Program Syllabus (Canadian Version)

Module 1: Regulation of Experimental Animal Care and Use
1.1. Overview of the Canadian Council on Animal Care
1.2. The Role of Animal Care Committees
1.3. Regulations and Legislation for Animal Welfare
1.4. Animal User Accountability
1.5. CCAC Categories of Invasiveness
1.6. Regulation of Experimental Animal Care and Use Quiz

Module 2: Ethical Issues of Experimental Animal Use
2.1. The Animal Welfare Movement
2.2. Scientific Integrity
2.3. Replacement, Reduction, and Refinement: The Three Rs
2.4. Contentious Issues of Experimental Animal Use
2.5. Ethical Issues of Experimental Animal Use Quiz

Module 3: Fish as Research Animals
3.1. Fish as Experimental Models
3.2. Responsibility of the Investigator
3.3. Role of the Animal Care Technician / Veterinarian in Research
3.4. Environmental Enrichment for Aquatic Animals
3.5. Humane Endpoints
3.6. Fish as a Research Animal Quiz

Online Aquatic
Animal User Training

The Experimental Fish

Module 4: Aquatic Animal Facilities
4.1. Aquatic Animal Holding Facilities
4.2. Facility Operation and Maintenance Issues
4.3. Standard Operating Procedures
4.4. Disinfection Protocols
4.5. Aquatic Animal Facilities Quiz

Module 5: Aquatic Animal Care
5.1. Water Quality Parameters Required for Life Support
5.2. Other Water Quality Parameters
5.3. Fish Feeding and Nutrition
5.4. Animal Records and Monitoring
5.5. Aquatic Animal Transport and Acclimation
5.6. Aquatic Animal Handling and Restraint
5.7. Aquatic Animal Care Quiz

Module 6: Fish Disease, Anesthesia, and Euthanasia
6.1. Fish Disease
6.2. Anesthesia
6.3. Euthanasia
6.4. Additional Resources on Fish Care and Use
6.5. Fish Disease, Anesthesia, and Euthanasia Quiz

Module 7: Occupational Health and Safety in Aquatic Animal Facilities
7.1. Physical Hazards
7.2. Chemical Hazards
7.3. Biological Hazards
7.4. Occupational Health & Safety Quiz

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