



**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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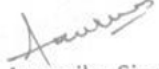
Dated: 21/03/2018

**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.

  
Dr. Anamika Singh  
HOD, Zoology

  
Registrar  
Swami Vivekanand  
Subharti University  
MEERUT

**VALUE ADDED COURSES AND THEIR OBJECTIVES**  
**SESSION 2017-18**



Courses Offered by :

Department of Zoology  
Course Name- Sericulture  
Code-VAC-Z-001

Sericulture

Objective of the programme  
Objective is rearing of silkworm and silk reeling . The techniques involve step by step production of silk thread.. To impart the knowledge of production of cocoons , reeling and spinning of cocoon to get the silk yarn. A thorough knowledge of disease and pest of mulberry plant , quality of seed cocoon , commercial cocoon and fibre to get the maximum return when actually practised

About the Courses:

Sericulture is silk farming for rearing of silkworms to produce raw silk . It is one of the most important agro and forest based cottage industry . The techniques involve the cultivation of plants like mulberry on which silkworm grows and raising of silkworm . It starts with the raising of silkworms and then processing the fibres they produce . The thread can be twisted into silk yarn or woven into silk cloth.

**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](mailto:anamikaanu2011@rediffmail.com)

Value Added course  
Sericulture  
VAC-Z-001

30 hrs

**Unit 1: Introduction**

5

Sericulture: Definition, history and present status; Silk route Types of silkworms, Distribution and Races Exotic and indigenous races Mulberry and non-mulberry Sericulture

**Unit 2: Biology of Silkworm**

4

Life cycle of *Bombyx mori* Structure of silk gland and secretion of silk

**Unit 3: Rearing of Silkworms**

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

**Unit 4: Pests and Diseases**

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

**Unit 5: Entrepreneurship in Sericulture**

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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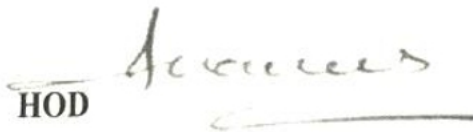




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Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road,  
Meerut -250005

**Report on**  
**Value Added Course 2017-2018**

A value added course on “Modern Sericulture” was conducted in Zoology department for Final year students, Four hours per week. The course starts on 23-04-2018. 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 “Modern Sericulture” 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)

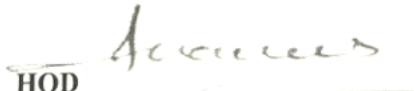
  
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**Students and Faculty after the Value-added course**

### List of Students attending Value added course

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

  
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