

Date-

**TO,**  
Principle  
Arts, Science and Commerce College, Onde,  
Tal- Vikramgad Dist.-Palghar 401605

Name:- Mr. Vishal Soudagar Sutar

Subject -: Regarding Grant Permission for Certificate Course on Sericulture.

Respected Madam,

I am working as Assistant professor and head of the department in Zoology. I want Conduct Certificate Course on Sericulture. This course will be start from December 2021 to march 2022. This Certificate Course will be beneficial for our students they getting Knowledge about sericulture industry and start their own business and produce employment in sericulture industry. So, give me permission for Certificate Course on Sericulture.

Thank you

Yours faithfully

Mr. V.S. Sutar  
Coordinator  
Head, Department of Zoology



A PROPOSAL TO START

**Certificate Course in Sericulture**

Under Faculty of Science & Technology

AT

Department of zoology,  
Art's, Commerce and Science  
College Onda Tal- Vikramgad  
Dist.- Palghar 4016045

2021

## Syllabus Framework

1. **Title: Certificate Course in Sericulture**
2. **Faculty** of Science & Technology
3. **Year of Implementation:** 2021
4. **Basic information about sericulture:**

Sericulture industry is gives opportunities for high employment oriented, low capital intensive and remunerative nature of its production. This industry is based on rural area on-farm and off-farm activities and enormous employment generation potential has attracted the attention of the planners and policy makers to recognize the industry among one of the most appropriate avenues for socio-economic development of a largely agrarian economy like India. In India five major species mainly producing silks namely, mulberry, tropical tasar, oak tasar, eri and muga, etc.

As this course covers primary information of Sericulture, after successful completion of this course, a candidate can start his own Sericulture farm, i.e., growing mulberry plantation, rearing of silkworms, Preparation of silkworm seed, Reeling of cocoons etc. Presently, a sericulturist, who practices Sericulture with one-acre mulberry plantation and by rising silk cocoons is getting an income of Rs.3,00,000/- per year with a net profit of Rs.1,80,000/-. With this huge potential, this course would be able to deliver trained workforce, who will be able to motivate other youth in rural areas to take up this avocation. Ultimately, this will bring sustainable economy to our villages. With the changing climatic scenario, in the event of onset of draught conditions, mulberry plant can tolerate and able to yield the leaves required for Silkworm rearing. Moreover, the climate of Western Maharashtra is very congenial for Silkworm rearing. Mulberry leaf is having medicinal values and there are so many by-products that can be reaped from cocoons made by silkworms. The course is designed for the students and employees from Sericulture govt. depts. who will be exposed to comprehensive and rigorous training covering all primary aspects of Sericulture Science.

### **5. General Objectives of the Course:**

To develop highly qualified professional manpower in Silk and Sericulture sector. In Sericulture the basic requirement lies on systematic quality-based coaching and training in advanced Science and Technologies/innovations. Therefore, the course is designed to train and provide expert human resource to Silk industry and expected to bring direct benefits to Rural development and sericulture farming community.

#### **The course is based on following objectives:**

- I. To develop an expert manpower to handle the own sericulture units/ entrepreneurship/ Corporate sector units.
- II. To give scientific knowledge about mulberry cultivation, silkworm rearing techniques to the students.

III. To make the student aware about Soil to Silk concept, Sericulture extension and innovative technology /techniques etc.

IV. To train the students in compressive silk production techniques.

**6. Course Outcomes:**

- I. With the help this certificate course Lerner's get primary information about Sericulture
- II. Lerner's will be Understand mulberry cultivation, silkworm rearing technique
- III. Lerner's will be getting knowledge about different kind of diseases on mulberry plant and silkworm
- IV. Lerner's will be getting knowledge about production cocoon and production of silk
- V. Over all aim of this certificate course is Lerner will be starting self-funded business and getting income.

**7. No. Seats- 30**

**8. Duration of Course:**

The duration of the course is 30 hours and the lectures will be delivered once in a week on Saturday, two hours from 2 pm to 4 pm. These timings will be suitable for students. This Course conducted from December 2021 to March 2022.

