A.S.D.Government Degree College for Women

An Autonomous Institution

Jagannaickpur, Kakinada, Andhra Pradesh-533002

Affiliated to Adikavi Nannaya University, Rajamahendravaram

2.6.1. The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution.

ACQUACULTURE TECHNOLOGY

COURSE OUTCOMES

(2018-23)

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

DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY COURSE OUTCOMES

(2018-2019)

COURSE OUTCOMES (CO)

SEMESTER-I

BASIC PRINCIPLES OF AQUACULTURE

CO1: Understand and analyze the different aquaculture systems

CO2: Understand the pond eco system and nutrient cycles.

CO3: Acquire the knowledge on functional classification of ponds.

CO4: Understand and analyze the lay out and construction of fish pond.

CO5: Acquire the knowledge on need of fertilizers and manures for pond and Physico-chemical conditions of pond

SEMESTER-II

BIOLOGY OF FIN FISH & SHELLFISH

CO1: Understand the general characters, classification and commercial importance of cultivable fin and shell fish.

CO2: Acquire the knowledge on feeding habits and factors effecting growth in fish

CO3: Understand the breeding in fin fish and shell fish.

CO4: Acquire the knowledge on parental care in fish and embryonic and larval development of fin fish and shell fish.

CO5: Understand the different endocrine hormones.

H. Suvarchala

PRINCIPAL
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AUTONOMOUS
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DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY COURSE OUTCOMES

(2019-2020)

COURSE OUTCOMES (CO)

SEMESTER-I

BASIC PRINCIPLES OF AQUACULTURE

CO1: Understand and analyze the different aquaculture systems

CO2: Understand the pond eco system and nutrient cycles.

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CO4: Acquire the knowledge on parental care in fish and embryonic and larval development of fin fish and shell fish.

CO5: Understand the different endocrine hormones and molting process.

SEMESTER-III

FISH NUTRITION AND 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.

SEMESTER-IV (Paper-IV)

FRESH WATER AND 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.

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DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY COURSE OUTCOMES

(2020-2021)

COURSE OUTCOMES (CO)

SEMESTER-I

BASIC PRINCIPLES OF AQUACULTURE

CO1: Understand and analyze the different aquaculture systems

CO2: Understand the pond eco system and nutrient cycles.

CO3: Acquire the knowledge on functional classification of ponds.

CO4: Understand and analyze the lay out and construction of fish pond.

CO5: Acquire the knowledge on need of fertilizers and manures for pond and Physico-chemical conditions of pond.

SEMESTER-II

BIOLOGY OF FIN FISH & SHELLFISH

CO1: Understand the general characters, classification and commercial importance of cultivable fin and shell fish.

CO2: Acquire the knowledge on feeding habits and factors effecting growth in fish

CO3: Understand the breeding in fin fish and shell fish.

CO4: Acquire the knowledge on parental care in fish and embryonic and larval development of fin fish and shell fish.

CO5: Understand the different endocrine hormones and molting process.

SEMESTER-III

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SEMESTER-IV (Paper-IV)

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

SEMESTER-V (Paper-V)

FISH HEALTH MANAGEMENT

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Understand and apply the fish pathology

CO2: Identify different pathogens affecting the fin fish and give solutions to diseases

CO3: Solve problems related to the pathogens affecting the shell fish

CO4: Differentiate between nutritional and environmental diseases

CO5: Analyze the fish health management strategies

SEMESTER-V (Paper-VI)

FISHERIES EXTENSION, ECONOMICS & MARKETING

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Identifies the importance of fisheries in Economics

CO2: Understands the marketing techniques of fish products

CO3: Analyze the socio-economic conditions of fisherman in their vicinity

CO4: understands the importance of fisheries extension methods in rural development

CO5: Understand and apply the new trends in aquaculture through aqua farmers

SEMESTER-VI (Paper- VII A ELECTIVE)

ORNAMENTAL FISHERY

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Understand the present status of the aquarium trade and different aquarium accessories.

CO2: Understand and apply the management of freshwater ornamental fishes.

CO3: Understand and analyze the management of marine ornamental fishes

CO4: understand and apply the aquarium management of aquarium.

CO5: Identify the commercial importance of aquarium fish and plants.

SEMESTER-VI

Cluster Elective Paper- VII-IA: FISH PROCESSING TECHNOLOGY

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Understand and apply the principles of fish preservation

CO2: Understand and apply the different methods of fish preservation.

CO3: Differentiate between traditional and advanced methods of preservation.

CO4: Understand and apply the standard procedures for packing and storage.

CO5: Analyze the prospects and constraints in exporting of fish products

SEMESTER-VI

Cluster Elective Paper-VII-IB: FISHERY MICROBIOLOGY AND FISHERY BY-PRODUCTS

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Understand the different types of microbes and their life cycles.

CO2: Understand different types of aquatic microflora and culture techniques.

CO3: Understand the microflora which can spoil the fish.

CO4: Understand and apply the information about fish By-products.

CO5: Understand the information of fish value added products.

SEMESTER-VI

Cluster Elective Paper-VII-IC: QUALITY CONTROL IN PROCESSING PLANTS

Course Outcomes:

On the completion of the course the student should be able to –

CO1: Understand the importance of quality management in processing plants

CO2: Analyze the different statistical methods of quality control

CO3: Understand the importance of certification of exporting the fish products

CO4: Understand and identify the infections and their identification techniques of fish

CO5: Understand the importance of quality control in processing plants

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DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY COURSE OUTCOMES

(2021-2022)

COURSE OUTCOMES (CO)

SEMESTER-I

BASIC PRINCIPLES OF AQUACULTURE

CO1: Understand and analyze the different aquaculture systems

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SEMESTER-II

BIOLOGY OF FIN FISH & SHELLFISH

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CO2: Acquire the knowledge on feeding habits and factors effecting growth in fish

CO3: Understand the breeding in fin fish and shell fish.

CO4: Acquire the knowledge on parental care in fish and embryonic and larval development of fin fish and shell fish.

CO5: Understand the different endocrine hormones and molting process.

SEMESTER-III

FISH NUTRITION AND 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

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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.

SEMESTER-IV (Paper-IV)

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Course Outcomes:

By the completion of the course the student should be able to –

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SEMESTER-IV (Paper-V)

FISH HEALTH MANAGEMENT AND FISHERIES ECONOMICS

Course Outcomes:

On the completion of the course the student should be able to –

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

CO2: Solve problems related to the pathogens affecting 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's community

SEMESTER-V (Paper-V)

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Principal

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DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY COURSE OUTCOMES

(2022-2023)

COURSE OUTCOMES (CO)

SEMESTER-I

BASIC PRINCIPLES OF AQUACULTURE

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SEMESTER-III

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SEMESTER-IV (Paper-IV)

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SEMESTER-IV (Paper-V)

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CO2: Solve problems related to the pathogens affecting 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's community

SEMESTER-V (Paper-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 to aquaculture practices

CO4: Analyze recent trends in water quality management techniques.

CO5: Assess the different methods of pond treatments.

SEMESTER-V (Paper-7A)

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.

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