

# Sericulture & ITs Technology



## 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

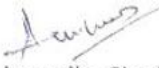
### NOTICE

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

<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.



# 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: Sericulture

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

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

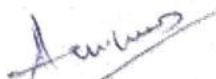
HOD Zoology

Dean KVSCOS

## Department of Zoology

Value Added Course  
Sericulture & Its Technology  
Course Code: VAC-Z-002  
Session: 2019-2020  
List of Students

Name 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

  
Dr. Anamika Singh  
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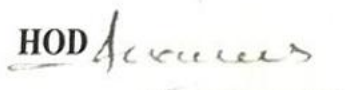
  
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**Report on**  
**Value Added Course 2019-2020**

A value added course on “Sericulture & Its Technology” was conducted in Zoology department for Final year students, Four hours per week. The course starts on 02-01-2020. 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 “Sericulture & Its Technology” 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)

  
Registrar  
Swami Vivekanand  
Subharti University  
MEERUT



Participants of during value added Course