

# Educational Training Materials & Courses

## **The Canadian Aquaculture Institute Continuing Education and Training in Aquaculture and Fish Health Publications & Videos**

<http://www.upei.ca/~cai/publications.html>

“The Canadian Aquaculture Institute has developed both manuals and videos on a variety of topics including recirculation systems, fish health, broodstock technologies and fish bath treatments.”

## **Care, Handling and Use of Aquatic Animals The Canadian Aquaculture Institute, a Division of AVC Inc.**

<http://www.upei.ca/fishcarecourse/>

“Fish and other aquatic animals have unique characteristics and needs, especially in closed environments. In recent years, fish have become increasingly important in research, teaching and testing. In the Canadian Council on Animal Care's (CCAC) Animal Use Survey (1999), fish accounted for approximately 23% of all research animals in Canada. .... personnel who carry out animal-based work will receive adequate training in the principles of laboratory animal science and the ethical issues involved in animal use. The Care, Handling and Use of Aquatic Animals program has been specifically tailored to meet NIAUT guidelines and to address the specific care and use issues associated with aquatic animals in laboratory settings.”

“The Care, Handling and Use of Aquatic Animals program is an intensive, broad-based program that is an ideal introductory or refresher course for individuals involved in aquatic animal research, teaching or testing.”

Topics: Regulation of Experimental Animal Use in Canada; Ethical Issues of Experimental Animal Use; The Three Rs (Replacement, Reduction, Refinement); Occupational Health and Safety

Fish as a Research Animal; Recognizing Pain, Distress and Stress in Fish; Aquatic Animal

Biology and Husbandry Considerations; Anesthesia and Euthanasia; Routine Techniques Using Aquatic Animals (Weighing and Measuring, Body Fluid Sampling, Tagging and Marking); Water Quality and Laboratory Holding Systems; Health and Disease of Aquatic Animals; Post Mortem Techniques

**The Experimental Fish: Institutional Aquatic Animal User Training**  
**The Canadian Aquaculture Institute Online**  
<http://www.upei.ca/cai/experimentalfish.htm>

“The Experimental Fish is an online WebCT training program for people who "use" fish in research, teaching and testing applications. The course syllabus closely follows the core topics outlined in the Canadian Council on Animal Care's *National Institutional Aquatic Animal User Training Program* with special reference to aquatic animals. This program reviews not only regulatory and ethical issues involved in experimental animal use but also the practical aspects of aquatic animal care. For institutions that are provide training programs for animal user staff, this course in combination with wet-lab demonstrations will provide a complete user training program.”

**“Coming Soon - U.S. Version of *The Experimental Fish***

This version will include modules on American animal welfare legislation and regulatory systems, IACUC roles and responsibilities, and other issues of specific concern pertaining to fish research in the United States. This program is planned for release in the Spring of 2003.”

## **Fish Welfare Officer Training Course (Quality & Welfare of Farmed Salmon & Trout)**

### **AWTraining**

<http://www.awtraining.com/tran/tranfs/fwo.html>

“This two day course will explain in detail those aspects of commercial fish production that directly affect welfare and subsequent carcass and meat quality. It is at present aimed at farmed salmon and trout, and relates to the physiological, biochemical, moral, ethical and legislative components of production, harvesting, transportation, off-loading and processing drawing on the latest research in this subject area. The first FWO Course is scheduled to launch on 29th/30th April 2003. Aspects which are particularly attractive to the industry are the emphasis given to the links between 'best practice' and flesh quality as well as the information on new and impending legislation. The course explains the detailed background science behind commercial production including veterinary, research, commercial and consumer perspectives, legislative requirements and practical detail accommodating the international nature of this rapidly growing industry. Video material illustrating good practice is incorporated using a customized computer-controlled, multimedia presentation package. Discussion groups form an important part of the course allowing delegates to apply the principles to their individual situations. Successful completion results in an AWTraining certificate of attendance.”

## **Norwegian Aquamedicine Education and Training**

<http://www.aquamedicine.no/>

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