



To advance the health and welfare of aquatic animals in aquariums and zoos globally

e-QUARIST COURSE

**WELCOME TO A NEW
ERA OF LEARNING
FOR AQUARISTS!**



E-quarist course™

- 13 Modules (see over page for details)
- Regular e-mail support
- Flexibility to proceed at your own pace
- Examination and Certificate of Completion
- AZA Recognized Learning Partner

learningpartner

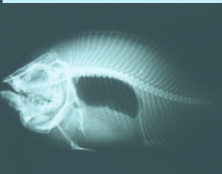
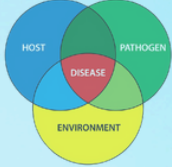
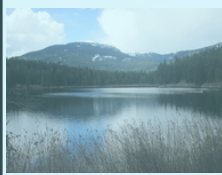






ASSOCIATION
OF ZOOS &
AQUARIUMS

Contact: exams@theaquariumvet.com for more information

www.theaquariumvet.com

THE AQUARIUM VET E-quarist Course TM

The first four modules are core modules and designed to be studied sequentially. The time involved in reading the course material and sitting the examination is between 15-20hours for each module, depending on prior knowledge and experience.

<p>Module 1: FISH ANATOMY AND PHYSIOLOGY - Examines teleost anatomy in its wide forms as well as practical physiology. To understand how fish survive in an aquatic environment it is critical to maintaining their health and wellbeing. Normal anatomy is critical for diagnostics and post-mortems (module 2). Fish welfare and safe handling.</p>		<p>Module 2: DISEASE CONCEPTS AND DIAGNOSTICS - What factors trigger disease; stress; and the immune system. Steps to making a diagnosis. Sample collection and examination such as gill biopsies. Sedation/anaesthesia of fish. Euthanasia. Post-mortem techniques.</p>			
<p>Module 3: WATER CHEMISTRY & QUALITY- Covers what it is and why it is key to successful fish keeping. All water quality parameters (both freshwater and marine) as well as water testing. Record keeping in all aspects of aquarium husbandry and fish transport.</p>		<p>Module 4: 1.LIFE SUPPORT SYSTEMS - Is the foundation for excellent water quality. The various types of filtration available, biofiltration, ozone, and UV and their uses. Practical hydrology – pump selection etc.</p>			
<p>Module 5: DISEASES AND TREATMENTS - Examines the various groups of diseases – protozoans, bacteria, fungus, virus etc. After making a diagnosis, how do you successfully treat the problem using a holistic approach? Non-infectious diseases.</p>		<p>Module 6: NUTRITION AND REPRODUCTION - Explains the components of nutrition, protein, carbohydrates, fats, vitamin, and minerals. Types of foods, including live foods and their production. Reproduction and basic genetics.</p>			
<p>Module 7: ELASMOBRANCHS - Anatomy and physiology as they differ from teleosts, handling, sample techniques, disease and treatments. Shark transport, exhibit design for shark and reproduction including artificial techniques.</p>		<p>Module 8: INVERTEBRATES I: CEPHALOPODS AND CRUSTACEANS Anatomy and physiology, husbandry, and breeding, diagnostics, disease and treatments.</p>			
<p>Module 9: INVERTEBRATES II: SEA JELLIES AND ECHINODERMS Anatomy and physiology, husbandry, and breeding, diagnostics, disease and treatments.</p>		<p>Module 10: INVERTEBRATES III: CORALS Anatomy and physiology, husbandry, and breeding, diagnostics, disease and treatments.</p>			
<p>MODULE 21: PENGUINS I - Applicable for all aquatic birds. Taxonomy of the various penguin species. Anatomy and Physiology of penguins. Display design for aquatic birds. Water quality and life support systems.</p>		<p>MODULE 22: PENGUINS II - Husbandry and care. Including biosecurity and transport. Behaviour, welfare and enrichment, nutrition, reproduction.</p>		<p>MODULE 23: PENGUINS III Diagnostic Procedures in penguins, their Immune System and then Diseases and Treatments.</p>	

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2025 Multi-Student Annual Plans (MSAP)

To simplify the education and training of your aquarists, The Aquarium Vet has created MSAPs.

Plan Details (US Dollars)

Annual subscription fee based on the number of students studying the course.

Number of Students	MSAP Cost per student
1-5 Students	\$430.00
6-10 Students	\$380.00
11-15 Students	\$355.00
16-20 Students	\$345.00
21-30 Students	\$330.00
More than 31	\$305.00

Conditions of MSAP:

- Maximum of four modules per student per year
- All students must be from the same facility or company
- If a student leaves the facility, a replacement student can be registered within the timeframe of the Annual MSAP.



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Testimonials

1. I gained a better understanding on how important life support systems operate, and the impacts it has on fish health. – **Yvonne Chia, Resorts World Sentosa Aquarium Singapore**

2. The Aquarium Vet's E-quarist Course has been of great benefit to members of the Zoological Teams at Georgia Aquarium. The Course's thorough and detailed course curriculum and 'learn as you go' approach to online training has helped new aquarists and technicians gain broad insight into the principles of aquariology and related topics. Focused modules allow the student to learn the basics and subsequently dive deeper into more sophisticated aspects of the material. E-quarist courses serve as another tool by which to train new members with the latest new information. – **Chris CoCo, Senior Director, Georgia Aquarium (USA)**

3. I love this course, even though I have been working in the industry for many years I always learn something new and I find it a good test of my knowledge base. I can improve my aquarium by applying little tweaks here and there and assist with the development of the team. **Kate Willson, former Displays Manager, Sea Life Sunshine Coast (Australia)**

4. I gained a better understanding of every aspect of LSS and some valuable calculations that are needed when it comes to LSS design and construction. I have done similar courses in the past ... however, this has been such a step up and has really increased my knowledge in all areas. – **Phil Robinson, The Deep Aquarium (United Kingdom)**

5. Not only did the E-quarist course set a great baseline for the type of information that we expect all of our aquarists to have, but it also sparked an increased desire in many of our staff to investigate topics further on their own and find ways to improve the care of our collections. The course exceeded all of our expectations, and we could not have asked for a better return on our investment. – **Allen McDowell, Director of Husbandry & Operations, North Carolina Aquarium on Roanoke Island (USA)**

6. Overall, the e-quarist course is very well balanced, practically and scientifically, and not only suits the needs of professional aquarium staff like myself, but also those with a keen interest. **Brendon Kelly, SEA LIFE Sydney Aquarium (Australia)**

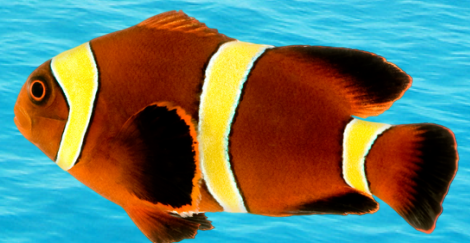
7. The nutrition module was excellent. It was very clear and very interesting/useful – **Tasha K. Esaki, Tennessee Aquarium (USA)**

8. The module helped me understand and appreciate details of shark physiology and husbandry I was previously not aware of - especially nutrition. Can definitely help in planning our shark feeding and care. **Geddes Hislop, Cayman Turtle Centre: Island Wildlife Encounter (Cayman Islands)**

9. I got a much more detailed understanding of fish anatomy which

10. I think will help me understand fish health better. Also, I will have a better point of reference when observing or performing necropsies. The information was laid out well and I walked away feeling like I learned a great deal. Thank you. – **Katherine, Virginia Aquarium (USA)**

11. Overall, I see this course as being a great benefit to my career. **Lauren Larese, Bass Pro Shops at the Pyramid (USA)**



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