



Department of Zoology
Keral Verma Subharti College of Science
SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)
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Ref. No. KVSCOS/zoology/2018/001

Dated: 21/03/2018

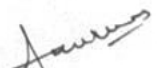
NOTICE

This is to inform to all the final year students of B.Sc. Hons. And CBZ that Department of Zoology is starting following Value added based on Zoological science related with skill development, entrepreneurship and employability.

1. Modern Sericulture
2. Modern Pisciculture
3. Basic Apiculture

Interested students can enroll themselves and may contact to following faculty members for enrolment in particular course. Course will be starts from 23-04-2018. For registration and further details please contact to HOD, Zoology.


Registrar
Swami Vivekanand
Subharti University
MEERUT


Dr. Anamika Singh
HOD, Zoology

VALUE ADDED COURSES AND THEIR OBJECTIVES
SESSION 2017-18



Courses Offered by :
Department of Zoology
Course Name-Pisciculture
Code- VAC-7-002



Pisciculture-Objective of the programme

Major objective is integrated fish culture . By imparting the knowledge of harvesting fish in manured 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 courses

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

E-mail id:
anamikaanu2011@rediffmail.com

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.



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Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road,
Meerut -250005

Report on
Value Added Course 2017-2018

A value added course on "Modern Pisciculture" was conducted in Zoology department for Final year students, four hour per week. The course starts on 23-04-2018. The session was handled by Dr Dheer Pal Singh of Zoology. By this value added course, 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 Modern 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 demonstration on Modern Pisciculture and fishes rearing in different environment.


HOD

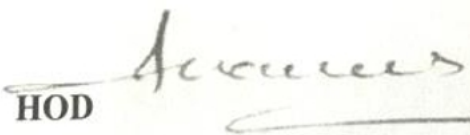
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List of Students attended value added course

Sl. No	Name of Students
1.	Akhil Vats
2.	Anushka
3.	Arjun Kumar
4.	Harshita Tyagi
5.	Shilpi Tyagi
6.	Sandhya Bhardwaj
7.	Bharat Titoria
8.	Vatika
9.	Mayank Sharma
10.	Ekta Chaudhary
11.	Jyoti
12.	Anu Fogat
13.	Rakhi Chaudhary
14.	Shilpa Rani
15.	Priya Sharma
16.	Manisha Sharma
17.	Shivani Chauhan
18.	Aanchal
19.	Vaseem Ahmad
20.	Anjum Khatun
21.	Kumari Pooja
22.	Nandini Parashar
23.	Preeti
24.	Prince Tomar
25.	Doli Sharma
26.	Shivam Sharma
27.	Vatika
28.	Vrishnika Yadav
29.	Abhishek Verma
30.	Arjun Kumar


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