

Basic Pisciculture



Course Offered by:
Department of Zoology

Pisciculture- Objective of the programme
Major objective is integrated fish culture. By imparting the knowledge of harvesting fish in managed farm, development of supplementary fish diets from wastes of agricultural farm and wastes of animals, stocking densities and stocking ratios. To provide the ideas and practical experience related to the fisheries and its management. To increase the number of professionally qualified fisheries managers through the provision of training course

About the course- This is the course of culturing of fish. It includes the habits and breeding of various species of fish. The farming and husbandry of important fish species. It is also agro-based cottage industry to fulfill the demand of edible fish. The technique involves creation of artificial tanks with optimum condition for growth and maintenance of fish population. Rearing of fish by providing nutrient and supplement. Maintenance of tank by removing dead fish and checking the quality of water to get maximum yield. The course provides technical proficiency in post-harvest management, primary processing of fish, quality control and marketing.

REGISTRATION FORM

Name:.....

Enrolment No.....

Program:.....

Sem. & Year.....

Contact No./Mobile:.....

E-mail:.....

Course Opted:.....

Course Code:.....

Signature with date:.....

Contact Person (Course Coordinator)

Dr. Anamika Singh
Head of the Department of Zoology
Keral Verma Faculty of Science
Swami Vivekanand Subharti
University (SVSU), Meerut (UP)
Mob. No. 9258750091

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Value Added course

Pisciculture (VAC-Z-002)

Unit 1

8 hours

- Introduction & history of fishery science - In India, Inland, marine, capture and culture fisheries. Indian fisheries, World fisheries.
- Cultivation of fish - Fresh water fish culture in India, culture of Indian major carps (Rohu, Catla & Mrigal) exotic carps (Common carp, Grass carp, Silver carp), Tilapia, Culture of air breathing fishes (Heteropneustis, Clarias, Channa & Anabas).
- Fish Breeding & Hatchery Technology - Induced Breeding, Types of Hatchery and their Operation.

Unit 2

8 hours

- Fish Pathology - Symptoms, Etiology, Prophylaxis and Treatment of common diseases of cultivable fishes.
- Fish Processing Technology: Methods of Preservation of fish (chilling, freezing, quick freezing, salting, drying, freeze-drying, smoking, canning), Rigor mortis in fish, fish spoilage - bacterial & chemical.
- Quality Assurance: Value Added Products (Fish Fingers, Fish Flakes, Soup, Powder), Byproducts (Fish Meal, Fish Oil, Surgical Sutures).

Unit 3

6 hours

- Fish Nutrition & Feed Technology: Feed formulation strategies & Methods, Types of feed & their ingredients, Formulation of feed for larvae, fry, fingerlings, adults & brood stock, formulation of nutritionally balanced & cost effective diets.
- Ornamental Fishes: Types of ornamental fishes, Aquarium manufacturing and their accessories.

Unit 4

4 hours

Fish Transport & Marketing - Handling & Transportation of Fresh Water Fish, Whole sale and Retail markets, Fishery cooperatives.

Unit 5

4 hours

Fishery Education & Management - Objectives & function of Central Institute of Fishery Education (CIFE), Central Inland Captured Fisheries Research Institute (CICFRI), Central Institute of Freshwater Aquaculture (CIFA), Central Marine Fisheries Research Institute (CMFRI), Fisheries legislation for resource management.


Registrar
Swami Vivekanand
Subharti University
MEERUT



Department of Zoology
KERAL VERMA SUBHARTI COLLEGE OF SCIENCE
SWAMI VIVEKANAND SUBHARTI UNIVERSITY
Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road,
Meerut -250005

Report on
Value Added Course 2016-2017

A value added course on "Basic Pisciculture" was conducted in Zoology department for Final year students, four hour per week. The course starts on 21-04-2017. The session was handled by Dr Dheer Pal Singh Zoology on the need for Basic Pisciculture. On that session students learnt how to do the Pisciculture of different fishes in the Zoology and how to arrange the pond and fishes with different diet of feed. Students felt that this value added session Basic Pisciculture was very much useful for them and they got the basic idea for Pisciculture and effective use of pond. It is planned to extend this value added training in the next semester with having more expert lecture on Basic Pisciculture used in zoology and fishes rearing in different environment.


HOD

(Department of Zoology)


Registrar
Swami Vivekanand
Subharti University
MEERUT


List of Students completed VAC

Name of Value-Added Course: **Pisciculture**

Course Code: **VAC-Z-002**

S. No.	Enrollment No.	Name of Students
1	1406010002226	ANITA KUMARI
2	1406010002230	NEHA
3	1406010002248	MUZAHIR ALI
4	1406010002486	AYUSHI SHARMA
5	1406010002721	KM. DEEPIKA MORAL
6	1406010002487	JATIN CHOUDHARY
7	1406010002485	KANISHKA ARORA
8	1406010002261	SAKSHI SHARMA
9	1406010002483	TANVI MUDGAL
10	1406010002484	TWINKLE GAUTAM
11	1406010002249	PRIYA GAUD
12	1406010002229	SHUBHAM SHARMA
13	1406010002251	PALLAVI SINGH
14	1406010002257	HUMERA NOOH
15	1406010002247	PRACHI
16	1506010001578	SHIVAM CHAUDHARY
17	1506010001579	SHIVANGI CHOUDHARY
18	1506010001580	SHIVANGI TOMAR
19	1506010001583	VAISHALI
20	1406010002721	DEEPIKA MORAL
21	1406010002723	SUNIL KUMAR
22	1406010002262	PRIYA KUMARI
23	1406010002489	BHAVESH SHARMA
24	1406010002480	RASHID ALI
25	1406010002481	SAKSHI BERA
26	1406010002490	MEGHA SHERAWAT
27	1406010002238	VIRAT LATIYAN
28	1406010002482	SAURABH CHAUHAN
29	1406010002246	VINIT KUMAR
30	1406010002261	SAPNA RANI
31	1506010001571	JAGVIR SINGH
32	1506010001572	KHUSHBOO
33	1506010001573	MANU TYAGI
34	1506010001575	NATASHA KASHYAP
35	1506010001576	NISHA RUHELA


Registrar
Swami Vivekanand
Subharti University
MEERUT


Dr. Anamika Singh
HOD, Zoology

Sample Certificate



**Swami Vivekanand Subharti University
Meerut
Keral Verma Faculty of science
Department of Chemistry**

Certificate of Value Added Course

This is to certify that Mr./Ms. **Rashid Ali** of Course B.Sc. CBZ has successfully completed his/her value added course entitled "Basic Pisciculture" during 03-05-2017 to 17-05-2017.

HOD

Course Co-ordinator