



Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregaon

Department of Zoology

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Add on Certificate Course on Sericulture

Year 2021-22

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Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

NOTICE

2021-22

Date:- 01/12/2022

All the students of B. Sc. II & III are here by informed that Department has organized **"Add on Certificate Course on Sericulture"** from Monday **6th December 2021**. All students are informed that they should remain present for course on time. It may clearly noted that fine will be collected from absent students.


Incharge

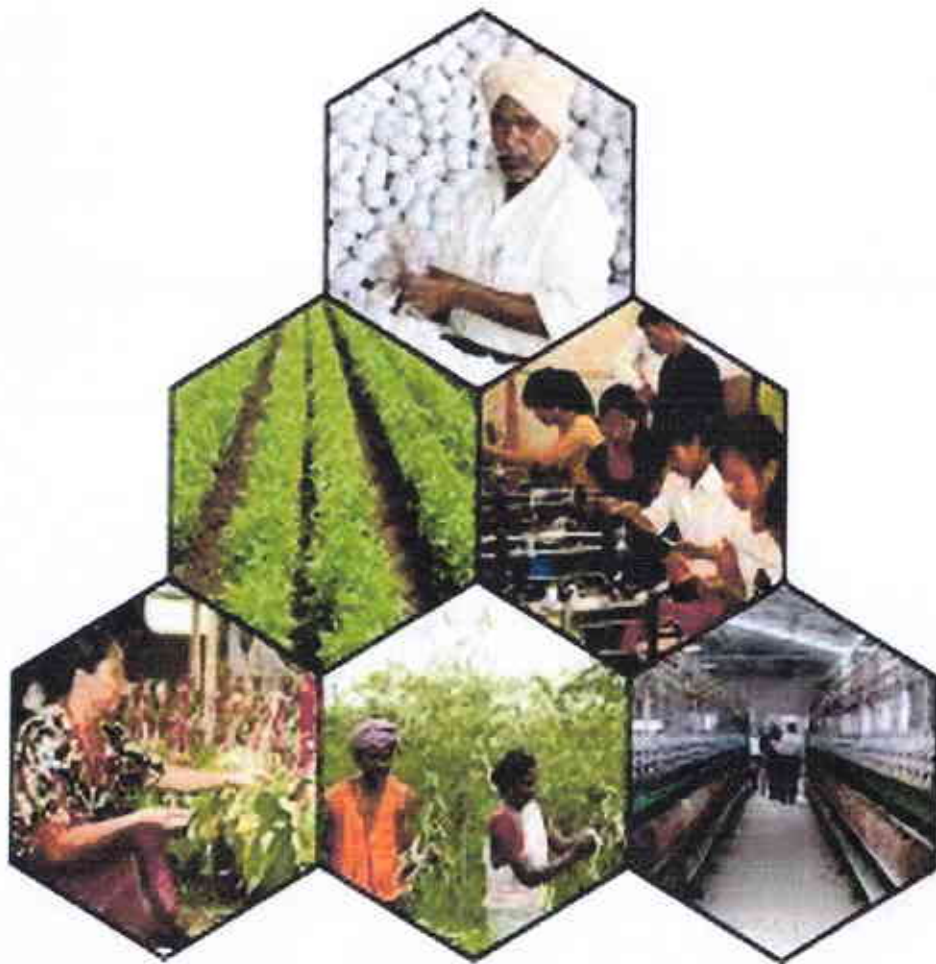

Head,

Department of Zoology

Add on Certificate Course

On

Sericulture





Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Add on Certificate Course

On

Sericulture

Organized by

Department of Zoology

Course Incharge

Mr. Jawale C. B.

