

Lecture schedule

S. No.	Topic	No. of classes
Theory		
1.	Food and feeding habits of different types of finfish	03
2.	Food and feeding habits of different types of shellfishes	01
3.	Morphological and anatomical adaptation for feeding	02
4.	Feeding behaviour-Ontogenic changes in food and feeding	01
5.	Food digestion - Energetics- Food partitioning	01
6.	Larval feed – Gut development	01
7.	Food web	01
8.	food web in nearshore reef, Seagrass and unvegetated ecosystems	03
9.	Biomarkers - Stable isotopes and fatty acids markers	01
10.	Prey density - Predator density - Prey predatory interaction forage theory	01
11.	Species succession	01
12.	Food availability - Fishing effect on prey and predator	02
13.	Concept of trophodynamics	01
14.	Methods in food and feeding analysis	03
15.	Diet analysis - Diet breath - Diet overlapping indices	01
16.	Energy flow and trophic indices and modelling	01
17.	Calculation of trophic level	02
18.	Trophodynamic indicators	01
19.	Ecopath with Ecosim model	03
20.	SEAPODYM model	02
Practical		
1.	Morphological and anatomical adaptations in finfishes with different feeding habits	02
2.	Morphological and anatomical adaptations in shellfishes with different feeding habits	02
3.	Analysis of gut contents	03
4.	Study of Gastro somatic Index	01
5.	Use of indices in feeding, digestion and food consumption rates of fishes	02
6.	Calculation of trophic levels- Mean trophic level	02
7.	Comparison of mean trophic level between gears-season-space	01
8.	Analysis of diet breath and diet overlap	01
9.	Case study	02
Total no. of classes		48

**(Dr. Rupam Samanta)****Course Teacher**