

Animal Use Protocol Application to Use Animals for Teaching

The use of animals for teaching is a privilege. Before a protocol to use animals in the classroom or teaching laboratory exercise is approved, the primary instructor must show that the use of animals is justified, that the project has pedagogical merit, and that the procedure to which the animals will be submitted will be carried out humanely and in accordance with CCAC standards. Approved protocols will be valid for a period of 1 year and may be renewed (with minor revisions if required) in year 2 and 3, with re-application in year 4.

Please submit a signed original and an electronic version of the complete application to the Animal Care Coordinator at office AS149 and e-mail to kjohnston@gprc.ab.ca.

FOR ANIMAL CARE COMMITTEE USE ONLY
Animal Use Protocol Number: _____
Date of ACC Final Approval: _____
Date of Pedagogical Merit Approval: _____

1. PERSONNEL

Principal Instructor (PI) Name (first and last)	Position	Department	Phone Number(s)	E-mail
Co-Instructor(s)	Position	Department	Phone Number(s)	E-mail
Technical Staff/Animal Care Staff	Position	Department	Phone Number(s)	E-mail
Designated Emergency Contact(s)	Position	Work Hours Phone Number(s)	After Hours Phone Number(s)	E-mail

Please note: This form replaces and supersedes any previous Animal Use Protocol forms.



Student(s)	Position	Department	Phone Number(s)	E-mail

Training and Qualifications of Principal Instructor (in respect to animal handling)
Training and Qualifications of Co-Instructor (in respect to animal handling)
Training and Qualifications of Technical/Animal Care Staff (in respect to animal handling)

2. COURSE INFORMATION

Course Number:	Course Title:
Proposed Start Date of Course/Lab:	Expected End Date of Course/Lab:
Which department is this Animal Use Protocol affiliated with?	
Title of teaching laboratory exercise	

Please note: This form replaces and supersedes any previous Animal Use Protocol forms.

Does this application replace an existing Animal Use Protocol?

Check off box:

No

Yes

List previous AUP #: _____

Please specify what type of Animal Use Protocol

Check off box:

*Teaching

Breeding

Holding

Other

* Teaching Animal Use Protocols must be reviewed for Pedagogical Merit

3. LAY SUMMARY / PUBLIC RELATIONS

This information may be released to the media. The ACC may need to release this information to public relations in order to provide information to the public about animal use at GPRC.

In lay terminology, please provide a brief description including the procedure and animal model to be used, which may convey, in simple terms, the nature of the procedures conducted on the animals. The first 40 words will be submitted to the CCAC in the AUDF report.

List keywords relevant to your laboratory exercise.

4. ANIMAL DATA

Identify the number and species of animals used in this laboratory exercise				
Species	Quantity	Gender	Housing Area	Procedure Room

Justify the proposed numbers of animals by explaining why these numbers are needed. Explain how the total number of animals to be used was determined (e.g. 2 animals x 5 labs)

NOTE: Refer to GPRC ACC Terms of Reference 5. General 2. Process for Protocol Review e) Amendments to a Protocol for information regarding the process to make amendments to a Animal Use Protocol and animal number increase or decrease.

5. ANIMAL MODEL / ALTERNATIVES

Provide a description of all the refinements to be employed to protect and enhance animal’s health and welfare.

Has there been considerations of replacement and reduction alternatives?

6. PROCEDURES AND DRUGS / CHEMICALS / BIOLOGICS / ANALGESIC / ANESTHETIC

PROCEDURES INCLUDING INJECTION OF DRUGS, CHEMICALS, PHARMACEUTICALS AND BIOLOGICS.	DRUGS/CHEMICALS/BIOLOGICALS/ANALGESIC / ANAESTHETIC				
	Drug	Dosage	Route	Frequency	Duration
1.					
2.					
3.					
4.					

Identify any pain or distress likely to be associated with the procedure or manipulations. If animals encounter unanticipated pain and/or distress what process will be taken?

Please provide justification if anaesthesia or analgesia will not be used.

Indicate any other procedures that may be performed.

List all SOPs (including SOP name and SOP number), laboratory handouts, and additional training used in this laboratory exercise or project.

Indicate the category of invasiveness which best describes the protocol:

- B - Procedures which cause little or no discomfort or stress
- C - Procedures which cause minor stress or pain of short duration
- D - Procedures which cause moderate to severe distress or discomfort
- E - Procedures which cause severe pain near, at, or above the pain tolerance threshold or un-anesthetized conscious animal

Describe the purpose of animal use (PAU).

