A.S. D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

2023-2024

Aquaculture Technology Courses offered

Semester	Course Title	Course Type (T/P/L)
II	Taxonomy and Functional Anatomy of Fin Fish and Shellfish	T
	Taxonomy and Functional Anatomy of Fin Fish and Shellfish	L
III	Fish Nutrition & Feed Technology	T
	Fish Nutrition & Feed Technology - III Lab	L
IV	Freshwater & Brackish water Aquaculture	T
	Freshwater & Brackish water Aquaculture Practical - IV	L
	Fish Health Management & Fisheries Economics	T
	Fish Health Management & Fisheries Economics Practical – V	L
V	Soil and Water Quality Management	T
	Soil and Water Quality Management Lab	L
	Ornamental Fish Culture	T
	Ornamental Fish Culture Lab	L

Course Outcomes

AQUACULTURE TECHNOLOGY SEMESTER- II (2023-2024)

Course No: 3 Taxonomy and Functional Anatomy of Fin Fish and Shellfish (Minor 1)

Course Outcomes

CO1 Acquire knowledge on the Classification of major groups of Finfish and Shell fish
CO2 Understand the general characters of Finfish and Shell fish
CO3 Understand and analyze the structure and functions of Digestive system
CO4 Understand the difference between the brain of fish and prawn
CO5 Compare and contrast the functional anatomy of fish and prawn

AQUACULTURE TECHNOLOGY

SEMESTER: III PAPER-III (2023-2024)

FISH NUTRITION & FEED TECHNOLOGY

Course Outcomes: By the completion of the course the graduate should able to–

CO1 Understand and analyze the nutritional requirements of cultivable fin fish and shell fish

CO2 Identify different types of feed in nature and compare different feeding methods of fish

CO3 Understand and analyze the techniques of fish feed manufacturing and storage methods

CO4 Understand the importance of different fish feed additives and non-nutrient ingredients.

CO5 Apply the knowledge of different nutritional deficiency symptoms of fish in culture practices.

AQUACULTURE TECHNOLOGY

SEMESTER-IV, PAPER-IV (2023-2024)

FRESHWATER **& BRACKISH WATER AQUACULTURE**

Course Outcomes: By the completion of the course the student should be able to –

CO1 Understand the scope of aquaculture and apply systems of aquaculture.

CO2 Understand the culture practices involved in carp culture

CO3 Differentiate the culture of cold water and air breathing fish

CO4 Understand and apply the culture practices of prawn

CO5 Understand and apply the culture practices of brackish water species.

AQUACULTURE TECHNOLOGY

SEMESTER-IV, PAPER-V (2023-2024)

FISH HEALTH MANGEMENT & FISHERIES ECONOMICS

Course Outcomes: By the completion of the course the student should be able to –

CO1 Identify different pathogens effecting the fin fish and give solutions to diseases

CO2 Solve problems related to the pathogens effecting the shell fish

CO3 Analyze the fish health management strategies

CO4 Understand the different fisheries economic policies

CO5 Communicate various schemes available for the welfare of fishermen community

AQUACULTURE TECHNOLOGY

SEMESTER: V PAPER-6A (2023-2024)

Course 6A: SOIL AND WATER QUALITY MANAGEMENT

Course outcomes

CO1 Understand and analyze various types of soil and their properties

CO2 Acquire the skills of assessment of parameters of water and analyze their importance in culture practices.

CO3 Apply different methods of soil and water amendments of aquaculture practices

CO4 Analyze recent trends in water quality management techniques.

CO5 Assess the different methods of pond treatments

AQUACULTURE TECHNOLOGY

SEMESTER: V PAPER-7A (2023-2024)

ORNAMENTAL FISH CULTURE

Course Outcomes:

Students after successful completion of the course will be able to:

CO1 Understand the importance of ornamental fishes in Global and Indian trading

CO2 Identify various commercially important freshwater and marine ornamental organisms

CO3 Acquire the skill of aquarium management

CO4 Apply the knowledge of breeding in ornamental fishes

CO5 Understand and apply the commercial production of aquarium fishes and plants.