Course Duration: 06 Dec. 2021–10 Jan. 2022

Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Syllabus

Title – Add on Certificate Course on Sericulture

Total Hrs- 30

B. Sc. II & III (Zoology)

Theory

Nutritional Planning

- Life cycle of Bombyx mori- Morphology of egg, larva, pupa and adult of Bombyx mori
- Morphology and anatomical structure of Silk gland
- Rearing house: Location, orientation, plan and utilities; model rearing house; low-cost rearing house
- Chawki rearing: Preparation; brushing and its methods; types of chawki rearing – traditional and improved method; optimum environmental conditions; methods and frequency of feeding; methods of bed cleaning; spacing; moulting and care during moult.
- Late age silkworm rearing: Methods; optimum environmental conditions; feeding quantity and frequency; methods of bed cleaning; spacing; moulting and care during moult.
- Brushing: Methods; chawki rearing; use of paraffin paper and blue polythene sheet. Bed cleaning: use of bed cleaning net and disposal of bed refuses and silkworm litter.
- Moulting: Identification of moulting larva, care during moulting; mounting and mounting density; harvesting of cocoons; assessment of cocoons; types of mountages; Maintenance of records for silkworm rearing.
- Introduction; classification of silkworm diseases.

Practicals

- Study of life cycle of Silkworm
- Choking of silkworm


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Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Year : 2021 - 22

Add on Certificate Course

on

Sericulture

Objectives

- On completing the Sericulture course, students will be able to understand overall aspects of Sericulture, namely, Mulberry and non-mulberry silkworms and their food plants, Rearing of the silkworm, Silkworm pathology, Process of silkworm seed production and silk technology.
- This course creates awareness among students about the economic importance and suitability of Sericulture in Indian conditions.
- Students will get hands-on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.
- Emphasizing self-employment and entrepreneurship among youths.

Learning Outcomes

- Understand concepts of sericulture industry and demonstrate interdisciplinary skills acquired in mulberry plant cultivation, silkworm rearing, diagnosis of diseases and pest of mulberry and silkworm and their prevention and its relevance in Seri-farmers livelihood.
- Demonstrating the Laboratory and field skills in mulberry cultivation and silkworm rearing with an emphasis on technological aspects.
- Competent to transfer the knowledge and technical skills to the Seri-farmers.
- Critically analyze the environmental issues and apply in management of mulberry garden and silkworm rearing at field.


In charge

Certificate Course


Head,

Department of Zoology



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Sericulture

Time Table - 2021-22

Theory & Practical

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30-10.15 Theory	CBJ	SPN	KJK	NAS	CBJ	NAS
08.30-10.30 Practical	CBJ	SPN	KJK	NAS	CBJ	NAS

CBJ – Mr. C. B. Jawale

SPN – Dr. S. P. Nalawade

KJK – Dr. K. J. Kamble

NAS – Ms. N. A. Shaikh

Head
Jawale
Head

Department of Zoology
D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Sericulture

Time Table- 2021-22

Theory & Practical

Date	Time	Theory / Practical	Name of the teacher
06/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
07/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
08/12/2021	10-15-11.15	Theory	Dr. K.J. Kamble
09/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
10/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
11/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
13/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
14/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
15/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
16/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
17/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
18/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
20/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
21/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
22/12/2021	9.30-10.15	Theory	Dr. K.J. Kamble
23/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
24/12/2021	08.30-10.30	Practical	Mr. C.B. Jawale
27/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
28/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
29/12/2021	9.30-10.15	Theory	Dr. K.J. Kamble
30/12/2021	08.30-10.30	Practical	Ms. N. A. Shaikh
31/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
01/01/2022	9.30-10.15	Theory	Ms. N. A. Shaikh
03/01/2022	9.30-10.15	Theory	Mr. C.B. Jawale
04/01/2022	9.30-10.15	Theory	Dr. S. P. Nalawade

05/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
06/01/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
07/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale
08/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
10/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale


Head
Department of Zoology
D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Student list 2021-22

