



**Animal Care Committee**  
 Animal Utilization Protocol  
 Teaching Form  
**Instructions**

**For Office Use Only**

Revised Form - November 2015

Date Received:

Protocol #:

File #:

**Note:**

- Hand written protocols will not be accepted for review.
- Protocols are due the 1<sup>st</sup> Friday of every month.
- When submitting a protocol with Proprietary Compounds, state in the e-mail subject line: **Proprietary Compounds**.
- Both the signed hardcopy and electronic protocol submission must be submitted by the deadline date.
- Submit one copy of original protocol to ACC Admin. in the Dept. of Biomedical Sciences, AVC.
- Submit an electronic copy to [animalcare@upei.ca](mailto:animalcare@upei.ca).
- Retain a copy for your files.

**Section 1 – Pedagogical Merit**

Teaching protocols require departmental review for pedagogical merit (See Appendix C)  
 (After PMR Form has been approved attach it to the hardcopy of the AUP Teaching Form)  
**Appendix C can be located on Research Services' website.**

**Section 2 - Course Number & Name, Proposed Start Date, Expected Completion Date**

Course Number & Name: \_\_\_\_\_  
 Proposed Start Date of Course: \_\_\_\_\_  
 Expected Completion Date of Course: \_\_\_\_\_

**Section 3 - Course Coordinator**

Name: **Must be an UPEI Faculty Member** \_\_\_\_\_ Dept.: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Work Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_  
 \*List Date & Place of Completion of Most Recent Animal User Training: \_\_\_\_\_

**Section 4 - Category of Invasiveness - (Highest Level)**

From Section 12 - Procedures (Place an "X" in a box:)

A	B	C	D	E

<b>Section 5 - Personnel</b>			
<b>Designated Emergency Contact(s)</b>	<b>Department</b>	<b>Home # / Work #</b>	<b>*List Date &amp; Place of Completion of Most Recent Animal User Training.</b>
<b>May be any member of the team but must have the authority to act on behalf of the team (i.e. make decisions).</b>	<b>This section must be filled in for all listed below.</b>	<b>This section must be filled in for all listed below.</b>	<b>This section must be filled in for all listed below.</b>
<b>Teaching Faculty / Staff / Assistants</b>	<b>Department</b>	<b>Work #</b>	<b>*List Date &amp; Place of Completion of Most Recent Animal User Training.</b>
<b>Names of all animal care or use technicians who perform the procedures in Section #12.</b>			

**NOTE:** The Animal User Training Course is mandatory for faculty, graduate students, research technicians / technologists, research assistants / associates, postdoctoral fellows and undergraduate students. Only AVC DVM students while in the DVM program are exempt from taking the AUT Course. **\*Training must be updated every 5 years.**

**Section 6 - Teaching Protocol General Information**

**A) Does this application replace an existing protocol? (Place an "X" in a box)**

	Yes - List Protocol #: _____ File #: _____
	No

**Section 7 - CCAC Reporting Data**

For CCAC reporting purposes, please write a summary description of your project (40 words or less), in terms understandable to a non-scientist. Example: Sampling blood from fish exposed to Virus X.

**The summary must be simple and describe your course in 40 words or less. It must be able to be understood by lay people.**

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**Section 8 - Purpose of Animal Use Category**

Applies to all teaching protocols.

x	5 - Education and training of individuals in post-secondary institutions or facilities.
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**Section 9 - Animals to be used**

A) List all animals involved in the course.

Species	Strain	No. needed at one time	Total Requirement for Year 1	Housing (Bldg & Rm)	Experimental (Bldg & Rm)
List all species and,	where applicable strain of animals to be used.			Consult with the Animal Resource Managers to ensure appropriate accommodation is available.	

B) Indicate consideration given to reduce the use of animals. (If possible provide appropriate statistics / power calculations).

Use the fewest number of animals necessary to achieve educational objectives.

Place an "X" in a box:

C) Does the project involve the use of client-owned animals?

Yes

No

If "yes" did you attach a copy of the "Client Consent Form"? (See Appendix B)

Appendix B can be located on Research Services' website.

Yes

No

**Section 10 - Procurement**

A) Where will animals be procured from: (Place an "X" in Box / List Source and Ownership)

Laboratory Stock:	<input type="checkbox"/>	Source: _____	Ownership: _____
Farm/Stockyard:	<input type="checkbox"/>	Source: _____	Ownership: _____
Wild Population:	<input type="checkbox"/>	Source: _____	Ownership: _____

B) Trapping Wildlife

Does this section apply to your protocol? (Place an "X" in a box)

Yes

No

If you checked "yes" fill out the rest of this section if you checked "no" you may omit this section.