**9. Teaching methodology:**

Classroom teaching, Presentation, and Practical demonstration

**10. Evaluation methodology:**

Examination- 30 marks

Assignment - 10 marks

Practical - 10 Marks

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**Total - 50 marks**

## 11. Nature of Question Paper and Scheme of Marking:

Certificate course in Sericulture Examination

Day and Date: Total Marks: 30

Time:

Instructions:

- 1) All questions are compulsory
- 2) Draw neat and labelled diagrams wherever necessary

Question 1. Multiple choice question (ten). 10

Question 2. Write short note on (any two). 10

- a)
- b)
- c)
- d)

Question 3. Describe in detail. (any one). 10

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**\* Practical identification (Five) 10 marks**

**\* Assignment 10 marks**

## **Syllabus of Certificate Course in Sericulture**

### **Unit- I**

#### **Food plants cultivation and management.**

- \* History and scope of Sericulture.
- \* Soil management and cultivation of mulberry.
- \* Moriculture.

### **Unit- II**

#### **Silkworm rearing, occupational health hazards in sericulture & management.**

- \* Pre-requisites for rearing.
- \* Egg handling, Incubation & Chawki rearing.
- \* Late age silkworm rearing.

### **Unit- III**

#### **Grainge/Reeling/ economics & value addition in sericulture.**

- \* Silkworm seed technology.
- \* Silk technology.
- \* Sericulture organization and economics.

### **Unit- IV**

#### **Silkworm, host plant pest & disease management.**

- \* Mulberry and Non-Mulberry food plants diseases and their management.
- \* Mulberry and Non-Mulberry host plant pests and their management.
- \* Mulberry and Non-Mulberry Silkworm diseases, Pests, and their management.

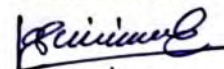
**Department of Zoology**  
**Enrolment for Certificate Course in Sericulture 2021-2022**

<b>Sr. No.</b>	<b>Student Name</b>	<b>M/F</b>	<b>Class</b>	<b>Mobile</b>
1	Atkari Asmita Ravindra	F	F.Y. B.Sc.	9607621707
2	Bagul Pranjal Laxmikant	F	F.Y. B.Sc.	9423090990
3	Baraf Rohit Nandkumar	M	F.Y. B.Sc.	8485884539
4	Baraf Sanjay Chandu	M	F.Y. B.Sc.	7378932463
5	Belkar Narendra Sitaram	M	F.Y. B.Sc.	9011109835
6	Bhadange Ritu Dinkar	F	F.Y. B.Sc.	8262892163
7	Dalvi Bhavana Suresh	F	F.Y. B.Sc.	9545182087
8	Dayat Ashwini Madhukar	F	F.Y. B.Sc.	9881042518
9	Gole Shubham Nakul	M	F.Y. B.Sc.	91122825129
10	Jadhav Shraddha Avikant	F	F.Y. B.Sc.	7387370474
11	Jadhav Tejaswi Dipak	F	F.Y. B.Sc.	8010665308
12	Joshi Nambrata Ramesh	F	F.Y. B.Sc.	7770095325
13	Kaalifa Sahina Siraj	F	F.Y. B.Sc.	7378426284
14	Patil Gauri Sudam	F	F.Y. B.Sc.	7798191421
15	Sambare Vaishnavi Pravin	F	F.Y. B.Sc.	7972641507
16	Sapata Nikhil Chandrakant	M	F.Y. B.Sc.	8262837705
17	Shaikh Muskan Akil	F	F.Y. B.Sc.	8767398046
18	Shanwar Bhupendra Vilas	M	F.Y. B.Sc.	9970243821
19	Tarvi Chetana Dinesh	F	F.Y. B.Sc.	8793825322
20	Sabale Akshay Rohidas	M	F.Y. B.Sc.	

