



# UNIVERSITY OF JAMMU

(NAAC ACCREDITED 'A ++' GRADE' UNIVERSITY)  
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Academic Section

Email: [academicsectionju14@gmail.com](mailto:academicsectionju14@gmail.com)

## **NOTIFICATION** **(25/June/Adp./13)**

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, is pleased to authorize the adoption of the syllabi and courses of studies for **Post Graduate Programme in Sericulture** under **NEP-2020** as per details given below:-

### **Two Year Post Graduate Programme under NEP-2020**

Subject	Semester	For the examinations to be held in the year
Sericulture	Semester-I	December 2025, 2026 and 2027
	Semester-II	May 2026, 2027 and 2028
	Semester-III	December 2026, 2027 and 2028
	Semester-IV	May 2027, 2028 and 2029

### **One Year Post Graduate Programme under NEP-2020**

Subject	Semester	For the examinations to be held in the year
Sericulture	Semester-I	December 2026, 2027 and 2028
	Semester-II	May 2027, 2028 and 2029

The Syllabi of the courses are also available on the University website:  
[www.jammuuniversity.ac.in](http://www.jammuuniversity.ac.in)

*Anjita Bhasin*  
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/25/3701-15

Dated: 24/6/25

Copy for information and necessary action to:

1. Dean, Faculty of Life Science
2. Convener, Board of Studies in **Sericulture**
3. Director, Centre for IT Enabled services and Management, University of Jammu for information and for uploading on University Website.
4. All members of the Board of Studies
5. Joint Registrar (Evaluation/P.G. Exam.)
6. Programmer, Computer Section, Examination Wing

*Sumit*  
20/6/25  
*BS*  
19/6  
*SM*  
19/06/25

**PG Syllabi 2025**

S.No.	Course No.	Course Title	No. of Credits	Course Type		Marks		Nature of Course			SWAYAM/ MOOC	Vocational Course	Research Project/ Summer Internship/ Dissertation
				Core/Elective /Any other	Credit Points	Theory	Practical	Global	National	Regional			
1	P2SETC101	Introduction to Sericulture	4	6.5	26	100	-	✓	✓	✓			
2	P2SETC102	Silkworm Rearing and Seed Technology	4	6.5	26	100	-	✓	✓	✓			
3	P2SETC103	Mulberry and Silkworm Biology	4	6.5	26	100	-	✓	✓	✓			
4	P2SEPC104	Practicals based on P2SETC101 & P2SETC102	4	6.5	26	-	100	✓	✓	✓			
5	P2SEPC105	Practicals based on P2SETC103	2	6.5	13	-	50	✓	✓	✓			
6	P2SETE110	Silkworm Physiology and Biochemistry	4	6.5	26	100	-	✓	✓	✓			
7	P2SETE111	Mulberry Production	4	6.5	26	100	-	✓	✓	✓			
8	P2SEPE112	Practicals based on P2SETE110	2	6.5	13	-	50	✓	✓	✓			
9	P2SEPE113	Practicals based on P2SETE111	2	6.5	13	-	50	✓	✓	✓			
10	P2SETC201	Molecular Genetics and Immunological Insights in Silkworm Biology	4	6.5	26	100	-	✓	✓	✓			
11	P2SETC202	Breeding & Genetics in Sericulture	4	6.5	26	100	-	✓	✓	✓			
12	P2SETC203	Integrated Health Management in Mulberry and Silkworm Crops	4	6.5	26	100	-	✓	✓	✓			
13	P2SEPC204	Practicals based on P2SETC201 & P2SETC202	4	6.5	26	-	100	✓	✓	✓			
14	P2SEPC205	Practicals based on P2SETC203	2	6.5	13	-	50	✓	✓	✓			
15	P2SETE210	Genetics and Techniques in Biochemistry	4	6.5	26	100	-	✓	✓	✓			
16	P2SETE211	Applied Insect Science	4	6.5	26	100	-	✓	✓	✓			
17	P2SEPE212	Practicals based on P2SETE210	2	6.5	13	-	50	✓	✓	✓			
18	P2SEPE213	Practicals based on P2SETE211	2	6.5	13	-	50	✓	✓	✓			
19	P2SEVC251	Silkworm Rearing and Cocoon Production	-	-	-	-	-	✓	✓	✓		✓	
20	P2SEVC252	Mulberry Cultivation and Farm Management	-	-	-	-	-	✓	✓	✓		✓	
21	P2SEVC253	Silk Reeling and Post Cocoon Technology	-	-	-	-	-	✓	✓	✓		✓	
22	P2SETC301	Silk Technology	4	6.5	26	100	-	✓	✓	✓			
23	P2SETC302	Seri-business Entrepreneurship	4	6.5	26	100	-	✓	✓	✓			
24	P2SETC303	Bioinformatics and Biostatistics	4	6.5	26	100	-	✓	✓	✓			
25	P2SETC304	Mulberry Breeding and Cytogenetics	4	6.5	26	100	-	✓	✓	✓			
26	P2SETC305	Mulberry Physiology	4	6.5	26	100	-	✓	✓	✓			
27	P2SEPC306	Practicals based on P2SETC301 & P2SETC302	4	6.5	26	-	100	✓	✓	✓			
28	P2SEPC307	Practicals based on P2SETC304 & P2SETC305	4	6.5	26	-	100	✓	✓	✓			
29	P2SEM0351	MOOC/SWAYAM	4	6.5	26	100	-	✓	✓	✓			
30	P2SETC401	Extension Strategies in Sericulture and Non-Mulberry Silk Production	4	6.5	26	100	-	✓	✓	✓			
31	P2SETC402	Recent Developments in Seri-biotechnology	4	6.5	26	100	-	✓	✓	✓			
32	P2SEPC403	Practicals based on P2SETC401	2	6.5	13	-	50	✓	✓	✓			
33	P2SEPC404	Practicals based on P2SETC402	2	6.5	13	-	50	✓	✓	✓			
34	P2SER425	Field Visit / Industrial Training	2	6.5	13	-	-	✓	✓	✓			
35	P2SERC426	Research Project / Dissertation	16	6.5	104	400	-	✓	✓	✓			✓

