



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/2019 /001.

Dated: 23/12/2019

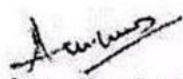
NOTICE

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

1. Sericulture & Its Technology
2. Pisciculture & Its Technology

Interested students can enroll themselves and may contact to Dr. Dheer Pal Singh (Assistant Professor) for enrolment in particular course. For any other information please contact the undersigned. The courses will be started from 02.01.2020.


Registrar
Swami Vivekanand
Subharti University
MEERUT


Dr. Anamika Singh
HOD, Zoology



Keral Verma Subharti College of Science

SWAMI VIVEKANAND SUBHARTI
UNIVERSITY

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

TIME TABLE: B.Sc. Zoology Hons. & CBZ (VIth Sem.)

Room. No.: Zoology Lab.1

Duration: 21.04.2019 to 02.05.2019

Value added course: Pisciculture & Its Technology

Time Days	10:00 – 11:00 AM	11:00 – 12:00 Noon	12:00 – 1:00 PM
Monday	Pisciculture (DPS)	Pisciculture (RS)	Pisciculture (RS)
Tuesday	Pisciculture(DPS)	Pisciculture (RS)	Pisciculture (RS)
Wednesday	Pisciculture(DPS)	Pisciculture(RS)	Pisciculture (RS)
Thursday	Pisciculture (DPS)	Pisciculture (RS)	Pisciculture (RS)
Friday	Pisciculture (DPS)	Pisciculture (RS)	Pisciculture (RS)
Saturday	Pisciculture (DPS)	Pisciculture (RS)	Pisciculture (RS)

S.No.	Paper Name	Paper Code	Faculty Name
1.	Pisciculture (UNIT I, II & III)	VAC-Z-001	Dr. Dheer Pal Singh
2.	Pisciculture (UNIT IV, II & V)	VAC-Z-001	Dr. Razia Sultana



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Value Added course

Pisciculture
(VAC-7-002)

Unit 1

8 hours

- a. Introduction & history of fishery science - In India, Inland, marine, capture and culture fisheries. Indian fisheries, World fisheries.
- b. 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).
- c. Fish Breeding & Hatchery Technology - Induced Breeding, Types of Hatchery and their Operation.

Unit 2

8 hours

- a. Fish Pathology - Symptoms, Etiology, Prophylaxis and Treatment of common diseases of cultivable fishes.
- b. 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.
- c. Quality Assurance: Value Added Products (Fish Fingers, Fish Flakes, Soup, Powder), Byproducts (Fish Meal, Fish Oil, Surgical Sutures).

Unit 3

6 hours

- a. 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.
- b. 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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Report on
Value Added Course 2019-2020

A value added course on "Pisciculture & Its Technology" was conducted in Zoology department for Final year students, four hour per week. The course starts on 02-01-2020. 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 and how to arrange the pond and fishes with different feed diet. Students felt that this value added session Pisciculture & Its Technology was very much useful for them and they got the basic idea for Pisciculture and effective use of pond with different fishes. It is planned to extend this value added training in the next semester with having more demonstration on Pisciculture & Its Technology and fishes rearing in different environment.

HOD *[Signature]*
(Department of Zoology)

[Signature]
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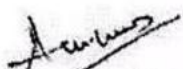
Participants of value Added course

Department of Zoology

Value Added Course
Pisciculture & Its Technology
Course Code: VAC-Z-002
Session: 2019-2020

List of Students

Diya Sharma
Vishal Rai
Mh. Tanveer
Akshay Sharma
Shika Thapliyal
Vishal Som
Akash Verma
Km Preeti Saini
Monika Tivari
Reetika Chaudhary
Sanjana Chaudhary
Shalu
Yashvi Chaudahry
Kanchan Pal
Km Minakshi Yadav
Vanshika Tyagi
Neha Pachauri
Aakhya Tyagi
Ankit Kumar
Apurva Pandey
Bindu Agarwal
Charu Shridhar
Fauzia Khan
Karnika Rajmurti
Km. Rasika
Manjeet


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