Check off one (1) item below that best describes the Purpose of Animal Use

- PAU 1 - Studies of a fundamental nature in science relating to essential structure or function
- PAU 2 - Studies for medical purposes, including veterinary medicine, that relate to human or animal diseases or disorders
- PAU 3 – Studies for regulatory testing of product for the protection of humans, animals, animals or the environment
- PAU 4 – Studies for the development of products or appliances for human or veterinary medicine
- PAU 5 – Education and training of individuals in post-secondary institutions or facilities

7. ANIMAL CARE

<p>a) List ALL the individuals who will carry out the above procedures and who will handle animals (students, staff). Provide their technical qualifications and relevant experience in performing these procedures.</p>		
NAME	PROCEDURE(S) TO BE PERFORMED	QUALIFICATIONS / EXPERIENCE WITH THESE PROCEDURES
<p>Specify the frequency of observations and methods for monitoring the condition of the animals. Refer to the listed procedures, e.g. anaesthesia & surgery, as well as the daily routine observations planned.</p>		
<p>Specify persons(s) who will be responsible for animal monitoring and post-operative care.</p>		
NAME(S)		

8. SOURCE

<p>Source of Animals</p> <p><input type="checkbox"/> Client Owned <input type="checkbox"/> Client Donated <input type="checkbox"/> Bred <input type="checkbox"/> Rescue Facility** <input type="checkbox"/> Purchased** <input type="checkbox"/> Other**</p> <p>** Please specify detail below in table provided</p>				
Species	Source/Supplier	Address/Location	Phone Number	Mode of Transportation

9. END POINTS & FATE OF THE ANIMALS

<p>Indicate any clinical conditions or abnormalities <i>expected or that could arise</i> as a result of the laboratory exercise or research project.</p>	
<p>Endpoint to remove or terminate a laboratory exercise.</p>	
<p>Indicate the fate of the animals following this laboratory exercise:</p>	
<p>Release back to owner:</p>	
<p>Sold To:</p>	
<p>Donated to:</p>	
<p>Humanely euthanized: (specify method) If a physical method of euthanasia is to be used, i.e. cervical dislocation, justify its use.</p>	
<p>Other – specify:</p>	

10. HAZARD AGENTS AND MATERIALS

Hazard Agents and Materials - Please list potential Hazards to Animals and Humans		
Biological	[] Yes [] No	List:
Chemical	[] Yes [] No	List:
Carcinogen	[] Yes [] No	List:
Drug	[] Yes [] No	List:
Ionizing radiation	[] Yes [] No	List:
Non-ionizing radiation	[] Yes [] No	List:
Other (i.e. allergen)	[] Yes [] No	List:
If yes, please provide approval information:		

Declaration	
<p>This information in this application is exact and complete. I assure that all care and use of animals in this proposal will be in accordance with the guidelines and policies of the Canadian Council on Animal Care and those of Grande Prairie Regional College. I shall request the Animal Care Committee's approval prior to any deviations from this protocol as approved. I understand that this approval is valid for one year and must be approved on an annual basis.</p> <p>AUP form completed by: _____</p>	
Signature of Principal Instructor	Date Signed

FOR ANIMAL CARE COMMITTEE USE ONLY	
<p>This AUP Form has been reviewed by the GPRC Animal Care Committee (ACC), and is approved based on the information provided.</p>	
Signature of GPRC Animal Care Committee Chair	Date Signed

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Appendix 1

Instructor Form for Review of Pedagogical Merit

In accordance with new CCAC guidelines, all animal-based teaching or training courses must have a formal pedagogical merit review to determine if animal-based methods are essential to meeting learning objectives and outcomes. Your request for an animal-based training course at Grande Prairie Regional College will undergo an internal/external review to determine its pedagogical merit regarding its use of animals. Please complete the following questions on this form.

COURSE NAME AND NUMBER:	STUDENT LEARNING LEVEL:
INSTRUCTOR/STUDENT RATIO	LIVE ANIMAL/STUDENT RATIO

DESCRIBE THE LEARNING OUTCOMES
Clearly describe the learning activity and the involvement of live animals.
Specify how well the learned behaviour must be performed (accuracy, speed, quality)
Explain how the learning outcomes are realistic and achievable based on: <ul style="list-style-type: none"> ○ Composition (e.g. enrolled students / volunteers / non-credit participants) ○ Needs of the student group(s) (e.g. teaching / demonstration / essential task list) ○ Teaching activities (what, where) proposed

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Explain how the timing of the inclusion of animals in the teaching/training is suitable for the projected timing of the intended learning outcome(s). (In other words, is it necessary for these students at this time in their academic program be able to do the listed procedures?).
Clearly describe the benefits for involving live animals in this course, at this point in time in the academic curriculum, to future study or career paths.
Does this course serve as a prerequisite for further study? YES / NO (circle) If yes, prerequisite for what?
LEARNING ASSESSMENT METHODS
Describe how students will be evaluated on knowledge or skill acquisition involving live animals? Assessment methods could include essays, multiple choice questions, laboratory reports, performance of a task, etc.
CONSTRUCTIVE CURRICULUM ALIGNMENT PARADIGM
Learning outcomes must strongly align logically with learning assessment methods. Do both align with learning activities in support of the outcomes? (For examples, refer to CCAC information on <i>Pedagogical merit of live animal-based teaching and training - Frequently Asked Questions</i>)

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REPLACEMENT ALTERNATIVES
Show how you have made efforts to identify reasonable replacement alternatives. (Attach appropriate resource information that was consulted when researching replacement alternatives)
ADDITIONAL INFORMATION
Please provide additional information to support live animal use for this activity.

Applicant name:

Date:

Please forward this completed form to the Animal Care Committee Coordinator.