



**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: 15/03/2019

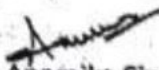
**NOTICE**

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. Silk Farming
2. Aqua Culture

Interested students can enroll themselves and may contact to following faculty members for enrolment in particular course. Course will be starts from 24-04-2019.

- |                                   |   |   |
|-----------------------------------|---|---|
| For the enrolment in Pisciculture | - | Dr. Dheer Pal Singh (Assistant Professor) |
| For the enrolment in Sericulture  | - | Dr. Razia Sultana (Assistant Professor)   |

  
Dr. Anamika Singh  
HOD, Zoology

  
Registrar  
Swami Vivekanand  
Subharti University  
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## Course Content

Value Added course  
Sericulture  
VAC-Z-001

30 hrs

<b>Unit 1: Introduction</b>	5
Sericulture: Definition, history and present status; Silk route Types of silkworms, Distribution and Races Exotic and indigenous races Mulberry and non-mulberry Sericulture	
<b>Unit 2: Biology of Silkworm</b>	4
Life cycle of <i>Bombyx mori</i> Structure of silk gland and secretion of silk	
<b>Unit 3: Rearing of Silkworms</b>	10
Selection of mulberry variety and establishment of mulberry garden Rearing house and rearing appliances Disinfectants: Formalin, bleaching powder, RKO Silkworm rearing technology: Early age and Late age rearing Types of mountages Spinning, harvesting and storage of cocoons	
<b>Unit 4: Pests and Diseases</b>	7
Pests of silkworm: Uzi fly, dermestid beetles and vertebrates Pathogenesis of silkworm diseases: Protozoan, viral, fungal and bacterial Control and prevention of pests and diseases	
<b>Unit 5: Entrepreneurship in Sericulture</b>	4
Prospectus of Sericulture in India: Sericulture industry in different states; employment, potential in mulberry and non-mulberry sericulture. Visit to various sericulture centres.	

### SUGGESTED READINGS

1. Handbook of Practical Sericulture: S.R. Ullal and M.N. Narasimhanna CSB, Bangalore
2. Appropriate Sericultural Techniques; Ed. M. S. Jolly, Director, CSR & TI, Mysore.
3. Handbook of Silkworm Rearing: Agriculture and Technical Manual-1, Fuzi Pub. Co. Ltd., Tokyo, Japan 1972.
4. Manual of Silkworm Egg Production; M. N. Narasimhanna, CSB, Bangalore 1988.

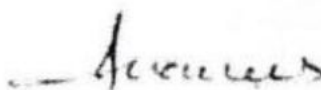
  
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Meerut -250005

**Report on**  
**Value Added Course 2018-2019**

A value added course on "Silk Farming" was conducted in Zoology department for Final year students, Four hours per week. The course starts on 24-04-2019. The session was handled by Drs. Anamika Singh, Dheer Pal Singh of Zoology. On that session, students learnt how to do sericulture properly and effectively and get good yield of silk. Students felt that this value added session on "Silk Farming" was very much informative and useful for them and they got the basic idea for developing their knowledge about how to do Sericulture effectively by choosing best species. It is planned to extend this value added training in the next semester with having more refined, advanced and practical knowledge about sericulture.

  
HOD

(Department of Zoology)

  
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Course Name - Silk Farming  
(VAC-Z-001)  
2018-2019

**List of Participants**

S. No.	Name of Student
1	Amit Kumar
2	Arti
3	Digvijay Shishodia
4	Km Shaily
5	Mohit Kumar
6	Nisha
7	Princy Meena
8	Shivi Tyagi
9	Vanshu Tyagi
10	Amisha Panwar
11	Dinpy Malhotra
12	Shagun Bhardwaj
13	Sonal Ghansal
14	Anika Singh
15	Rahul
16	Km Shalu
17	Umar Shaheerich
18	Ashesh Kumar
19	Bhura
20	Vishant Rana
21	Ankit Verma
22	Kapil
23	Km Soniya Joshi
24	Km. Lipika
25	Km. Shrivani
26	Rafiya Ali
27	Vijay Sharma
28	Money Dhankard
29	Neha Chaudhary
30	Nikhil Kumar

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