

**Choice Based Credit System (CBCS)**

**SYLLABUS FOR TWO YEARS MASTER'S  
PROGRAMME IN SERICULTURE**

**(Effective from 2021-22 sessions)**

**MURSHIDABAD UNIVERSITY**

**Berhampore, Murshidabad, West Bengal-742101**

## CONTENT

Sl. No.	Topic	Details
1	ORIENTATION OF COURSES	Semester-wise distribution of syllabus in M.Sc. in Sericulture
2	Detailed Syllabus	
2.1	Core Courses	1 <sup>st</sup> Semester - 20 credits (4 credits X 4 Theory papers + 2 credits x 2 Practical papers) 2 <sup>nd</sup> Semester - 20 credits (4 credits X 4 Theory papers + 2 credits x 2 Practical papers) 3 <sup>rd</sup> Semester - 12 credits (4 credits X 3 papers) 4 <sup>th</sup> Semester - 04 credits (4 credits X 1 papers)
2.2	Discipline Specific Elective Courses (D.S.E.C.)	DSEC will be offered by the Department of Sericulture for Sericulture students which will be included in 4 <sup>th</sup> Semester ---- 16 credits (4 credits X 4 papers) <ul style="list-style-type: none"> <li>• Mulberry Production</li> <li>• Cocoon Production</li> <li>• Silk Production</li> <li>• Extension and Management</li> </ul>
2.3	Choice Based Credit System (C.B.C.S.)	C.B.C.S.- A will be offered by the Departments of Sericulture for Students of Other Department, "General Sericulture" (C.B.C.S. - A) included in 3 <sup>rd</sup> Semester...04 credits  C.B.C.S.-B will be offered by the Department of Sericulture for Students of Department of Sericulture "Applied Sericulture" (C.B.C.S.- B) included in 3 <sup>rd</sup> Semester...04 credits

**CBCS SYLLABUS OF MASTERS IN SERICULTURE (2021) UNDER MURSHIDABAD UNIVERSITY**

**ORIENTATION OF COURSES**

<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>MARKS</b>	<b>CONTACT HOURS</b>	<b>CREDIT</b>
<b>FIRST SEMESTER</b>				
PG-SERI-CC-101	Biology of Mulberry, Soil Science and Crop Production	50		4
PG-SERI-CC-102	Silkworm Physiology, Rearing Technology and Cocoon Production	50		4
PG-SERI-CC-103	Mulberry and Silkworm Crop Protection	50		4
PG-SERI-CC-104	Silk Production Technology and Textile Industry	50		4
PG-SERI-CC-105	Mulberry Crop Production and Cocoon Crop Production	25		2
PG-SERI-CC-106	Mulberry and Silkworm Crop Protection and Silk Production Technology	25		2
<b>GRAND TOTAL</b>		<b>200 (Theoretical) + 50 (Practical)= 250</b>		<b>20</b>
<b>SECOND SEMESTER</b>				
PG-SERI-CC-201	Seed Organisation, Silkworm Seed Production and Management and Laboratory tools and techniques	50		4
PG-SERI-CC-202	Genetics and Breeding of Mulberry and Silkworm	50		4
PG-SERI-CC-203	Vanya Silk (Non-Mulberry)	50		4
PG-SERI-CC-204	Immunology, Bio-chemistry, Molecular Biology, Seri-biotechnology	50		4
PG-SERI-CC-205	Silkworm Seed Production, Genetics and Breeding of Mulberry and Silkworm	25		2
PG-SERI-CC-206	Non-Mulberry Sericulture, Molecular Biology, Immunology, Biochemistry and Seri Biotechnology	25		2
<b>GRAND TOTAL</b>		<b>200(Theoretical) + 50 (Practical) =250</b>		<b>20</b>

<b>THIRD SEMESTER</b>				
PG-SERI-CC-301	Ecology, Conservation, Biodiversity of Sericigenous fauna and Applied Entomology	50		4
PG-SERI-CC-302	Basic Computer Application, Biostatistics and Research Techniques	50		4
PG-SERI-CBCS-A	Choice Based Credit System (C.B.C.S-A) – “Sericulture Practices in India” will be offered by the Departments of Sericulture for Students of Other Departments. Students of Department of Sericulture will opt for C.B.C.S.-A course offered by other Department.	50		4
PG-SERI-DSEC-303	Discipline Specific Elective Course (Theory) Students will opt DSEC offered by Department of Sericulture	50		4
PG-SERI-CC-304	Ecology, Conservation, Biodiversity of Sericulture fauna and Applied Entomology Basic Computer Application, Biostatistics and Research Techniques	25		2
PG-SERI-DSEC-305	Discipline Specific Elective Course (Practical) Students will opt DSEC offered by Department of Sericulture	25		2
	Allotment of Dissertation Topic (To be contd. In Sem IV)			
<b>GRAND TOTAL</b>		<b>200(Theoretical) + 50 (Practical) = 250</b>		<b>20</b>
<b>FOURTH SEMESTER</b>				
PG-SERI-CC-401	Extension, Economics, Sociology and Rural Development, Entrepreneurship Development	50		4
PG-SERI-CBCS-B	Choice Based Credit System (C.B.C.S-B) – “Agricultural Entomology”- CBCS Sericulture students will opt course offered by parent Department.	50		4
PG-SERI-DSEC-402	Discipline Specific Elective Course (Theory)* Students will opt DSEC offered by Department of Sericulture	50		4

PG-SERI-CC-403	Sericulture Extension and Economics Seminar/Project on EDP/Management	25		2
PG-SERI-DSEC-404	Discipline Specific Elective Course (Practical) Students will opt DSEC offered by Department of Sericulture	25		2
Dissertation	Dissertation submission, Seminar Presentation (Dissertation Contd. From Sem III)	50		4
<b>GRAND TOTAL</b>		<b>150(Theoretical) + 50 (Practical) + 50 (Dissertation) = 250</b>		<b>20</b>
	<b>Post Graduation Grand Total Marks</b>	<b>1000</b>		<b>80</b>
List of Discipline Specific Elective Course (DSEC):				
<ul style="list-style-type: none"> <li>• Mulberry Production</li> <li>• Cocoon Production</li> <li>• Silk Production</li> <li>• Extension and Management</li> </ul>				