



Animal Care Committee Guideline

Number: 19

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Use of Multimedia Presentations in Teaching Laboratories

Guideline

The University of Guelph Animal Care Committee (ACC) strongly recommends the use of multimedia as an adjunct or replacement to the use of live animals in teaching laboratories wherever possible. The ACC believes that instructors often have the opportunity to choose alternatives either as 'low tech' solutions or complex multimedia to achieve good instructional value without the use of animals.

Educational tools and approaches for multimedia use include:

1. In-class lecture or web-based courseware using text, figures, images, photos, graphics, slide shows, video clips, movies, television, audio clips
2. Video filming of instructor's own teaching lab to be used in successive courses
3. Computer laboratory with simulation models, 3-dimensional models, dummies
4. Interactive learning environment:
 - Virtual models while interacting with a haptic (touch feedback) device
 - Audience response systems (ARS) with wireless keypad technology to facilitate interactive learning
 - Student-directed case simulation studies and problem-based exercises
5. Web based tutorial resources

Expertise to assist in preparation of multimedia courses may be sought at:

1. College specific/Departmental
 - Ontario Veterinary College IT Services & CCS-Mgmt Team - contact Gayleen Gray, ggray@uoguelph.ca
 - College of Biological Science - contact Chayan Chowdhury, IT Systems Support Specialist, cchowdhu@uoguelph.ca
 - Ontario Agricultural College - see Teaching Support Services below
2. On-campus
 - TSS Teaching Support Services: Learning Technology and Courseware Innovation, <http://www.tss.uoguelph.ca/lhci/index.cfm>
 - Library services - OVC Learning Commons (veterinary science library) jbrett@uoguelph.ca
 - Animal Care Services, training@uoguelph.ca

3. Internet

- Search for keywords such as 'multimedia', 'simulations, 'veterinary'

4. Resources

- Journal of Veterinary Medical Education - <http://www.jvmeonline.org>
 - Martindale's The 'Virtual' Veterinary Center
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