Add on Certificate Course on Sericulture

Sr. No.	Roll No	Name of the Students
1	22653	Anbhule Bhakti Jagannath
2	22654	Barge Rutuja Vinod
3	22655	Barge Uddesh Pandurang
4	22656	Bhosale Akash Hanmant
5	22657	Bhosale Divya Datta
6	22658	Gade Divya Ramdas
7	22659	Ghadge Abhishek Himmat
8	22660	Kamble Kunal Navnath
9	22661	Londhe Nilam Subhash
10	22662	Oswal Neelkumar Rakesh
11	22512	Bali Shekhar Sanjay
12	22513	Bhosale Divya Baburao
13	22514	Gaikwad Shveta Chandrakant
14	22515	Ghadge Abhishek Suresh
15	22516	Ghadge Sanika Sanjay
16	22517	Ghadge Vaishnavi Bharat
17	22518	Ghorpade Riteek Krishnadev
18	22519	Ghorpade Vaishnavi Arjun
19	22520	Jadhav Vaishnavi Sunil
20	22521	Kadam Akanksha Mahesh
21	22522	Kondawale Dipali Shivaji
22	22523	Mahamuni Prabhanjay Nandkumar
23	22524	Nikam Ankita Ramesh
24	22525	Shedge Aruna Narayan
25	22526	Waghmare Sakshata Krishnat
26	22527	Yadav Mayavati Dattatray

Savale
Head

Department of Zoology
D. P. Bhosale College Koregaon

Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
22653	Anbhule B.J.	Anbh		A	Anbh	Anbh	Anbh	A	Anbh		Anbh																									
22654	Barge R. V.	Barge			Barge	Barge	Barge	Barge	Barge		Barge																									
22655	Barge U. P.	Barge		Barge	Barge	Barge	Barge	Barge	Barge		Barge																									
22656	Bhosale A. H.	Bhosale		Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale		Bhosale																									
22657	Bhosale D. D.	DDB		A	DDB	DDB	DDB	DDB	DDB		DDB																									
22658	Gade D. R.	Gade		Gade	Gade	Gade	Gade	Gade	Gade		Gade																									
22659	Ghadge A. H.	Ghadge		Ghadge	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge		Ghadge																									
22660	Kamble K. N.	Kamble		Kamble	Kamble	Kamble	Kamble	Kamble	Kamble		Kamble																									
22661	Londhe N. S.	Nandhe		Nandhe	Nandhe	Nandhe	Nandhe	Nandhe	Nandhe		Nandhe																									
22662	Oswal N. R.	A		A	A	A	A	A	A		A																									
22512	Bali S. S.	A		A	A	A	A	A	A		A																									
22513	Bhosale D. B.	A		A	A	A	A	A	A		A																									
22514	Gaikwad S. C.	GSC		GSC	GSC	GSC	GSC	GSC	GSC		GSC																									
22515	Ghadge A. S.	Ghadge		Ghadge	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge		Ghadge																									
22516	Ghadge S. S.	Ghadge		Ghadge	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge		Ghadge																									
22517	Ghadge V. B.	Ghadge		Ghadge	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge		Ghadge																									
22518	Ghorpade R. K.	Ghorpade		A	Ghorpade	Ghorpade	Ghorpade	Ghorpade	Ghorpade		Ghorpade																									
22519	Ghorpade V. A.	Ghorpade		Ghorpade	Ghorpade	Ghorpade	Ghorpade	Ghorpade	Ghorpade		Ghorpade																									
22520	Jadhav V. S.	JVS		JVS	JVS	JVS	JVS	JVS	JVS		JVS																									
22521	Kadam A. M.	A		Kadam	Kadam	Kadam	Kadam	Kadam	Kadam		Kadam																									
22522	Kondawale D. S.	A		KDS	KDS	KDS	KDS	KDS	KDS		KDS																									
22523	Mahamuni P. N.	MN		MN	MN	MN	MN	MN	MN		MN																									
22524	Nikam A. R.	ARN		ARN	ARN	ARN	ARN	ARN	ARN		ARN																									
22525	Shedje A. N.	Shedje		Shedje	Shedje	Shedje	Shedje	Shedje	Shedje		Shedje																									
22526	Waghmare S. K.	Waghmare		Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare		Waghmare																									
22527	Yadav M. D.	A		Yadav	Yadav	Yadav	Yadav	Yadav	Yadav		Yadav																									

(Signature)

Head
Department of Zoology
D. P. Bhosale College Koregaon

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Zoology

Question Paper

Add on Certificate Course on Sericulture

Marks : 30

Instructions

1. All the questions are compulsory
 2. Questions to the right Indicate full Marks
 3. Draw neat and Labelled diagrams wherever necessary
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Que. 1: Long questions (Any 2)

