobiotics
- Unit 2 Review Exam (Lessons 7–11) \*\*
- 12: Agents of Infectious Disease
- 13: Common Diseases of Laboratory Animals
- 14: Diagnostic Techniques
- 15: Pharmacology
- 16: Anesthesia and Analgesia
- Unit 3 Review Exam (Lessons 12–16)\*\*
- 17: Experimental Design and Data Handling
- Final Review Exam (Lessons 1–17) \*\*

## AALAS Certification Preparation

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

## Analgesia, Anesthesia, and Surgery

- Aseptic Technique for Rodent Survival Surgery  
Inhalation Anesthesia Systems for Rodents  
Pain Recognition and Alleviation in Laboratory Animals  
Post-Procedure Care of Mice and Rats in Research:  
Minimizing Pain and Distress  
Small Ruminant Anesthesia and Intra-Operative Monitoring

## Animal Biosafety Training Program

- Animal Biosafety Risk Assessment and Management  
Concepts and Practices of Animal Biosafety:  
ABSL-2 and ABSL-3  
Institutional Responsibilities and Animal Biosafety  
Introduction to the AALAS Animal Biosafety Training Program  
Occupational Health and Animal Biosafety

## Animal Health and Well Being

- 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

## Biomethodology: Amphibians

- Introduction to Amphibians  
Working with Laboratory *Xenopus*

## Biomethodology: Dogs

- Introduction to Dogs  
Working with the Laboratory Dog (5 courses):
- The Basics
  - Endotracheal Intubation
  - Injections and Blood Collection
  - Urinary Catheterization
  - Venous Catheterization

## Biomethodology: Ferrets

- Introduction to Ferrets  
Working with the Laboratory Ferret

## Biomethodology: Other Species

- Introduction to Cats  
Introduction to Nonhuman Primates  
Introduction to Rabbits  
Introduction to Sheep and Goats  
Introduction to Swine  
Working with Laboratory Zebrafish  
Working with Poultry in the Laboratory

## Biomethodology: Rodents

- Genetically Engineered Mice (3 courses):
- Historical Perspectives
  - Evaluating the Phenotype
  - Transgenesis/ Conditional Control Systems
- Introduction to Gerbils  
Introduction to Guinea Pigs  
Introduction to Hamsters  
Introduction to Mice  
Introduction to Rats  
Mouse Breeding Colony Management  
Working with the Laboratory Mouse  
Working with the Laboratory Rat

## Biosecurity

- Introduction to VA Biosecurity Concepts  
Laboratory Biosecurity

## Conversions and Calculations

- Basic Metrics for the Laboratory Animal Facility  
Dose Calculations: Basic  
Fractions, Percentages, and Decimals

## Compliance Courses

- 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: non-VA version  
Working with the IACUC: VA version

## Facilities, Supplies, and Materials

- Selection of Cage Cleaner Products—  
Chemistry Driven  
Syringes and Needles  
Watering Systems

## Management and Training

- Active Listening  
Communicating with the Non-Native English Speaker  
Delegation and Empowerment  
Team Building  
Time Management and Goal Setting  
Workplace Training  
Writing Multiple Choice Questions

## Occupational Health and Safety

- Bloodborne Pathogens Training  
Ergonomics for Animal Technicians  
Health Risks and Safety Procedures for Working with Nonhuman Primates  
Introduction to Ergonomics  
Laboratory Animal Allergy

## U.S. Mandates and Guidelines

- Animal Welfare Act Regulations  
Biosafety in Microbiologic and Biomedical Laboratories (5th Edition)  
Euthanasia of Research Animals: AVMA Guidelines  
Good Laboratory Practice Regulations  
Guide to the Care and Use of Laboratory Animals  
Occupational Health and Safety in the Care and Use of Research Animals  
PHS Policy on Humane Care and 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 designed to help individuals prepare for the certification exams; they do not provide CEUs.