

Basic Sericulture



Course Offered by :
Department of Zoology

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 Course :
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)
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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(I) of UGC Act 1956)
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Ref. No. KVSCOS/zoology/2017/001

Dated: 17/03/2017

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. Basic Sericulture
2. Basic Pisciculture

Interested students can enroll themselves and may contact to following faculty members for enrolment in particular course. Course will be starts from 21-04-2017. For registration and further details please contact to HOD, Zoology.


Dr. Anamika Singh
HOD, Zoology


Registrar
Swami Vivekanand
Subharti University
MEERUT

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 <i>Bombyx mori</i> 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

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Meerut -250005

Report on
Value Added Course 2016-2017

A value added course on “Basic Sericulture” was conducted in Zoology department for Final year students, Four hours per week. The course starts on 21-04-2017. The session was handled by Dr. Anamika Singh, Zoology on the need for Basic Sericulture. 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 “Basic 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)

Registrar
Swami Vivekanand
Subharti University
MEERUT



Students after attending Value added course with the Coordinator


Registrar
Swami Vivekanand
Subharti University
MEERUT

List of Students completed VAC

Name of Value-Added Course: **Sericulture**

Course Code: **VAC-Z-001**

S. No.	Enrollment No.	Name of Students
1	1406010002486	AYUSHI SHARMA
2	1406010002489	BHAVESH SHARMA
3	1406010002487	JATIN CHOUDHARY
4	1406010002485	KANISHKA ARORA
5	1406010002490	MEGHA SHERAWAT
6	1406010002480	RASHID ALI
7	1406010002481	SAKSHI BERA
8	1406010002483	TANVI MUDGAL
9	1406010002484	TWINKLE GAUTAM
10	1406010002482	SAURABH CHAUHAN
11	1406010002229	SHUBHAM SHARMA
12	1406010002251	PALLAVI SINGH
13	1406010002257	HUMERA NOOH
14	1406010002247	PRACHI
15	1406010002238	VIRAT LATIYAN
16	1406010002226	ANITA KUMARI
17	1406010002230	NEHA
18	1406010002244	VAKAR HUSAIN RIZAVI
19	1406010002721	DEEPIKA MORAL
20	1406010002723	SUNIL KUMAR
21	1406010002262	PRIYA KUMARI
22	1406010002261	SAKSHI SHARMA
23	1406010002249	PRIYA GAUD
24	1406010002248	MUZAHIR ALI
25	1406010002246	VINIT KUMAR
26	1406010002261	SAPNA RANI
27	1506010001578	SHIVAM CHAUDHARY
28	1506010001579	SHIVANGI CHOUDHARY
29	1506010001580	SHIVANGI TOMAR
30	1506010001583	VAISHALI


Dr. Anamika Singh
HOD, Zoology


Registrar
Swami Vivekanand
Subharti University
MEERUT



**Swami Vivekanand Subharti University
Meerut
Keral Verma Faculty of science
Department of Chemistry**

Certificate of Value Added Course

This is to certify that Mr./Ms. _____ of Course
B.Sc. CBZ has successfully completed his/her value added
course entitled "Basic Sericulture" during 21-04-2017 to 30-06-
2017.

HOD

Course Co-ordinator