

Module 3

Animal Health management and biosecurity, welfare, nutrition, and reproduction	Nr. hours per topic
1.Fish welfare (on farm, transport, stunning and slaughter)	7
2.Disease prevention, biosecurity, therapeutics in aquaculture	8
3.Microbiological and chemical contamination and toxins in Aquaculture	8
4.1. Advances in fish nutrition and reproduction]4
4.2. Advances in shellfish nutrition and reproduction	
5.Feeding strategies: Frequency and duration of feeding, ration and consumption calculation, loss control, Conversion Factor Optimization, new feeding techniques.	4
6.Production of New Species and domestication issues	4
7.Omics technologies in aquaculture: Genomics, transcriptomics, proteomics to explore function, mechanisms, interactions between genes, transcripts, proteins, lipids, and other biomolecules.	3
VR Welfare	2
	40