

B.Sc. Honours in Aquaculture Management

PROGRAMME SPECIFIC OUTCOME

1	Distinguishing the aquatic animals with others on the basis of their taxonomy and gain knowledge about fish anatomy, biology, inland and marine capture fisheries.
2	understand the various types of aquaculture practices, ornamental fishery production and their management, fish genetics and their reproduction.
3	knowledge about statistics and economics which is related to the fish market, aquatic ecology and biodiversity, various types of pollution and their control. Details on micro-organisms and genes and various molecular technology.
4	Gain knowledge about fish nutrition and feed additives, preservatives and feed manufacturing and biochemistry.
5	A brief idea on different crafts and gears used in fisheries sector and fish by-products and preservation technology.
6	knowledge on fish diseases and their treatment and fish population dynamics and use of various drugs, antibiotics, vaccines and their role in fish health management.

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Course Code	Course Name	Course Outcome
ACMHCC01	Taxonomy, Anatomy & Biology of finfishes and shellfishes	Gain a knowledge how to Distinguish aquatic organisms from other species and study of internal and external anatomy of fish and their biology also.
ACMHCC02	Capture fisheries	Major frashwater and marine water fisheries zones and their fisheries of the world and India.
ACMHCC03	Aquaculture Practices	Knowledge about various types of fish culture parctices i.e. freshwater, marinewater, and culture practice of ornamental fishes and their importance and disease control method.
ACMHCC04	Genetics and Reproduction in fish	Knowledge about fish genetics, their reproduction system and fish breeding method and their management.
ACMHCC05	Fisheries statistics,economics and marketing management	Relation of statistics and economics in fisheries secotr and fish market strategies
ACMHCC06	Aquatic ecology,pollution and biodiversity	Aquatic ecosystem and biodiversity,various types of pollution and their control
ACMHCC07	Aquatic microbiology,fisheries biotechnology and bioinformatics	Knowledge about Various types of micro-organisms, biotechnology methods and their implementation in fisheries sector.
ACMHCC08	Fundamentals of biochemistry,fish nutrition and feed technology	Details knowledge about carbohydrate, protein, fat and their structure, enzymes,acids and Analysis of fish feed technology and their implementation in fisheries sector.
ACMHCC09	Fisheries extension,cooperative s and computer applications	Various types of fisheries extension program and role of basic computer application and cooperative in fisheries sector.
ACMHCC10	Marine fisheries,oceanograph y and coastal aquaculture	Overview on marine fisheries, oceanography and coastal aquaculture and their fisheries
ACMHCC11	Fishing crafts,gears and fishing technology	Knowledge about Various types of fishing crafts and gears and their utilization.
ACMHCC12	Post harvest technology,fish and aquaculture products and bi-products	Students are able to clear their doubt on how preserve fishes after harvest and how to make by-products from fish and their importance.

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ACMHCC13	Fish disease,immunity and health management	Knowledge about various types of Fish disease and their pathogens and their control.
ACMHCC14	Population dynamics and stock assessment and therapeutics in aquaculture	Use of drugs,vaccine,antibiotics in fisheries sector and learn about population history and stock assessment in aquaculture.
ACMHGE01	Fundamentals of Fisheries & Aquaculture	Overall concept on fisheries and aquaculture
ACMHGE02	Inland fisheries resources, fish breeding and seed production	Details on inland fisheries, fish ponds and their management and technique of induced breeding
ACMHGE03	Marine fisheries and oceanography	Knowledge about marine fisheries and various types of gear used in marine fisheries
ACMHGE04	Fish and Aquaculture products and by-products for health and nutrition	Various types of fish and aquaculture products and byproducts and role of HACCP in safe product production
ACMHSEC01	Ornamental fish production and aquarium management	Knowledge about ornamental fish culture method, their breeding technique and how to make an aquarium and their management. After learning this session students can start their own business.
ACMHSEC02	Fish breeding and hatchery management of carp/catfish/prawn	Students gain knowledge about fish breeding technology and their selection methods after breeding seeds are reared in hatchery and their management.
ACMHDSE01	Fisheries Biotechnology,Bioinformatics and Statistics	Gain a knowledge about statistics which is related to fish market and about gene, different technologies.
ACMHDSE02	Post harvest technology and quality assurance of fishery products	Students are able to learn about how to preserve a fish after harvest and how to control the product quality.
ACMHDSE03	Fisheries economics, policy and laws and entrepreneurship development	Knowledge about various types of laws generated by the government and other sector to conserve fishes and other aquatic organisms, their economic world and Government or private schemes that enhance the fishery sector.
ACMHDSE04	Traing and project work	Overall field knowledge regarding fish market.