



Structure of the AQUATECHInn 4.0 Training Programme

MODULE III

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