**Reviewer Form for Review of Pedagogical Merit for Animal-Based Teaching and Training Activities (Non-Expedited)**

A number of elements factor into deciding if animal-based teaching or training has pedagogical merit. For the purposes of the policy, the goal of this review is to determine if the live animal model proposed by the instructor is the best learning model in support of intended learning outcomes. In other words, is the involvement of live animals essential, or can replacement alternatives, either absolute (non-animal model such as a mannequin or computer model) or relative (such as eggs, cell cultures, tissues, or animals that current expert peer advice and interpretation of scientific evidence indicate have a significantly lower potential for pain perception, such as some invertebrates), be used.

Please answer the following questions and document your conclusion.

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| Course Number and Name: |  | | |
| Instructor(s): |  | | |
| **LEARNING OUTCOMES** | | | |
| **Are the learning outcomes:** | | | |
| **a. Specific:** are they clearly described and do they specify the involvement of animals? | | * YES * NO | If No, explain: |
| **b. Measurable:** do they specify how well the learned behaviour must be performed (accuracy, speed, quality)? | | * YES * NO * N/A | If No, explain: |
| **c. Attainable and Realistic:** are they realistically achievable, given the composition, learning level, and needs of the student group(s), and the teaching activities (what, where) proposed?  Are the animal/student ratio and instructor/student ratio appropriate to achieve the learning outcomes? | | * YES * NO * YES * NO | If No, explain: |

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| **d. Timely:** is the timing of the inclusion of animals in the teaching/training suitable for the projected timing of the intended learning outcome(s)? | * YES * NO | If No, explain: |
| Are there clear benefits to involving animals in this course, at this point in time in the academic curriculum, to future study or career paths? | * YES * NO | If No, explain: |
| Does this course serve as a prerequisite for further study? | * YES * NO |  |
| Are learning outcomes SMART? (See a, b, c and d above) | * YES * NO | If No, explain: |
| **LEARNING ASSESSMENT METHODS** | | |
| Are live animals involved in the assessment? | * YES * NO | If No, explain: |
| Are the learning assessment methods clear? | * YES * NO | If No, explain: |
| **LEARNING ACTIVITIES** | | |
| Are the learning activities clear? | * YES * NO | If No, explain: |
| **CONSTRUCTIVE CURRICULUM ALIGNMENT PARADIGM (see question 7 in *the CCAC frequently asked questions: Pedagogical merit of live animal-based teaching and training*)** | | |
| Do learning outcomes strongly align logically with learning assessment methods, and do both align with learning activities in support of the outcomes? | * YES * NO | If No, explain: |
| **REPLACEMENT ALTERNATIVES** | | |
| Has the instructor made reasonable efforts to identify replacement alternatives? | * YES * NO | If No, explain: |

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| Which resources were consulted? |  | |
| **BEST LEARNING MODEL AND REPLACEMENT ALTERNATIVES** | | |
| Based on SMART learning outcomes, constructive curriculum alignment, and the necessity for these students to achieve stated learning outcomes at this point in their teaching/training experience, is the live animal proposed in this course the best model in support of learning outcomes, or could equivalent absolute or relative replacement alternatives be used?   * BEST MODEL * ALTERNATIVE Explain choice: | | |
| **If a replacement alternative would be more appropriate, provide options below: Absolute** (e.g., computer simulation, model):  **Relative** (e.g., lower sentient live vertebrate or cephalopod, tissue, eggs, invertebrate): | | |
| **CONCLUSION** | | |
| With regard to meeting learning outcomes, the proposed live animal model is: | * ESSENTIAL (has pedagogical merit) * NOT ESSENTIAL (no pedagogical merit) | |

Reviewer name:

Date:

*Please forward this form to the senior administrator responsible for pedagogical merit review, who will forward it to the instructor and the animal care committee.*