20

- a. Describe in details life cycle of Bombyx mori.
- b. Explain in brief Silkworm fungal diseases.
- c. Explain Chouki rearing

Que. 2: Write short notes on following (Any 2)

10

- a. Silk gland
- b. Types of moutages
- c. Molting in silkworm



Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Student list 2021-22

Add on Certificate Course on Sericulture

Marklist

Sr. No.	Roll No	Name of the Students	Que. 1 20	Que. 2 10	Total 30
1	22653	Anbhule Bhakti Jagannath	18	07	25
2	22654	Barge Rutuja Vinod	19	09	28
3	22655	Barge Uddesh Pandurang	17	06	23
4	22656	Bhosale Akash Hanmant	15	09	24
5	22657	Bhosale Divya Datta	17	08	25
6	22658	Gade Divya Ramdas	13	07	20
7	22659	Ghadge Abhishek Himmat	14	09	23
8	22660	Kamble Kunal Navnath	18	06	24
9	22661	Londhe Nilam Subhash	17	09	26
10	22662	Oswal Neelkumar Rakesh	15	09	24
11	22512	Bali Shekhar Sanjay	13	09	22
12	22513	Bhosale Divya Baburao	18	07	25
13	22514	Gaikwad Shveta Chandrakant	17	08	25
14	22515	Ghadge Abhishek Suresh	18	09	27
15	22516	Ghadge Sanika Sanjay	17	09	26
16	22517	Ghadge Vaishnavi Bharat	18	09	27
17	22518	Ghorpade Riteek Krishnadev	15	09	24
18	22519	Ghorpade Vaishnavi Arjun	18	07	25
19	22520	Jadhav Vaishnavi Sunil	16	09	25
20	22521	Kadam Akanksha Mahesh	12	09	21
21	22522	Kondawale Dipali Shivaji	18	09	27
22	22523	Mahamuni Prabhanjay Nandkumar	17	07	24
23	22524	Nikam Ankita Ramesh	17	09	26
24	22525	Shedge Aruna Narayan	19	09	28
25	22526	Waghmare Sakshata Krishnat	18	07	25

Shankar
Head

Department of Zoology
D. P. Bhosale College Koregaon



**Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregaon**

Department of Zoology

Report

Add on Certificate Course on Sericulture

As India is an agriculture-based country, there is a lot of scope in this industry. The latest advancement in technology has increased career opportunities both in private and public sectors. Sericulture provides a wide range of job prospects in academic fields, research centres, agricultural enterprises, and of course, sericulture units.

