

COLLEGE OF FISHERIES, KISHANGANJ

BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA

Lecture Plan

Course code: AAH-508

Course Title: Non-Infectious Diseases and Disorders of Finfish and Shellfish

Credit hrs: 2 (1+1)

Program: M.F.Sc.

Assigned Teacher: Mr. Pankaj Kumar

Theory	
Topics	No. of Classes
1. Importance of water and sediment quality: Impact of water and sediment parameters on finfish and shellfish health	3
2. Nutritional imbalance: Studies on the causes, Pathogenesis, Pathology, Diagnosis and differential diagnosis of various diseases due to nutritional imbalance and anorexia	3
3. Vitamin deficiencies and mineral deficiencies and their toxicity.	2
4. Disorders: Metabolic disorders; Skeletal deformities; White faecal syndrome (WHS) in nshrimp.	3
5. Impact of toxicants on fish health: Algal blooms, Important mycotoxins.	2
6. Ichthyotoxins, Chemical toxins, and Other toxicants and their effects on fish health.	3
Total Number of classes	16
Practical	
1. Case study; Study of gross changes in different tissues inflicted due to various nutritional deficiency.	3
2. Study of histopathological changes in different tissues inflicted due to various nutritional deficiency	6
3. Study of histopathological changes in different tissues inflicted due to various toxicants	6
Total Number of classes	15



**Course Instructor
Mr. Pankaj Kumar**