**Department of Zoology**  
**Attendance for Certificate Course in Sericulture 2021-2022**

Sr. No.	Student Name	4/12	11/12	18/12	24/12	08/01	15/01	22/01	29/01
		2021	2021	2021	2021	2022	2022	2022	2022
1	Atkari Asmita Ravindra	P	A	P	P	P	P	A	P
2	Bagul Pranjal Laxmikant	P	A	P	A	P	A	P	P
3	Baraf Rohit Nandkumar	P	A	P	P	P	P	A	P
4	Baraf Sanjay Chandu	P	P	A	P	P	A	P	P
5	Belkar Narendra Sitaram	P	A	P	P	P	P	A	P
6	Bhadange Ritu Dinkar	P	P	P	A	P	P	P	P
7	Dalvi Bhavana Suresh	P	A	P	P	A	P	P	P
8	Dayat Ashwini Madhukar	P	P	P	A	P	P	A	P
9	Gole Shubham Nakul	P	A	P	P	P	A	P	P
10	Jadhav Shraddha Avikant	P	P	A	P	P	P	P	P
11	Jadhav Tejaswi Dipak	P	P	P	P	A	P	P	P
12	Joshi Nambrata Ramesh	P	P	P	A	P	P	A	P
13	Kaalifa Sahina Siraj	P	A	P	P	P	A	P	P
14	Patil Gauri Sudam	P	P	A	P	P	P	P	P
15	Sambare Vaishnavi Pravin	P	P	P	P	A	A	P	P
16	Sapata Nikhil Chandrakant	P	A	P	P	P	P	A	P
17	Shaikh Muskan Akil	A	P	P	P	P	A	P	P
18	Shanwar Bhupendra Vilas	P	P	A	P	A	P	P	P
19	Tarvi Chetana Dinesh	P	A	P	P	P	P	A	P
20	Sabale Akshay Rohidas	P	P	A	P	P	A	P	P
21	Bhoir Tanmay Ashok	A	P	P	P	A	P	P	A

Coordinator



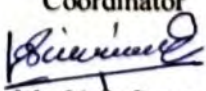
Mr. V. S. Sutar

Head & Assistant Professor  
Department of Zoology



**Department of Zoology**  
**Attendance for Certificate Course in Sericulture 2021-2022**

Sr. No.	Student Name	05/02 2022	12/02 2022	18/02 2022	26/02 2022	05/03 2022	12/03 2022	19/03 2022	26/03 2022
1	Atkari Asmita Ravindra	P	A	P	P	A	P	P	P
2	Bagul Pranjal Laxmikant	A	P	P	A	P	P	A	P
3	Baraf Rohit Nandkumar	P	A	P	P	P	A	P	P
4	Baraf Sanjay Chandu	P	P	A	P	P	A	P	P
5	Belkar Narendra Sitaram	P	A	P	P	P	P	A	P
6	Bhadange Ritu Dinkar	P	P	A	P	A	P	P	P
7	Dalvi Bhavana Suresh	A	P	P	P	P	A	P	P
8	Dayat Ashwini Madhukar	P	A	P	P	P	P	A	P
9	Gole Shubham Nakul	P	P	A	P	A	P	P	A
10	Jadhav Shraddha Avikant	A	P	P	P	P	P	A	P
11	Jadhav Tejaswi Dipak	P	A	P	P	P	A	P	P
12	Joshi Nambrata Ramesh	P	P	A	P	P	P	P	A
13	Kaalifa Sahina Siraj	A	P	P	P	A	P	P	P
14	Patil Gauri Sudam	P	A	P	P	P	P	A	P
15	Sambare Vaishnavi Pravin	P	P	P	A	P	A	P	P
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17	Shaikh Muskan Akil	P	P	P	P	A	P	P	A
18	Shanwar Bhupendra Vilas	P	A	P	P	P	A	P	P
19	Tarvi Chetana Dinesh	P	P	A	P	P	P	A	P
20	Sabale Akshay Rohidas	A	P	P	A	P	P	P	P
21	Bhoir Tanmay Ashok	P	A	P	P	A	P	P	P

Coordinator  
  
 Mr. V. S. Sutar  
 Head & Assistant Professor  
 Department of Zoology

# Arts, Commerce & Science College, Onde

Tal. Vikramgad, Dist. Palghar (MS)-401605

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## Department of Zoology



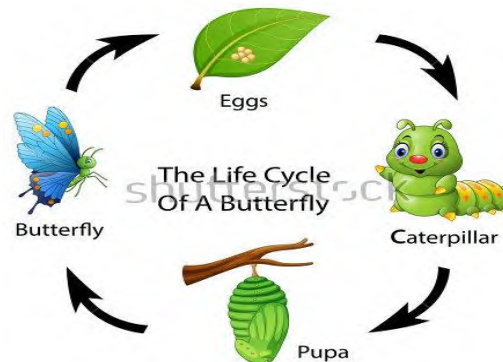
### Certificate

This is to certify that Mr./Miss. \_\_\_\_\_

of \_\_\_\_\_ has successfully completed the course entitled Sericulture

Conducted by the Department of Zoology in 20 - 20 , at Arts, Commerce and Science College, Onde.

Prof. V. S. Sutar  
Coordinator  
Head, department of Zoology



Dr. Y. K. Patil  
Principal