**SE STRUCTURE FOR PG PROGRAMME SERICULTURE (2 YEAR) (ANNEXURE-1A)**

**CREDIT FRAMEWORK FOR SEMESTER-I**

Course	Course Code	Course Name	Credits
<b>Major Core</b> [12(T) + 6(P)]			
	P2SETC101	Introduction to Sericulture	4
	P2SETC102	Silkworm Rearing and Seed Technology	4
	P2SETC103	Mulberry and Silkworm Biology	4
	P2SEPC104	Practicals based on P2SETC101 & P2SETC102	2+2
	P2SEPC105	Practicals based on P2SETC103	2
<b>Total Core Credits</b>			<b>18</b>
<b>Major Elective</b> (Any One) [4(T) + 2(P)]*			
	P2SETE110	Silkworm Physiology and Biochemistry	4
	P2SETE111	Mulberry Production	4
	P2SEPE112	Practicals based on P2SETE110	2
	P2SEPE113	Practicals based on P2SETE111	2
<b>Total Elective Credits</b>			<b>6</b>
<b>Semester Credit Total</b>			<b>24</b>

**CREDIT FRAMEWORK FOR SEMESTER-II**

Course	Course Code	Course Name	Credits
<b>Major Core</b> [12(T) + 6(P)]			
	P2SETC201	Molecular Genetics and Immunological Insights in Silkworm Biology	4
	P2SETC202	Breeding & Genetics in Sericulture	4
	P2SETC203	Integrated Health Management in Mulberry and Silkworm Crops	4
	P2SEPC204	Practicals based on P2SETC201 & P2SETC202	2+2
	P2SEPC205	Practicals based on P2SETC203	2
<b>Total Core Credits</b>			<b>18</b>
<b>Major Elective</b> (Any One) [4(T) + 2(P)]*			
	P2SETE210	Genetics and Techniques in Biochemistry	4
	P2SETE211	Applied Insect Science	4
	P2SEPE212	Practicals based on P2SETE210	2
	P2SEPE213	Practicals based on P2SETE211	2
<b>Total Elective Credits</b>			<b>6</b>
<b>Vocational Course (Any One) – Exit Option*</b>			
	P2SEVC251	Silkworm Rearing and Cocoon Production	4
	P2SEVC252	Mulberry Cultivation and Farm Management	4
	P2SEVC253	Silk Reeling and Post Cocoon Technology	4
<b>Semester Credit Total</b>			<b>24</b>

### CREDIT FRAMEWORK FOR SEMESTER-III

Course	Course Code	Course Name	Credits
<b>Major Core [20(T) + 8(P)]</b>			
	P2SETC301	Silk Technology	4
	P2SETC302	Seri-business Entrepreneurship	4
	P2SETC303	Bioinformatics and Biostatistics	4
	P2SETC304	Mulberry Breeding and Cytogenetics	4
	P2SETC305	Mulberry Physiology	4
	P2SEPC306	Practicals based on P2SETC301 & P2SETC302	2+2
	P2SEPC307	Practicals based on P2SETC304 & P2SETC305	2+2
<b>Total Core Credits</b>			<b>28</b>
	P2SEMO351	MOOC/SWAYAM	4
<b>Semester Credit Total</b>			<b>28</b>

### CREDIT FRAMEWORK FOR SEMESTER-IV

Course	Course Code	Course Name	Credits
<b>Major Core [8(T) + 4(P)]</b>			
	P2SETC401	Extension Strategies in Sericulture and Non-Mulberry Silk Production	4
	P2SETC402	Recent Developments in Seri-biotechnology	4
	P2SEPC403	Practicals based on P2SETC401	2
	P2SEPC404	Practicals based on P2SETC402	2
	P2SERC425	Field Visit / Industrial Training	2
	P2SERC426	Research Project / Dissertation	16
<b>Semester Credit Total</b>			<b>30</b>

OVERALL CREDITS: 106