Name of license holder: \_\_\_\_\_

Permit / License #: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Attach copies of all permits. Copies of all permits must be provided to the ACC once obtained.

Specify: Method of capture (if a trap is used, indicate type of trap, its injury potential and monitoring frequency).

Transportation and / or housing of animals in the field:

Capture of non-target species:

Potential injuries or mortality during capture:

Potential ecological disruption (type and degree of disruption anticipated):

Disposal of animals (e.g. euthanasia, release to field):

## Section 11 - Reduction, Refinement, and Replacement

In accordance with the Canadian Council on Animal Care's request for compliance with the principles of "Reduction, Refinement, and Replacement":

A) Explain steps taken to minimize the number of animals used:

B) What consideration has been given to the use of alternative methods which do not involve live animals, for example computer simulations, videos, etc.?

C) What was the rationale in selecting the animal species/strain for this teaching exercise?

## Section 12 - Procedures

Review categories of invasiveness in animal experiments [www.upei.ca/research/research-services/research-certifications/animal-care](http://www.upei.ca/research/research-services/research-certifications/animal-care).

A) For either groups of animals or individual animals, list all procedures and indicate what measures will be taken to alleviate or minimize pain and/or distress to the animal.

Include conditioning programs, screening for behavioural soundness, pre-operative assessment, post-operative care, specify analgesics & anaesthetics with dosages and routes of administration, and special procedures used; attach SOP's if available. Include euthanasia protocol if part of the usual procedures.

Species / Number of Animals	Procedures	Frequency / Duration	Analgesic / Anaesthetic (If none, please explain)	Dosage	Category of Invasiveness (A - E)
	List all procedures that will be carried out on the animals.				A - E

B) Specify the criteria that will be used to assess the level of analgesia / anaesthesia required.

List different reflexes and other physiological factors that will be used to assess anaesthetic depth or euthanasia (e.g. toe pinch response, not breathing, no heart beat).

C) Give a sequential description of the use of animals in this teaching exercise.

This is a "job description" of what happens to the animal(s) from start to finish of the project. Be aware of the temperature, humidity requirements, food preferences for each species (see CCAC Guidelines).

**Section 13 - Animal Care**

A) List all the individuals who will carry out the above procedures. Provide their technical qualifications and relevant experience in performing these procedures.

Name	Procedure(s) to be Performed	Qualifications / Experience with These Procedures
	<p>List the training that each person has undertaken. This needs to be general (i.e. Graduate Course) as well as specific (i.e. Rodent Module). Include the dates of training. What additional training will take place? Who will do the training? List the procedures each person will be performing.</p>	<p>List experience with specific procedures.</p>
		<p>If you need more space for animals involved, please insert new rows.</p>

B) Explain refinements that have been made to minimize pain, distress and/or discomfort to the animals. Refer to the above listed procedures. (i.e. modified procedures)

What changes or innovations have been made to the project to minimize pain, distress and discomfort in the animals - for example changes in housing, social conditions, as well as refinement of technical procedures. See CCAC Guidelines, Volume 1.

**Section 14 - Endpoints**

A) Indicate any clinical conditions or abnormalities which may occur.  
 (eg. Behavioural changes such as increased or decreased grooming, vocalizations or postural changes, or physical abnormalities such as anorexia, dehydration, diarrhea, etc.)

B) Specify what health performance parameter(s) or other criteria triggers the decision for termination of the experiment or the animal. List the people who are responsible for these decisions.  
 (eg. Weight loss. Refer to CCAC guidelines on "Choosing an appropriate endpoint in experiments using animal for research, teaching and testing" at [www.ccac.ca](http://www.ccac.ca).)

C) The interval(s) of monitoring of animals are to be clearly described and specific details must be provided where possible.

