

Certification Examination

Guide to the Responsible Care and Use of Animals in Teaching and Research Handbook

<http://www.uwm.edu/Dept/EHSRM/ACP/MANUAL/index.html>

Exam A

Please Print:

Name _____ Department _____

Faculty Contact _____

Campus Phone _____ Home Phone _____

Classification: Faculty ____, Academic Staff ____, Graduate Student ____,

Technician ____, Student Helper ____, Animal Caretaker ____,

Other _____

Introduction

1. What can the animal care program do for you?
 - a. Provide training in all aspects of animal use for individuals working with animals
 - b. Provide care for sick and injured animals
 - c. Provide the best possible animal care in a consistent manner to ensure that you have healthy animals to provide reliable data
 - d. Help ensure the health and safety of personnel
 - e. All of the above

Chapter 1: General Principles and Concepts

2. The NRC Guide for the Use of Laboratory Animals in Accordance with the PHS Policy covers:
 - a. All vertebrate and non-vertebrate species
 - b. Mammals only
 - c. Animals used in extramurally funded research projects only
 - d. Any live vertebrate animal used or intended for use in research, teaching or other activities.

Chapter 1: General Principles and Concepts

3. UWM files a Statement of Assurance with:
 - a. USDA
 - b. Wisconsin Department of Agriculture
 - c. OLAW (Office of Laboratory Animal Welfare)
 - d. FDA

Chapter 1: General Principles and Concepts

4. The responsibility for enforcing the Animal Welfare Act lies with:
 - a. Animal rights organizations
 - b. NIH
 - c. USDA
 - d. FDA

Chapter 1: General Principles and Concepts

5. The care and use of animals for teaching projects requires the same standards as those for research experiments.

True

False

Chapter 2: Organizational Structure for Animal Care and Use at UWM

6. Principal Investigators must have a protocol approved by the Institutional Animal Care and Use Committee prior to conducting any teaching or research experiments involving live, vertebrate animals.

True

False

Chapter 2: Organizational Structure for Animal Care and Use at UWM

7. At UWM, the Animal Care Program is administered by the Department of University Safety and Assurances with oversight by the Attending Veterinarian.

True

False

Chapter 2: Organizational Structure for Animal Care and Use at UWM

8. The IACUC (Institutional Animal Care and Use Committee) must:
- Review at least annually the institution's program for humane care and use of animals.
 - Inspect at least semiannually all of the institution's animal facilities, including satellite facilities.
 - Order animals for individual researchers.
 - Order food and bedding supplies for researchers.

Chapter 2: Organizational Structure for Animal Care and Use at UWM

9. The IACUC has the authority to suspend an activity involving animals if it is found to be out of compliance with federal and state laws or UWM policy.

True

False

Chapter 2: Organizational Structure for Animal Care and Use at UWM

10. The Principal Investigator or course instructor has the responsibility to ensure that personnel who handle the animals they use have received appropriate training before working with animals.

True

False

Chapter 2: Organizational Structure for Animal Care and Use at UWM

11. The IACUC is appointed by the Chancellor and consists of:
- A Doctor of Veterinary Medicine
 - Faculty members
 - A lay person (community member)
 - All of the above

Chapter 2: Organizational Structure for Animal Care and Use at UWM

12. The IACUC (Institutional Animal Care and Use Committee) is responsible for dealing

with complaints concerning the welfare of animals or issues of non-compliance with animal care policy.

True

False

Chapter 3: Review of Animal Protocols

13. Protocol approval can remain in effect for three years with annual reviews required. Any significant alterations require submission of a new protocol or an addendum to the original.

True

False

Chapter 3: Review of Animal Protocols:

14. Any activity involving the use of vertebrate animals, whether for teaching, research or field studies, including observational studies, must have an IACUC (Institutional Animal Care and Use Committee) approval regardless of the source of funding.

True

False

Chapter 4: Ethics and Alternatives

15. Alternatives to animal experimentation include:
- Models and computers
 - In vitro methods
 - Audio-visual aids
 - All of the above

Chapter 4: Ethics and Alternatives

16. In considering alternatives to animal use the PI should address the 3 r's which include:
- Reduction**- any strategy to result in fewer animals being used to obtain the same amount of information
 - Replacement**- any experimental system which does not entail the use of a whole, living animal
 - Refinement**- the modification of any procedures so as to minimize the pain and distress experienced by the animal and enhance its well-being.
 - All of the above

Chapter 5: Animal Facilities

17. Which of the following statements are true regarding animal facilities:
- The Animal Welfare Act defines an animal facility as anywhere the animals are housed for more than 12 hours.
 - The PHS Policy defines satellite facilities as any housing area outside of the main facility where animals are housed for more than 24 hours.
 - All animal facilities and study areas are inspected by the Institutional Animal Care and Use Committee at least every 6 months.
 - All of the Above

Chapter 6: Veterinary Medical Care

18. If you suspect that an animal is sick, you should:
- Isolate the animal if possible
 - Inform the Investigator
 - Call the Attending Veterinarian
 - All of the above

Chapter 8: Guidelines for Animal Identification , Census Records, Standard Operating Procedures and Environmental Enrichment

19. All animals on campus must be identified by an approved IACUC (Institutional Animal Care and Use Committee) Protocol Number either on the cage card or on the room or tank card.

True

False

Chapter 10: Occupational Health and Safety/Occupational Health Program Brochure

20. The occupational health program for animal users offers a voluntary health assessment questionnaire that may be completed by any individual who may be exposed to animals or animal tissues.

True

False

Chapter 10: Occupational Health and Safety

21. Prevention of zoonotic diseases includes:

- Not eating or drinking in animal rooms
- Disregarding use of protective equipment
- Entering animal rooms when you are sick
- Cleaning animal rooms without gloves on

Chapter 12: Pain, Distress, Analgesia and Anesthesia

22. Analgesia (pain relief) should be provided to animals if they undergo a procedure that is likely to cause pain or distress, unless specific exception is granted by the Institutional Animal Care and Use Committee based on scientific justification.

True

False

Chapter 12: Pain, Distress, Analgesia and Anesthesia

23. Some indications that animals may be in pain or distress include:

- vocalization
- depression or other behavioral change
- abnormal appearance or posture
- immobility
- any of the above

Chapter 13: Guidelines and Procedures for Rodent and Avian Surgeries

24. Non-survival surgery at a minimum requires that the surgical site be clipped, the surgeon should wear gloves and the instruments and surrounding area should be clean.

True

False

Chapter 14: Euthanasia Guidelines

25. Animals should be euthanized in a humane manner in accordance with:

- USDA guidelines
- AVMA guidelines
- NIH guidelines
- FDA guidelines

Certification:

I have read the training manual "Guide to the Responsible Care and Use of Animals in Teaching and Research" and have completed this examination.

Signed:

Date:

Each answer is worth 4 points. Anyone with five or more incorrect answers will be required to retake the exam. Individuals will be notified that they are certified for animal use at UWM upon successful completion of this exam.

Return the completed exam to: Dr. Berri R. Forman
Animal Care Program

Or Mail to: Department of University Safety
and Assurances

Ext. 6016 or 6339

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