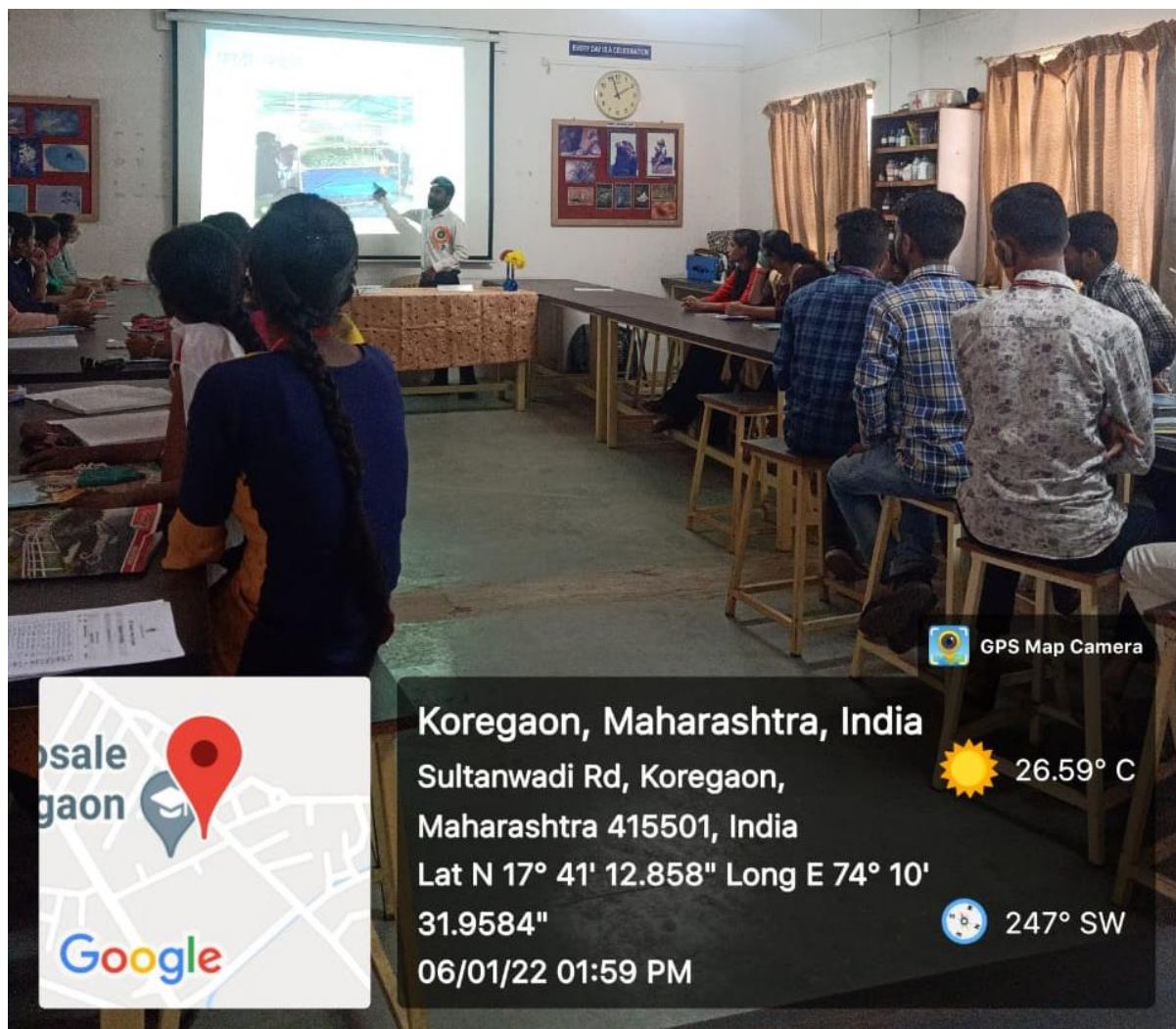
The main objectives of course are motivating the farmers to plant high yielding mulberry varieties to increase income and productivity. Imparting training in mulberry cultivation, silkworm rearing and silk reeling.

Assist in procurement of improved rearing equipment and construction of separate rearing house. Ensure supply of disease free silkworm seeds.




Guest Lecture delivered by Mr. V. S. Ghorpade

After completing this course students get knowledge about the commercial production of cocoons and understand the practices of silkworm culture and its management to produce quality cocoons.



This course was conducted during the 06th Dec. 2021 to 10th January 2022. Department of Zoology has offered this course for B.Sc. II and B.Sc. III students. For this course 25 students have been enrolled. During this period the lectures and practicals were conducted by resource faculties. In this period department has organised guest lecture of Mr. V.S. Ghorpade on Serifarming. Mr. C.B. Jawale, Dr. Mrs. S.P. Nalawade, Dr. Miss. K. J. Kamble and Miss N.A. Shaikh conducted the practicals and theory period.

The syllabus has also been framed in such a way that the basic skills of subject are taught to the students. Apply practical knowledge to become successful entrepreneur.


Head
Department of Zoology
D. P. Bhosale College Koregaon



"Education through Self-help is our Motto"- KARMAVEER
Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

District – Satara. (M.S.)
NAAC Reaccredited 'A' (with CGPA 3.12)

Add on Course

CERTIFICATE

This is to certify that **Mr. / Miss.** ----- **Class :** -----

has successfully completed “**Add on Certificate Course**” on -----

--- From ----- to ----- Organized by Department of Zoology, D. P. Bhosale College,
Koregaon, District- Satara, (M.S.).

Incharge

Head
Department of Zoology