## Section 15 - Euthanasia / Disposition

A) Specify the method of euthanasia and dosage:

B) Provide justification for use of any physical method of euthanasia (e.g. cervical dislocation, decapitation, etc.) without prior use of anaesthetic:

C) Final disposition of animals if not euthanized:

## Section 16 - Hazardous Agents

A) Biohazardous Materials: (Place an "X" in any of the boxes that are used in this project)

<input type="checkbox"/>	Bacteria
<input type="checkbox"/>	Mycoplasma
<input type="checkbox"/>	Virus
<input type="checkbox"/>	Parasite
<input type="checkbox"/>	Fungi
<input type="checkbox"/>	Algae
<input type="checkbox"/>	Unfixed animal blood, tissue, cells, body fluids
<input type="checkbox"/>	Unfixed human blood, tissue, cells, body fluids
<input type="checkbox"/>	Cell culture
<input type="checkbox"/>	Non-indigenous life form (not found in PEI)
<input type="checkbox"/>	Procedures involving large scale production of micro-organisms (>10 L)
<input type="checkbox"/>	Genetically modified micro-organisms, animals, or plants
<input type="checkbox"/>	Biological toxin

Are any of the above applicable? (Place an "X" in a box)

Yes

No

If you checked "yes" fill out the rest of this section, if you checked "no" you may proceed to 15 B).

If **any** of the above are applicable to your project, you must obtain a biosafety permit as outlined in the University's Biosafety in Research and Teaching Policy **before** beginning work on your project. Exceptions might exist in some cases. These must be determined by the Biosafety Committee. Research carried out without obtaining a Biosafety Permit when necessary, will be treated as failure to comply with University policy and will result in a review by the Biosafety Committee and may lead to disciplinary action. Contact the Biosafety Officer if you have any questions.

If your project includes an animal population infected with a pathogen transmissible to humans or other animals, this must be noted in the biohazardous materials inventory (in addition to all biohazardous substances under your control).

Are you a registered user of this inventory? (Place an "X" in a box)

Yes

No

If you need assistance in accessing this inventory, please contact the Biosafety Officer.

Has a Biosafety Permit Application been submitted? (Place an "X" in a box)  Yes  No  
 Has a Biosafety Committee Approval been obtained? (Place an "X" in a box)  Yes  No  
 Biosafety Permit Number for this project, if available: \_\_\_\_\_

B) Are hazardous agents listed below used in this project?  
 Is this applicable: (Place an "X" in a box)  Yes  No  
 If you checked "yes" fill out the rest of this section if you checked "no" you may omit this section.

Type:	Specify Agent:
Radio-Isotope	<b>Remember to include all chemicals and anaesthetic drugs, and to fill in the special care required, below.</b>
Carcinogen	
Chemical	
Other (e.g. electroshock)	

Specify what special animal care is required because of the hazard(s) involved:  
 \_\_\_\_\_

**Section 17 - Emergency Veterinary Care**

In the event of an animal health emergency, if contact cannot be made with the personnel listed in Section 2 and 4, the decision of an University Veterinarian or the Director of Animal Resources will be final.

Do any restrictions to normal veterinary care procedures apply to this course?  Yes  No  
 (Place an "X" in a box)

If YES, attach specific instructions for the University Veterinarian.

**Section 18 - Signatures**

Following approval, a protocol number and file number will be assigned. These numbers must be used when ordering animals and it is understood that these animals will be used only as described in this protocol.

- This animal utilization protocol is **VALID FOR 12 MONTHS** from the date of commencement.
- Multi-year animal utilization protocols can be renewed for a **MAXIMUM OF 4 YEARS IN TOTAL**.

This animal utilization protocol accurately describes all the proposed animal use. It will be kept current and will be modified only after obtaining the approval of the Animal Care Committee.

All procedures will be carried out by the personnel listed in Section #12 who are trained and competent in using approved techniques and standard operating procedures.

The University Veterinarian will be notified within 24 hours of any unexpected problems or complications involving animal health and wellbeing in this teaching protocol.

I certify the information provided is accurate and complete:

**Principal Instructor:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Department Chair:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Owner of Teaching  
Animals' Department Chair:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
(If Different than above)

**Section 19 - Approval**

**CERTIFICATION STATEMENT:** The Animal Care Committee, having examined the proposal for the above project on matters relating to animal care and use, approves the experimental procedures proposed and certifies with the applicant that the care and treatment of animals used will be consistent with the University policy and will be in accordance with the principles outlined in the "Guide to the Care and Use of Experimental Animals" prepared by the Canadian Council on Animal Care. The Animal Care Committee also recognizes and respects the right of the investigator to privacy and confidentiality concerning the information presented in this protocol.

**Chairperson, UPEI ACC:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved period for animal use beginning:** \_\_\_\_\_ **ending:** \_\_\_\_\_